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MISSION, VISION, AND VALUES STATEMENT

The provisions of this catalog are not to be regarded as an irrevocable contract between the student and the University. West Chester University reserves the right to change any provisions or requirements at any time. An electronic version of this catalog is also available online at http://catalog.wcupa.edu.

Mission Statement
West Chester University is a community of educators that develops graduates to succeed personally and professionally and contribute to the common good.

WCU graduates will:
- Apply scientific reasoning and demonstrate quantitative and qualitative literacy
- Collaborate with others to solve problems and address societal needs
- Communicate effectively and participate in civic discourse
- Engage inclusively in a diverse society
- Understand the ethical implications of decisions and the world in which they live

Institutional Goals
To fulfill its Mission as a public institution serving the Commonwealth, West Chester University will focus on student success and institutional improvement as measured by the degree to which WCU demonstrates:
- Access to learning
- Community and cultural engagement
- Continuous improvement
- Critical thinking
- Inclusion
- Scholarly and creative activities
- Sustainability

Vision Statement
West Chester University will build on its standing as a national model for excellence for public regional comprehensive universities. The institution is especially noted for:
- Undergraduate programs that actively engage students in connecting the life of the mind to the world in which they live and work
- The responsiveness of its graduate and post-baccalaureate programs to regional needs
- Its focus on providing lifelong learning, technical, and applied skills essential to graduates' success now and in the future
- A commitment by faculty, staff, and administrators to provide access and to serve effectively the educational needs of a diverse student body
- Its role as a leading educational and cultural resource and partner in fostering the economic, social, and cultural vitality of southeastern Pennsylvania

Values Statement
West Chester University is committed to attracting, enrolling, and graduating quality students from a wide variety of educational, cultural, and economic backgrounds. This endeavor requires the University to attract and retain highly qualified faculty and staff and to provide each member of the University community with learning and leadership development opportunities. To this end, the University supports and encourages programs which benefit all people and which seek to eradicate discrimination and injustice. We treasure what we believe to be the highest principles of American society: the worth and uniqueness of each individual, the belief that success is to be earned by individual effort put forth in an environment founded on equality of opportunity, and the appreciation of the ideal of an inclusive society.

We believe that it is incumbent upon all members of our community — staff, students, faculty and administrators — to conduct themselves with civility toward one another at all times. We value the special talents and contributions of each member of our community. We further affirm the worth and dignity of each member and the shared responsibility of all to treat each other as individuals with respect and courtesy.

West Chester University's community strongly supports the principles of academic integrity and academic responsibility, viewing both as the province of every member of the campus community. We hold the highest esteem for teaching directed toward student learning and affirm that mastery of content as well as mastery of teaching skills necessary to communicate such content are paramount.

This values statement is intended to be a living document which will serve West Chester University as it changes and evolves in the coming years.

ABOUT THE UNIVERSITY

Introducing West Chester University
West Chester University, a member of the Pennsylvania State System of Higher Education, is a public, comprehensive institution committed to offering high-quality undergraduate education, selected post-baccalaureate and graduate programs, and a variety of educational and cultural resources for its students, alumni, and citizens of southeastern Pennsylvania.

The University offers more than 100 graduate and undergraduate programs in the sciences and mathematics, business and public management, arts and humanities, health sciences, education and social work, music, and interdisciplinary studies. See Programs at West Chester (p. 56) for a complete listing of degree programs. Undergraduates are encouraged to participate in experiential learning opportunities, which range from internships to collaborative research with faculty members. Several years ago, WCU launched a Summer Undergraduate Research Institute that offers even more undergraduates the chance to pursue significant research. Service learning is an integral component of many courses at West Chester and the cornerstone of the Honors College.

Currently, more than 17,000 undergraduate and graduate students are enrolled at West Chester University. WCU is one of the most sought-after universities in the mid-Atlantic region. We received more than 14,000 applications for the fall 2017 first-year class, which was comprised of 2,550 students. We are the largest state-owned university in the Commonwealth of Pennsylvania and the premier state institution in such key measures as retention and graduation rates. Our entering students come from the top third of their high school class, and their SAT scores significantly outpace the state and national averages.

West Chester University continues to expand its international learning experiences. Currently, WCU has partnerships with 25 colleague institutions worldwide for cultural, educational, and scholarly exchanges. More than 500 students took advantage of international learning experiences last year. These experiences included traditional study abroad programs, as well as participation in conferences, service learning, music performances, and more. An English-as-Second-Language program launched in 2016 and should help to further increase international enrollment on WCU’s campus.

Distance education — comprising both fully online and hybrid programs involving limited campus time — is helping WCU to meet enrollment demands. The University also offers a variety of programs at a Center City Philadelphia location, including an award-winning RN-to-BSN program in nursing, both a B.S.W. and M.S.W. in Social Work, an M.S. in Criminal Justice, and, starting in Fall 2018, a B.S. in Management.
History of the University

Although its founding year is 1871, the University can actually trace its roots to West Chester Academy, a private, state-aided school that existed from 1812 to 1869. The academy enjoyed strong support from the Chester County Cabinet of the Natural Sciences. It was recognized as one of Pennsylvania’s leading preparatory schools, and its experience in teacher training laid the groundwork for the normal school years that were to follow.

As the state began to take increasing responsibility for public education, the academy was transformed into West Chester Normal School, still privately owned but state certified. The Normal School admitted its first class, consisting of 160 students, on September 25, 1871. In 1913, West Chester became the first of the normal schools to be owned outright by the Commonwealth.

West Chester became West Chester State Teachers College in 1927 when Pennsylvania initiated a four-year program of teacher education. In 1960, as the Commonwealth paved the way for liberal arts programs in its college system, West Chester was renamed West Chester State College, and two years later introduced the liberal arts program that turned the one-time academy into a comprehensive college.

In recognition of the historic merit of the campus, the West Chester State College Quadrangle Historic District was placed on the National Register of Historic Places in 1981. The buildings included in this historic district are Philips Memorial Building, Ruby Jones Hall, Recitation Hall, and the Old Library. Except for Philips, these buildings are all constructed of native Chester County serpentine stone.

West Chester State achieved another major milestone with passage of the State System of Higher Education bill. West Chester became one of the 14 universities in the State System of Higher Education on July 1, 1983. Along with its new name - West Chester University of Pennsylvania of the State System of Higher Education - the institution acquired a new system of governance and the opportunity to expand its degree programs.

Location of the University

West Chester University is located in West Chester, Pennsylvania, a town that has been the seat of government in Chester County since 1786. Nestled in the heart of Pennsylvania’s Brandywine Valley, West Chester is a picturesque and historic community that offers small-town charm with cosmopolitan flair. The Philadelphia Inquirer called it "one of the world’s most perfect small towns."

West Chester was settled in the early 18th century, principally by members of the Society of Friends. In the heart of town is its courthouse, a classical Revival building designed in the 1840s by Thomas U. Walter, one of the architects for the Capitol in Washington, D.C.

Philadelphia is 25 miles to the east and Wilmington 17 miles to the south, putting the museums, libraries and other cultural and historical resources of both cities in easy reach. Valley Forge, the Brandywine Battlefield, Longwood Gardens and other world-class attractions are nearby. New York and Washington are easily accessible by car or train.

How to Reach West Chester

The Borough of West Chester can be accessed by car and public transportation. Route 3, the West Chester Pike, leads directly into town from Center City Philadelphia. From the Pennsylvania Turnpike, motorists traveling west should take Route 202 south from the Valley Forge Interchange or the E-Z Pass-only exit (#320), while those traveling east can arrive via Route 100 south from the Downingtown Interchange. From the south, Route 202 from Wilmington and Routes 100 and 52 from U.S. Route 1 all lead to West Chester.

Public transportation is available from Philadelphia and other nearby communities.
The Frederick Douglass Institute

The Frederick Douglass Institute (http://www.wcupa.edu/fDouglass) at West Chester University is an academic program for advancing multicultural studies across the curriculum and for deepening the intellectual heritage of Frederick Douglass, the former slave, distinguished orator, journalist, author, and statesman. Douglass, who was a frequent visitor to the West Chester area, gave his last public lecture on West Chester's campus on February 1, 1895; an official historical marker has been placed to denote that location. Thirty years earlier, in October 1865, at the inauguration of a Baltimore, Maryland, institute named for him, Douglass said that the mission was "to be a dispenser of knowledge, a radiator of light. In a word, we dedicate this institution to virtue, temperance, truth, liberty, and justice."

At West Chester University, the Douglass Institute is primarily involved in four academic areas:

1. Conducting research in multiculturalism and on Frederick Douglass
2. Sponsoring distinguished exhibits and lectures
3. Establishing opportunities for advanced study for public, private, and college-level teachers
4. Collaborating with historical societies and other educational and cultural agencies

West Chester University's Douglass Institute is recognized as the model for other Pennsylvania campuses and is called collectively the Frederick Douglass Institute of the Pennsylvania State System of Higher Education.

The activities of the institute take place on and off campus. With undergraduate and graduate students, and West Chester faculty, the institute sponsors seminars and forums on selected topics. The Anna Murray Douglass Circle is a lecture series offering a platform for today's leading intellectuals. Annually in October, the institute sponsors Douglass Days, a festival of educational activities on Douglass and multiculturalism that involves the entire campus and surrounding communities.

For further information, call the Frederick Douglass Institute at 610-436-2766, or e-mail FDouglass@wcupa.edu. The fax number is 610-436-2769.

The Frederick Douglass Society

Drawing its content from our campus history of social consciousness and its structure from a variety of models in public life, the Frederick Douglass Society (http://www.wcupa.edu/fds) of West Chester University is the organization of faculty and staff at West Chester who embrace Frederick Douglass' quest for freedom and inclusiveness. Named in 1983 for one of the 19th century's most distinguished advocates of human freedom, the organization is oriented toward self-help and improvement by offering a collective voice in the affairs of the University. Its programs also aim to stimulate other groups on campus to enrich our climate. The society annually raises money for scholarship funds. It also seeks, by the example of Douglass, to promote an intellectual standard that is not only grounded in excellence but profoundly rooted in the public mission of higher education.

Institute for Women

The Institute for Women (http://www.wcupa.edu/instituteForWomen) was initially designated to serve as the parent organization to represent the interests of women on campus. The institute is an independent body headed by the director of the Center for Women and Gender Equity (http://www.wcupa.edu/womensCenter). Along with the Commission on the Status of Women and the Women's and Gender Studies program, the Institute for Women engages in campus activities for the benefit of women students, faculty, and staff.

The institute sponsors activities to enhance the self-esteem and career success of women at the University including the Graduate Grant, Endowed Book Funds, and support for campus programs. The institute prepares periodic reports on the status of women at the University and has also secured Charlotte W. Newcombe Scholarship Grants for mature or second-career women for more than 25 years. For more information contact Alicia Hahn-Murphy, director, at 610-436-2122.

Ethnic Studies Institute

The Ethnic Studies Institute, established in 1974, is designed to organize, support, and encourage interdisciplinary scholarly research, teaching, and service/outreach programs and activities that are directed toward exploring and understanding the social and historical experience of racial and ethnic groups in the United States. The Institute works with groups and constituencies concentrating on diversity, racial, and ethnic understanding, and fostering the development of a diverse university environment. The Institute encourages and supports faculty and students in their research on race and ethnic studies. The Ethnic Studies Institute also works with local groups to meet community needs.

The Ethnic Studies Institute offers an interdisciplinary minor which provides students with a critical understanding of the social and historical experience of racial and ethnic groups in the U.S and the impact of social, economic, political, philosophical, and cultural systems and structures on these groups. The minor offers six areas of concentration: African American Studies, Asian American Studies, Jewish American Studies, Latino/a Studies, Native American Studies, and Multiethnic Studies. The Institute is responsible for curriculum development and assessment of the minor, and student academic advising.

For more information about the Ethnic Studies Institute (http://www.wcupa.edu/ethnicStudies) or the minor, contact Dr. Miguel Ceballos, director, at mceballos@wcupa.edu (610-436-2308).

Poetry Center

The West Chester University Poetry Center (http://www.wcupa.edu/poetry) hosts the annual West Chester University Poetry Conference (the nation's premier all-poetry writing conference), sponsors the University's Poet-in-Residence program, presents poetry readings throughout the year, and collaborates on poetry and music concerts with the College of Arts and Humanities. The center also oversees national poetry awards under the auspices of the Iris N. Spencer Poetry Awards. The center is directed by the Office of the Dean in the College of Arts and Humanities. For more information, email (poetry@wcupa.edu) the Poetry Center, or call 610-436-2598.

WCU Community Mental Health Services (CMHS)

WCU Community Mental Health Services (CMHS) is affiliated with the West Chester University Doctor of Psychology (Psy.D.) Program. CMHS serves as a training center for graduate students in the Psy.D. Program and as a clinical research site for faculty in the Psychology Program. As a non-profit training and research facility, CMHS provides low-cost, high-quality psychotherapy and testing for members of the greater West Chester community, staff and faculty of WCU, as well as WCU students referred from the University Counseling Center. Services include psychotherapy for a wide range of psychological disorders and educational assessments, including assessments for ADHD, learning disabilities, and other disorders that may require documentation to secure classroom accommodations. CMHS is located on the 8th Floor of Wayne Hall. For additional information or to
schedule an appointment, please call 610-436-2510 or go to http://www.wcupa.edu/communityMentalHealth.

Dub-C Autism Program (D-CAP)
The Dub-C Autism Program (www.wcupa.edu/dcaptop) is part of the Pennsylvania State System of Higher Education (PASSHE) Autism Initiative. D-CAP is a campus program supporting full-time, matriculated students on the autism spectrum. The program provides services across the areas of Executive Functioning, Self-Care, Social Competence, Self-Advocacy, and Career Preparation. Students set their own goals, and skill development is addressed via individual appointments, group meetings, and/or social engagements. In addition, the program provides training and support for faculty, staff, and peers helping West Chester University build an inclusive and accepting campus community. For additional information go to www.wcupa.edu/dcaptop or call 610-436-3168.

ACCREDITATIONS AND NATIONALLY RECOGNIZED PROGRAMS

West Chester University is accredited by:
Middle States Commission on Higher Education (MSCHE)
3624 Market St.,
Philadelphia, PA 19104-2680
215-662-5066

Accreditations
Accreditation Board for Engineering and Technology (ABET)
Accrediting Council for Continuing Medical Education (ACCME)
American Chemical Society (ACS)
American Orff Schulwerk Association (AOSA)
American Speech-Language-Hearing Association (ASHA)
Association to Advance Collegiate Schools of Business (AACSB)
Commission on Accreditation of Allied Health Education Programs (CAAHEP)
Pending Renewal
Commission on Accreditation of Athletic Training Education (CAATE)
Accreditation Council for Education in Nutrition and Dietetics (ACEND)
Commission on Collegiate Nursing Education (CCNE)
Committee on Accreditation for Respiratory Care (CoARC)
Council on Accreditation of Counseling and Related Educational Programs (CACREP)
Council on Education for Public Health (CEPH)
Council of Social Work Education (CSWE)
Forensic Science Education Programs Accreditation Communication (FEPAC)
National Association of Schools of Art and Design (NASAD)
National Association of Schools of Music (NASM)
National Association of Schools of Theatre (NAST)
National Council for Accreditation of Teacher Education (NCATE)
National Environmental Health Science and Protection Accreditation Council (EHAC)
Network of Schools of Public Policy, Affairs, and Administration (NASPAA)
Organization of American Kodaly Educators (OAKE)

West Chester University’s professional education programs are approved by the Pennsylvania Department of Education (PDE) to recommend candidates for certification.

Recognized Programs
American Council on Teaching Foreign Languages (ACTFL)
Association for Middle level Education (AMLE)
Council for Exceptional Children (CEC)
International Literacy Association (ILC)
National Association for the Education of Young Children (NAEYC)
National Council for Social Studies (NCSS)

National Council of Teachers of English (NCTE)
National Science Teachers Association (NSTA)
Society of Health and Physical Educators (SHAPE)

CALCAND AND TERM INFORMATION

Fall and Spring Terms
West Chester University operates on a semester system. The Pennsylvania’s State System of Higher Education (PASSHE) provides WCU with calendar guidelines. The academic year begins with the fall semester in August and concludes at the end of the spring semester in May. Though many students take advantage of WCU's summer and winter sessions, the bulk of any student’s course work is taken during these two main semesters. Offerings are available in every department and in interdisciplinary areas.

Students from any college or university, as well as nontraditional students, may take courses for enjoyment, personal growth, or degree credit.

Sessions Within Semesters
Separate sessions are incorporated within the fall and spring semesters to accommodate courses that don't extend for a full 15 weeks. The various sessions are categorized according to the following:

• Session 01: Represents the full 15-week semester
• Session 71: Represents the first 7 weeks of the semester
• Session 72: Represents the second 7 weeks of the semester
• Session DD (Dynamic Date): Used for courses that have individual dates that fall outside of the three other sessions listed above

Academic Calendar
Our Academic Calendar provides important University dates and deadlines related to holidays, semester and session start-end, commencement, add/drop, withdrawal, and refund periods, final exams and grades, and financial aid.

Visit the Registrar’s website for the academic calendar (http://wcupa.edu/registrar/calendar).

Summer Sessions
West Chester University’s summer program, among the oldest university-sponsored summer programs in the United States, has one of the largest enrollments in the State System of Higher Education. More than 600 courses, both graduate and undergraduate, are offered, including workshops, seminars, and internships, as well as the typical summer sessions.

Winter Sessions
West Chester University offers a variety of undergraduate and graduate courses, in a number of delivery modalities (onsite, offsite, and online), between the fall and spring semesters. Students from any college or university, as well as nontraditional students, may take courses for enjoyment, personal growth, or degree credit.

CAMPUS AND FACILITIES

West Chester University Campus
West Chester University's campus is a mixture of 19th century collegiate Gothic and contemporary architectural styles. The distinctive buildings and magnificent old trees make the campus one of the aesthetic treasures of southeastern Pennsylvania.

Approaching West Chester Borough from the south, the University stretches westward from High Street and provides a gateway to the
Performing Arts Center. Both libraries offer excellent environments (www.wcupa.edu/presserLibrary) at the corner of High Street and Rosedale Avenue, and the Presser Music Library. Library Research Help Desk at 610-436-2435 or refdesk@wcupa.edu. Questions regarding library materials and services should be directed to the Green Library. From other libraries must be picked up at the Green Library. Questions from other libraries must be picked up at the Green Library.

Francis Harvey Green Library

The Francis Harvey Green Library is the main library on campus. Key library services include reference (in-person, text, telephone, chat, and e-mail); library instruction; electronic reserves; interlibrary loan; laptops; and access to scanners, photocopiers, and microform copiers.

Library Holdings
- More than 285,000 print volumes
- More than 850 print subscriptions
- More than 76,000 films, videos, and DVDs
- More than 1.5 million electronic books
- More than 124,000 electronic journal subscriptions
- More than 870,000 albums of streaming audio
- More than 49,000 scores
- Full text of articles from more than 124,000 journals through licensed databases
- More than 150,000 microfilms, microfiche, and microcards

Interlibrary Loan

Books and articles not owned or licensed by WCU University Libraries may be requested online using the interlibrary loan (http://library.wcupa.edu/ill) services ILLiad and EZ-Borrow. Special interlibrary loan services are available to students who do not take classes on the main campus, including distance education students and students at other locations, such as the Graduate Center or the Philadelphia campus. There is no charge for interlibrary loan.

Special Collections

University Libraries Special Collections (http://subjectguides.wcupa.edu/speccoll) preserves and provides access to materials of historical and research value related to the history of the University and the West Chester region. Special holdings include the Chester County Collection of Scientific and Historical Books, the Normal Collection (publications by faculty and alumni), and the Stanley Weintraub Center for the Study of Arts and Humanities. Important rare books include The Biographies of the Signers of the Declaration of Independence by John Sanderson and Shakespeare’s first four folios.

Philadelphia Campus

West Chester University’s Philadelphia campus offers programs of study within four different colleges, all under one roof. WCU Philadelphia
specializes in part-time courses for busy professionals who are looking to obtain their bachelor's or master's degrees.

Small class sizes and distinguished faculty members are the hallmarks of a WCU Philadelphia education, and create a positive and successful learning experience for students. In addition to attaining a customized education experience, students will network and build connections, setting them on the right path for a successful future. Academic colleges represented at the Philadelphia campus include:

- College of Business and Public Management
- College of Health Sciences
- College of Education and Social Work

Location

West Chester University's Philadelphia campus is surrounded by many of the restaurants, shops, and cultural attractions that the city is famous for. Located in the heart of Center City at 701 Market Street, WCU Philadelphia is easily accessible by public transportation. SEPTA's Jefferson Station is a short walk from campus, and a bus stop is located just outside of the building. If you drive to campus, WCU students are eligible for discounted parking rates at local parking lots and garages. On street metered parking is also available.

Resources

West Chester University’s Philadelphia campus is a state-of-the-art classroom and meeting space equipped with educational resources to help students reach their fullest academic potential, including:

- Computer lab
- Counseling services
- Student Success Center
- Full-time Coordinator of Support Services in Center City (links services offered in West Chester to our Philadelphia students)

Graduate Center

The Graduate Center (http://www.wcupa.edu/graduateCenter), located within the Greenhill Corporate Park at 1160 McDermott Drive in West Chester, is home to the MBA Program and the Department of Counselor Education. Additionally, it is home to the Southeastern Pennsylvania Autism Resource Center (SPARC), a non-profit clinic that provides services to individuals with autism and a variety of behavioral challenges.

Exton Campus

The Department of Nursing is located in the West Whiteland Business Center at 930 E. Lincoln Highway, Suite 100, Exton, PA, approximately 9 miles from the main campus. The building houses faculty and staff offices, two classrooms, and all nursing lab space. There is a shuttle service that provides transportation to students from the main campus. This is a temporary location, and the Department of Nursing is expected to return to the main campus in 2020.

Geology Museum

The WCU Geology Museum in the Schmucker Science Center displays specimens from collections of historic and scientific importance. The museum is unique in the U.S. because University students who are majors in the Department of Earth and Space Sciences have created each exhibit. These exhibits use minerals, rocks, and fossils from around the world drawn from notable 19th and 20th century collectors who lived in Chester County, including William Yocom, William Brinton, Hugh McKinstry, and Ruth Bass. Each exhibit highlights an interesting topic about minerals and rocks. Students can explore electricity and magnetism in minerals using an interactive display; discover how Chester County rocks have been mined and used for hundreds of years; find the beauty of fluorescent minerals under ultraviolet light; from the extensive collection of John Stolar, Sr.; and explore ancient life through the marine creatures preserved along waterways. The museum is free and open to the public Monday through Thursday from 10 a.m. to 2 p.m. during the fall and spring semesters, and is open by appointment during summer and winter sessions. Please contact the Department of Earth and Space Sciences at 610-436-2727 for more information or to make an appointment.

WCU Observatory

The College of the Sciences and Mathematics operates an observatory on top of the Schmucker Science Center. The facility houses a 14-inch, Schmidt-Cassegrain telescope with photometric, spectrographic, and photographic instrumentation. The observatory serves mostly as an introduction to astronomy research for interested students, but it is also used for public outreach and is available for use in astronomy courses.

Mather Planetarium

The Department of Earth and Space Sciences operates the Dr. Sandra F. Pritchard Mather Planetarium, located in the Schmucker Science Center. The planetarium is equipped with a state-of-the-art Scidome XD Touch digital projector and a 32-foot nanoseam dome, manufactured by Spitz, Inc. The planetarium is used for WCU astronomy classes, school groups (Pre K to 12), and public programs. Annual attendance approaches 2,000. During the regular academic year, public shows are offered several times a month. Live shows, presented by a Ph.D astronomer, give an overview of the current night sky and focus on a special topic in astronomy. Pre-recorded shows consist of a short sky tour followed by an astronomy-themed movie. These movies are specially formatted for the planetarium dome, providing an impressive and immersive experience that is both educational and entertaining. Programs are made possible by funding from the WCU College of the Sciences and Mathematics, admissions fees, and generous donations from WCU faculty, staff, alumni, and the public. For more information or to join the e-mail list, see http://www.wcupa.edu/planetarium.

Darlington Herbarium

The Darlington Herbarium, housed in Schmucker Science Center, is one of the most highly regarded historical collections of dried plant specimens in the East. Among the 20,000 specimens are plants collected by such famous explorers and botanists as Captain John Fremont, Thomas Nuttall, Sir William Hooker, C.S. Rafinesque, and George Engleman. More than 200 collectors from America’s formative years of 1820 to 1850 are represented. The herbarium was the work of Dr. William Darlington (1782-1863), a member of the West Chester Cabinet of Science. Dr. Darlington was eminent in West Chester as a physician, educator, banker, businessman, historian, and botanist. His plants, however, were his first love. A state park has been established in northern California to preserve a rare species of insectivorous plant named in his honor - Darlingtonia.

Robert B. Gordon Natural Area for Environmental Studies

The University has conserved 70 acres of natural woodland, field, and streamside habitat at the Gordon Natural Area, located on South Campus. Dedicated in 1973, the area was named for Robert B. Gordon, faculty member and chairperson of the University’s department of science from 1938 to 1963. The Gordon Natural Area encompasses two parcels of land: a 47-acre forest, which is east of Farrell Stadium on South Campus, and a 23-acre tract of old farm fields, floodplain, and wetlands southwest of the stadium. Gordon Natural Area currently is home to more than 35 research projects, ranging from stream water quality assessments to seismic monitoring. In its efforts to protect biodiversity, the natural area conducts plant surveys, removes invasive plant species, and organizes tree plantings. As part of its outreach mission, the Gordon Natural Area partners with area organizations on projects such as the Pennsylvania Horticulture Society’s Tree Tenders program and the East Goshen Township Forest Restoration Project. In addition, more than 900 West Chester University students visit this outdoor classroom annually. While frequented by field botany
and general ecology students, it’s also used by business and education classes, Honors College programs, ROTC students, student wellness, and athletic programs.

**Historical Properties**

The Chester County Cabinet of Natural Sciences (1826-1871) and the West Chester Academy (1811-1871) merged to form the West Chester Normal School, which evolved into West Chester University. Historical properties came to the Normal School from the Chester County Cabinet, including a grandfather’s clock that belonged to Benjamin Franklin, a telescope owned by Revolutionary War General Anthony Wayne, the Darlington Herbarium, and various library and museum collections. Especially notable are the letters of Anthony Wayne, including letters to Wayne from George Washington, Benedict Arnold, and others. The Wayne telescope, letters, and library collections are housed in the Francis Harvey Green Library Special Collections.

**Art Collections**

The University’s permanent art collection is made up primarily of gifts from interested art patrons, senior class purchases, and gifts from the alumni. The permanent art collection is on display in buildings throughout the campus. The collection consists of a number of important works, such as the watercolor, Andress Place, by Andrew Wyeth.

**Speech and Hearing Clinic**

The Speech and Hearing Clinic (http://www.wcupa.edu/speechHearing) (located at 201 Carter Drive, Suite 400) is maintained by the Department of Communication Sciences and Disorders to train student clinicians under the supervision of licensed, certified faculty. The clinic provides evaluation, intervention, and consultation services to individuals with speech and language disorders, communication differences, and professional communication enhancement needs, as well as comparable services to those with various hearing disorders. The clinic also provides diversity outreach and education opportunities for individuals and institutions. Clinic services offered are complimentary for students, faculty, and staff at West Chester University, as well as for students at Cheyney University. Those outside the University community may access clinical services in accordance with a modest fee schedule. Additional information or appointments can be made through the clinic office, 610-436-3402.

**UNDERGRADUATE ADMISSIONS**

West Chester University welcomes applications from qualified residents of Pennsylvania, other U.S. states, and international students. The University evaluates its applicants on the basis of scholarship, character, and potential for achievement in the programs to which they apply. The Office of Admissions (https://www.wcupa.edu/admissions) completes a preliminary evaluation of applications once all information has been received and processed. Every application is reviewed individually and each aspect of a student’s file is considered: academic record, standardized test scores, and selected program of study. The West Chester University application for admission is available in early August and review of completed applications begins in late September. Applicants with the strongest academic credentials are prioritized during the review process and notified of a decision as quickly as possible upon completion of their file. Other candidates may be required to submit additional information such as a personal statement, updated senior grades, or letters of recommendation and/or be referred to the admissions committee for a second review. Candidates who are referred to the admissions committee are typically notified of their decision in mid-to-late spring. All decisions are communicated to applicants in writing. Qualified students of any age and from all racial, religious, ethnic, and socioeconomic backgrounds are welcome at West Chester University. Studies may be pursued on a full- or part-time basis.

**FRESHMEN ADMISSIONS**

**General Requirements for Admission of Freshmen**

1. Graduation, with satisfactory scholarship in a college-preparatory curriculum, from an approved secondary school or approval by the Credentials Evaluation Division of the Pennsylvania Department of Education, or Pennsylvania Homeschoolers Accreditation Agency.

2. Either a satisfactory score on the SAT of the College Entrance Examination Board (CEEB) or satisfactory scores on the tests given in the American College Testing Program (ACT). Applicants who graduated from high school more than three years ago do not need to submit test scores.

**How and When Freshmen Should Apply**

Applicants apply electronically by accessing the University’s website at www.wcupa.edu and clicking **Apply Now**. Freshmen for the fall semester are urged to begin the application process early in their senior year of high school. The West Chester University application for admission is available in early August and review of completed applications begins in late September. A completed application includes an official high school transcript, official SAT or ACT scores, and a non-refundable $45 application fee or application fee waiver. Additional information may be requested by the admissions committee, including a personal statement, letters of recommendation, updated senior year grades, or additional test scores. Candidates will receive written notification from the director of admissions after decisions are reached.

Students denied formal admission to the institution are eligible to enroll in coursework through the non-degree program, assuming they meet the admission and prerequisite requirements.

**Policy on Early Admission**

In exceptional circumstances, students with superior academic qualifications and unusually mature personal development are admitted as freshmen upon completing their junior year of secondary school. Students who, in the opinion of their guidance counselors or high school principal, warrant consideration for early admission may submit their application for admission as freshmen upon completing their junior year of secondary school. Students denied formal admission to the institution are eligible to enroll in coursework through the non-degree program, assuming they meet the admission and prerequisite requirements.

**Arranging for Tests**

Information about the SAT and ACT may be obtained from high school guidance counselors or high school principal, warrant consideration for early admission may obtain more information from the Office of Admissions (https://www.wcupa.edu/admissions). Early admission applications should be submitted in accordance with deadlines recommended for freshmen.

**TRANSFER ADMISSIONS**

**General Requirements for Admission of Transfers**

Individuals who have been enrolled in any postsecondary institution after graduation from high school and/or have attended West Chester University on a nondegree basis must apply as transfer students. Applicants whose secondary school credentials would not warrant admissions consideration as freshmen must complete 24 semester hours of credit prior to attempting a transfer. A minimum cumulative grade point average (GPA) of 2.00 is required for transfer consideration. However, the University gives priority to applicants with the strongest
academic credentials. In addition, some academic departments have established prerequisite course work and specific grade point average requirements for admission. Special consideration is awarded to graduates of Pennsylvania community colleges and to students transferring from other universities in the Pennsylvania State System of Higher Education. Specific information may be obtained from the Office of Admissions (https://www.wcupa.edu/admissions).

How and When Transfers Should Apply

It is recommended that transfer applicants for the fall semester should complete the application process early in the preceding spring semester, preferably no later than April 1, and that spring semester applications should be completed no later than October 15; however, certain academic programs can close earlier. If enrollment limits are met before this time, admissions will be closed.

Applicants should apply electronically by accessing www.wcupa.edu and clicking Apply Now. Please follow all instructions and submit required materials. Additional information may be requested, including a personal statement, letters of recommendation, and/or updated grades.

The Office of Admissions (https://www.wcupa.edu/admissions) should receive an official transcript from all institutions attended. If preliminary transcripts are submitted, the student must see that final transcripts are received at the end of the semester. If a student has withdrawn from an institution prior to receiving grades and a transcript is unavailable, the students must submit an official letter from the Registrar regarding enrollment.

If a student has completed less than 24 semester hours of credit at the time of application, he or she must supply SAT or ACT scores and an official, final high school transcript. If the applicant has been out of high school for 3 or more years, SAT or ACT scores are no longer required.

Any offer of admission is contingent upon successful completion of current course work with at least a C average as documented by transcripts of all work attempted or completed.

Transcripts are evaluated and course/credit equivalencies are determined by the Office of the Registrar (http://www.wcupa.edu/registrar) in accordance with the policies of the department to which the student seeks admission.

Transfer students denied formal admission to the institution are eligible to enroll in coursework through the non-degree program, assuming they meet the admission and prerequisite requirements.

Academic Passport

The Board of Governors of the Pennsylvania State System of Higher Education adopted an Academic Passport Policy (http://www.wcupa.edu/registrar/academicPassport.aspx) effective January 1999. The goal of this policy is to facilitate transfer to State System universities from Pennsylvania community colleges and other State System universities.

Pennsylvania community college students who have earned the associate of arts degree (A.A.) or the associate of science (A.S.) degree in a transfer program containing a minimum of 30 credits of liberal arts courses for the A.S. and 45 credits of liberal arts courses for the A.A. degree with a 2.00 GPA or above are considered to have an Academic Passport. Students completing 12 credits or more from another State System university with a minimum 2.00 GPA are said to have an Academic Passport as well. The transfer-credit provisions described in the Academic Passport are extended to community college students without an associate degree who transfer 12 or more credits to a State System institution. In addition, West Chester University extended the transfer-credit provisions to all transfer students from accredited institutions, effective January 1999.

The Academic Passport policy states

Up to a maximum of 45 general education credits and liberal arts course credits shall be used to meet lower-division university general education requirements, even if the receiving university does not offer the specific course being transferred or has not designated that course as general education. A course-by-course match shall not be required.

Transfer credit not applied to general education will be applied to major requirements and other degree requirements. Effective fall 2014, under the Academic Passport, incoming students with an associate of art (A.A.), associate of fine arts (A.F.A) or associate of science (A.S.) degree from a Pennsylvania community college will automatically have satisfied the first 45 credits of general education requirements. This includes English composition, mathematics, public speaking, interdisciplinary, distributive requirements, and student electives. The diversity and writing emphasis requirements are not included. Students must also complete any prerequisites and/or related major requirements.

Statewide Program to Program (P2P)

Statewide P2P permits students with specific associate degrees from participating Pennsylvania community colleges to pursue comparable bachelor-degree programs at West Chester University. As long as the student completes an approved P2P at the Pennsylvania community college, upon admission, he or she will have junior standing. Students will earn at least 60 credits from their associate degree in transfer.

Students must meet the admissions requirements at the participating institution; this program does not guarantee admission. More information about eligible degrees and participating institutions is available on the Pennsylvania Transfer and Articulation Center (http://www.patrac.org) website.

Transfer of Credit

Credit may be awarded for equivalent courses completed at accredited institutions of higher education. A list of recognized accrediting organizations may be found on the Registrar’s website. Credit for work completed at an unaccredited institution, such as that from military training or other unaccredited organizations, may be awarded when accompanied by a transcript from the American Council on Education (ACE) or Joint Services Commission Transcript (JST). Credits from unaccredited institutions may also be granted on the recommendation of the student’s major department, in consultation with the college dean and transfer credit analyst. (See also “Admission to West Chester (p. 11)” and the section on “Taking Courses Off Campus (p. 88)”)

Grades of D or above will be accepted for transfer. Grades in a course submitted for transfer as a major and/or minor program requirement must meet the minimum grade required by the department. For example, if a program requires that a student earn a B or better in a major and/or minor program requirement, then the student requesting transfer credit from another institution must have earned a minimum of a B in the parallel course. If a student earns a lower grade than the requirement, the department may require that the course be repeated at West Chester University.

If a student changes his or her major and/or minor, grades originally approved for transfer will be re-evaluated by the new major/minor department.

No course equivalency transfer credit will be given for WCU courses numbered at the 400 level, unless the courses are taken at an institution that awards baccalaureate degrees. Departments have the right to accept courses for their majors as 199 or TRN 199.

Transcripts will be evaluated by the Office of the Registrar (http://www.wcupa.edu/registrar) prior to enrollment. Students will be sent a copy of the evaluation.

Transfer Credit Appeals Process

All questions regarding the transfer of credit to West Chester University should be directed to the transfer credit area within the Office of the Registrar (http://www.wcupa.edu/registrar). If students want to appeal
a transfer equivalency decision, they must complete the Transfer Credit Appeal form, which is available on the Office of the Registrar’s website. Students must complete and submit this form, along with a course description and/or syllabus, to the appropriate academic department for approval. If additional information is needed to further review the student’s appeal, it will be the student’s responsibility to provide this information. Please allow two to three weeks for departments to make a final determination.

University Policies for Students Transferring from a Non-accredited Institution

Applicants from collegiate institutions (including community colleges and junior colleges) that are not accredited by one of the six regional associations in the United States will be considered for admission if the applicant’s cumulative index is 2.00 (C) or better. High school credentials may be requested.

The evaluation of courses listed on transcripts from an institution not accredited by one of the six regional associations will be made by the student’s major department in consultation with the faculty dean and transfer credit analyst. All evaluations are subject to review by the provost and academic vice president.

INTERNATIONAL STUDENT ADMISSIONS

Undergraduate International Student Admission

Students from foreign countries may be considered for degree admission if, in addition to satisfying the general requirements, they also demonstrate proficiency in English. Evidence of completed academic credentials must be submitted to an approved evaluation service. Submission requirements vary, and applicants should refer to guidelines set by the individual credential evaluation service. Acceptable evaluation services include Educational Credential Evaluators, Inc. (ECE); Josef Silny and Associates, Inc.; or World Educational Services (WES). Evaluations conducted by other National Association of Credential Evaluation Services (NACES) approved members will be considered. International students must apply electronically as well as supply all supporting documents to the Office of Admissions, allowing sufficient time for the admissions review and visa process to be completed.

Standardized test scores from one of the following must be submitted with the application: Test of English as a Foreign Language (TOEFL), International English Language Testing Service (IELTS - Academic Test), SAT, or American College Test (ACT). Non-native English speakers are encouraged to submit the TOEFL or IELTS - Academic Test. A minimum score of 550 is required for the written exam, 80 for the Internet-based score, and at least 213 for the computer-based test on the TOEFL.

An overall IELTS - Academic Test score at band 6.0 or above is required, and minimum scores of 6.0 for speaking, listening, reading, and writing are preferred to demonstrate proficiency in English.

West Chester University partners with ELS Educational Services (https://www.els.edu) to provide conditional admission for students who are academically qualified but who do not meet our English Language proficiency requirements at the time of application to the university. We accept proof of completion of ELS Language Center's intensive English for Academic Purposes Level 112 as satisfying the requirements for English proficiency for all degree programs at the undergraduate level.

International students are admitted for both the fall and spring semesters. Applications for the fall should be submitted to the Office of Admissions by May 1, while applications for the spring semester should be submitted by October 15. All students are required to submit an application fee. Accepted students must be able to verify their ability to fully meet all educational and living expenses before any immigration documents can be issued. Because of the amount of time it takes for a student visa to be secured, international applicants are encouraged to complete the admissions process well in advance of the May 1 and October 15 deadlines.

Insurance Requirements for International Students

International students at West Chester University are required to carry adequate health insurance in the United States that is effective for all periods of time the student has been authorized to be in the United States by an immigration document issued by the University. Health insurance policies must be purchased through a company that sells insurance in the United States. West Chester University complies with the coverage standards set forth by the Department of State which must be met by all insurance policies. Information about the minimum standards is available at the Center for International Programs Office (https://www.wcupa.edu/international/default.aspx), 610-436-3515.

To assure compliance with the insurance requirement, all international students must come to the Center for International Programs (http://www.wcupa.edu/international) (CIP) by August 31 of each academic year (January 31 for students entering spring semester). At the CIP, students may obtain information as to the amount of insurance required and the means of obtaining coverage to meet the insurance requirement.

NON-DEGREE ADMISSIONS

Undergraduate Non-Degree Admissions

“Non-degree” is an academic term used to describe students who are “not formally accepted into a degree-seeking program.” It is a great way to start your college career or to grow on a personal or professional level.

Non-Degree Application

The Non-Degree Application will become available once the course schedule for the semester becomes accessible online. The application will remain active until the day before the start of the Add/Drop period each semester. Students will not be permitted to apply on the last day of the Add/Drop period for that particular semester.

We recommend that non-degree applicants complete the application prior to the start of open registration. This will allow time for admission and prerequisite requirements to be assessed, as well as communication with academic departments, if deemed necessary.

Tips for Applying

- You will need to provide personal information, such as your date of birth, social security number, mailing address, and email address on the application.
- Once the application is submitted, you will receive an email notification almost immediately, sent to the email address supplied, verifying that the application was submitted successfully. Some non-degree applicants, such as high school students, will be emailed additional paperwork that will need to be completed. Your online application will not be processed until all supporting documentation is received and it is determined that you meet the admission requirements for the non-degree program. Once the application is processed, a second email will be sent containing important information, including a WCU ID number and directions on how to set up your self-service account (myWCU).
- You will use that WCU ID number to activate your account. Once activated, you will be able to enroll in courses, as long as you meet the prerequisite requirements. If you have taken the prerequisites at another institution, you will need to be given permission to enroll by a WCU staff member.

Please visit our website at http://www.wcupa.edu/registrar/nondegree.aspx for more information regarding admission requirements and required supporting documentation.
Graduate Non-Degree Admissions

“Non-degree” is an academic term used to describe students who are not formally accepted into a degree-seeking program. Students often begin their graduate college careers by enrolling in courses in non-degree status for personal and professional growth. Students may enroll in graduate-level courses on a non-degree basis after having earned a baccalaureate degree from a regionally accredited institution.

Non-degree students may schedule up to nine credits of coursework on a non-matriculated basis and may be permitted to take a workshop or other noncredit bearing class. Non-degree students are permitted to enroll in any graduate course in which they possess the necessary prerequisite coursework and/or can demonstrate, prior to enrollment, minimum performance competencies. Non-degree students may also be required to seek permission from the instructor. Students enrolling in courses under this policy are expected to meet the minimum GPA required for graduate work and are encouraged to seek the academic guidance of the graduate coordinator in their intended discipline. Completing courses on a non-degree basis does not guarantee admission, and credits earned may not necessarily be applied to a degree program at a later date. Non-degree students are not eligible to receive financial aid. Additional coursework may be taken only after the student has applied and been accepted as a matriculated student into one of the categories described above. Students taking only special courses, such as workshops, are the exception to this rule. Students should begin the formal application process immediately after they have decided to pursue a graduate degree at West Chester University.

For additional information, contact the Office of Graduate Studies at 610-436-2943, via e-mail at gradstudy@wcupa.edu, or view more information on the Office of Graduate Studies (http://www.wcupa.edu/grad) website.

OTHER ADMISSIONS INFORMATION

Physical Examination Requirements

Information on physical examination requirements is available in the Student Affairs section of this catalog.

Students with Disabilities

West Chester University will make every effort to assure that students with disabilities will have access to all classes required for their program of study and will endeavor to remove all obstacles to a fulfilling, comprehensive university experience.

Students should contact the Office of Services for Students with Disabilities (http://www.wcupa.edu/ossd) in Room 223 Lawrence Center to arrange suitable accommodations. Additional information can be obtained by calling 610-436-2564.

Second Baccalaureate Degree

An individual may pursue a second baccalaureate degree at West Chester University after earning the first baccalaureate degree either at West Chester University or another institution. Such an individual must apply for admission through the Office of Admissions (http://www.wcupa.edu/ADMISSIONS) as a transfer student.

Post-Baccalaureate Teacher Certification

Individuals who are interested in post-baccalaureate teacher certification, at either the undergraduate or graduate level, should contact the Office of Graduate Studies (http://www.wcupa.edu/grad) for admissions materials. Applicants will be referred to the appropriate faculty advisor(s) for completion of the Approved Program of Studies form.

Readmission of Former Undergraduate Students

Degree students who have not attended West Chester University for three or more consecutive semesters are classified as “inactive” and must request an application for readmission from the Office of Admissions (http://www.wcupa.edu/admissions). Students applying for readmission who have attended any institutions of higher learning since leaving West Chester must request those institutions to forward transcripts of their records to:

Office of Admissions
West Chester University
West Chester, PA 19383

Readmitted students who have a disability that they previously did not disclose but wish to do so should contact the Office of Services for Students with Disabilities (http://www.wcupa.edu/ossd)(OSSD) at 610-436-2564. These students will be informed of the appropriate documentation to submit as well as the assistance and support services available to them. Students who believe that their disability had an effect on their previous course work at the University and wish to have this fact considered should include that information in their personal statement. They also may wish to seek the support of the OSSD in the readmission process.

Readmitted students are bound by the requirements in general education, major, minor, and cognate areas at the time of readmission, except where permission is granted by the respective department concerning departmental requirements.

Students intending to enroll in student teaching in the first semester of readmission must file an application for student teaching with the individual departments at least four months before their expected readmission. See also “Student Teaching” in the section entitled “Academic Affairs.”

All readmission applications, including all supporting documents, should be filed by August 1 for the fall semester and December 1 for the spring semester.

Readmission of Former Graduate Students

Readmission is not automatic and may be subject to additional conditions set by the department, school or college, or by the Dean of Graduate Studies. Students inquiring about readmission to their previous graduate program should contact the Office of Graduate Studies at 610-436-2943 or gradstudy@wcupa.edu.

Second Master’s Degree

Students wishing to obtain a second master’s degree from West Chester University (where the baccalaureate degree may have been earned at West Chester University or another institution) must meet all academic requirements set by the Office of Graduate Studies and the department concerned. Candidates for a second master’s degree must earn a minimum of 24 credits beyond the hours applied toward the first master’s degree. All new credits and additional departmental academic requirements must have been completed within a six-year period preceding the awarding of the second degree.

Senior Citizen Policy

The Senior Citizen Program allows retired Pennsylvania residents to attend West Chester University tuition free on a space-available basis. To qualify, the student must be retired, at least 60 years old, and have been a Pennsylvania resident for at least a year. Students may enroll as either degree or non-degree and may audit or take courses for credit. The program does not include internships, independent study, individualized instruction, student teaching, thesis, seminar, or any similar course requiring extra faculty compensation for the additional enrollment.

Senior citizen students may not register prior to the beginning of classes. They must attend the first meeting of the class(es) for which they wish to register and obtain the instructor’s signature on their enrollment form, indicating there is space available in the class. They then return their completed enrollment form, along with a signed Senior Citizen Fee Waiver form, to the Registrar’s Office. The
Criminal Convictions Policy

West Chester University is committed to ensuring a safe learning environment for all students and employees. As a result, policy and procedures have been developed to protect all members of the University Community.

Definition

Criminal conviction: “Any instance in any state or national jurisdiction where you have plead guilty or been found guilty by judge or jury to charges that you committed a felony offense. This includes any plea of ‘no contest’ or ‘nolo contendere,’ and any conviction that may be under current appeal.”

The term “criminal conviction” is not applicable to the following situations:

1. An arrest not resulting in a charge
2. A dropped charge
3. An acquittal
4. A conviction overturned on appeal
5. An expunged conviction
6. An executively pardoned conviction

Procedure

If a prospective student (degree-seeking or non-degree) who meets all criteria for general university admission confirms a prior criminal conviction on his or her admission application, the following process is carried out:

1. A copy of West Chester University’s Criminal Convictions Policy is provided to the applicant.
2. A copy of the "Consent and Authorization to Access Additional Information" form (https://www.wcupa.edu/registrar/documents/CriminalConvictionsDisclosureForm.pdf) is completed and returned by the applicant to the best of his or her ability.
3. The applicant provides a written, detailed explanation of each incident that led to a conviction.
4. The applicant submits a copy of all appropriate court documents.
   a. The criminal complaint(s) that initiated the criminal case(s)
   b. The guilty plea(s) or verdict form(s) that establish guilt
   c. The sentencing agreement(s) or order(s) that establish the criminal sentence
5. The application and related materials enter the review process.

Consideration of Applicant’s Information

A prior conviction, in and of itself, does not automatically result in the denial of admission to the University, to a particular academic program, or to housing. Cases are reviewed by the Criminal Convictions Review Committee on an individual basis, and information is only considered when it has been determined that all necessary admission criteria for the university and specific major to which the applicant applied have been met. However, because some state professional standards and licensure requirements bar the issuing of a license to an individual with certain criminal convictions, an individual who indicates such a conviction may be deemed ineligible for acceptance into related academic majors/programs, regardless of whether other university requirements have been met. In addition, the University does not generally accept anyone who has not completed their criminal sentence, absent any extraordinary circumstances.

Ultimately, decisions regarding admission and imposition of conditions will be evaluated on the following criteria:

1. The nature and severity of the offense or offenses
2. The length of time since completion of the sentence, if applicable
3. Whether the student has other criminal conduct
4. The applicant’s attitude toward the offense and its effect on the applicant’s life
5. The extent to which the conduct would be relevant to the applicant’s participation in the University Community
Questions about this policy may be directed to Undergraduate Admissions (610-436-3479), Graduate Admissions (610-436-2462), or the Office of the Registrar for non-degree (610-436-3541).

**TUITION, FEES, AND FINANCIAL AID**

**FEES AND EXPENSES**

Special Note: The fees listed below reflect charges at press time. For up-to-date information on fees at any given time, contact the Office of the Bursar (http://www.wcupa.edu/bursar), 610-436-2552.

Fees and expenses are subject to change without notice. Tuition rates and some fees shown here are in effect for the academic year 2017-2018 and apply to fall and spring semesters only. Tuition changes for 2018-2019, if approved, would occur after the printing of this catalog.

**Undergraduate Tuition Rates**

Tuition and fees can be paid by check, electronic check (e-check), money order, or cash. The University does not accept credit cards for tuition and fee payment except through the Web-based QuickPAY system. If the student chooses to pay via credit card, a fee will be assessed for this service. Refer to the Office of the Bursar’s webpage (http://www.wcupa.edu/bursar) for payment instructions.

**Undergraduate Tuition for Legal Residents of Pennsylvania**

| Full-time students (between 12-18 credits) | $3,746.00 per semester |
| Part-time students (11 credits or less), or per credit hour for each credit over 18 | $312.00 per credit hour |

See the Office of the Registrar (http://www.wcupa.edu/registrar) for residency requirements.

**Undergraduate Tuition for Out-of State Students**

| Full-time students (between 12-18 credits) | $9,365.00 per semester |
| Part-time students (11 credits or less), or per credit hour for each credit over 18 | $780.00 per credit hour |

**Graduate Tuition Rates**

Tuition and fees can be paid by check, electronic check (e-check), money order, or cash. The University does not accept credit cards for tuition and fee payment except through the Web-based QuickPAY system. If the student chooses to pay via credit card, a fee will be assessed for this service. Refer to the Office of the Bursar’s webpage (http://www.wcupa.edu/bursar) for payment instructions.

**Graduate Tuition (full-time/part-time students)**

| Legal residents of Pennsylvania | $500.00 per credit hour |
| Out-of-state students | $750.00 per credit hour |
| Out-of-state Distance Education | $510.00 per credit hour |

**M.A. in Communicative Disorders; M.Ed. in Counseling; M.S.W. (Social Work); M.S. Clinical Mental Health Counseling**

Students in these special programs of study pay an additional 10% in tuition.

| Legal residents of Pennsylvania | $550.00 per credit hour |
| Out-of-state students | $825.00 per credit hour |

**Doctor of Nursing Practice**

| Legal residents of Pennsylvania | $650.00 per credit hour |
| Out-of-state students | $663.00 per credit hour |

**Doctor of Public Administration**

| Legal residents of Pennsylvania | $625.00 per credit hour |
| Out-of-state students | $638.00 per credit hour |

**Doctor of Education**

| Legal residents of Pennsylvania | $625.00 per credit hour |
| Out-of-state students | $938.00 per credit hour |

**Doctor of Psychology**

| Legal residents of Pennsylvania | $650.00 per credit hour |
| Out-of-state students | $975.00 per credit hour |

**Undergraduate General Fee**

The general fee of $1,096.98 per full-time student (12 credits or more) or $91.42 per credit hour for the part-time student (11 credits or less is a mandatory charge that covers the services indicated below):

- **Sykes Student Union Fee ($83.64)**
  This fee pays for the operation and use of the Sykes Student Union Building. The part-time rate is $6.97 per credit hour.

- **Health Center Fee ($146.82)**
  This charge is for the use of the University Health Center. The part-time rate is $12.24 per credit hour.

- **Student Services, Inc. (SSI) Fee ($174.33)**
  The SSI fee funds student activities, services, clubs, and sports. The part-time rate is $14.53 per credit hour.

- **Auxiliary Enhancement Fee ($60.00)**
  This fee supports the recent renovation of Sykes Student Union. The part-time rate is $5.00 per credit hour.

- **Educational Services Fee ($397.80)**
  Students pay this fee in lieu of specific department charges. These funds are used for instructional equipment and supplies for professors, maintenance of library circulation materials, and supports academic computing services. The part-time rate is $33.15 per credit hour.

- **Parking Improvement Fee ($83.57)**
  This fee is dedicated to improved the quality and availability of campus parking for students. Improvements include new student parking spaces, improved shuttle service between North and South Campus, and various safety improvements. The part-time rate is $6.96 per credit hour.

- **Student Recreation Center Fee ($150.82)**
  This fee supports the operation of the on-campus Student Recreation Center, including debt-service payments. This building includes an extensive fitness area on two levels, elevated walking/jogging track, two-court gym, multi-activity court, spinning room, aerobic studios, racquetball/squash courts, a three-story climbing wall, social lounges, and a "hydration station" for refreshments. The part-time rate is $12.57 per credit hour.
Graduate General Fee
The general fee of $1,246.30 per full-time student (nine credits or more) or $139.70 per credit hour for the part-time student (eight credits or less) is a mandatory charge that covers the use of the following services:

- **Sykes Student Union Fee ($83.64):** This charge is for the operation and use of Sykes Student Union. The part-time rate is $9.29 per credit hour.
- **Student Health Center Fee ($146.82):** This charge is for the use of the University Health Center. Part-time graduate students (registering for fewer than nine graduate credits) may elect to have the Student Health Center Fee ($16.31 per credit hour) waived. Acceptance or rejection of this option must be made at the time of initial registration for each semester or summer session. This choice cannot be changed until the time of the next registration. Students who elect to have this fee waived will not have services of the Student Health Center available to them for the semester or summer session involved. Payment of the Student Health Center Fee is a prerequisite for part-time graduate students who wish to purchase University-approved health insurance.
- **Auxiliary Enhancement Fee ($60.00):** This fee supports the recent renovation of Sykes Student Union, which features new and improved student services. The part-time rate is $7.00 per credit hour.
- **Graduate Student Association Fee ($10.00):** This fee funds the activities of the Graduate Student Association. The part-time rate is $2.00 per credit hour with a maximum charge of $10.00.
- **Educational Services Fee ($711.45):** Students pay this fee in lieu of specific department charges. The part-time rate is $79.05 per credit hour.
- **Parking Improvement Fee ($83.57):** This fee is dedicated to improve the quality and availability of campus parking for students. The fee will provide for new student parking spaces, improved shuttle service, and safety improvements. The part-time rate is $9.29 per credit hour.
- **Student Recreation Center Fee ($150.82):** This fee supports the operation of the on-campus Student Recreation Center, including debt-service payments. This building includes an extensive fitness area on two levels, elevated walking/jogging track, two-court gym, multi-activity court, spinning room, aerobic studios, racquetball/squash courts, a three-story climbing wall, social lounges, and a "hydration station" for refreshments. The part-time rate is $16.76 per credit hour.

Distance Education Access Fee
Students enrolled in any distance education course will be charged an access fee of up to 15% of the tuition for that course along with the educational services fee.

International Student Service Fee
This $75.00 per semester fee applies to all inbound international students to support compliance with requirements of the Student and Exchange Visitor Information System (SEVIS).

Undergraduate Technology Instructional Fee
This mandatory instructional fee will be used to enhance classroom technology. All charges are per semester.

Legal Residents of Pennsylvania
<table>
<thead>
<tr>
<th></th>
<th>Full-time undergraduate (12 or more credits)</th>
<th>Part-time undergraduate (per credit hour)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student (full-time/part-time)</td>
<td>$232.00</td>
<td>$20.00</td>
</tr>
<tr>
<td>Out-of-State</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Student (full-time/part-time)</td>
<td>$353.00</td>
<td>$30.00</td>
</tr>
</tbody>
</table>

Graduate Technology Tuition Fee
This mandatory instructional fee will be used to enhance classroom technology. All charges are per semester.

Legal residents of Pennsylvania (full-time/part-time students)
|                                          |                                          |                                          |
|                                          | $27.00                                   |                                          |

|                                          |                                          |                                          |
|                                          |                                          |                                          |

Housing Fee

North Campus Residence Halls
This fee entitles the student to occupancy of a standard double room in any University owned residence hall with one roommate.

Per Student $2,758.00 per semester

South Campus Apartment Complex
This fee entitles the student to occupancy of a four- or five-person apartment that is University owned with the following bedroom occupancy. Rates are per student.

|                                          |                                          |                                          |
|                                          |                                          |                                          |
|                                          |                                          |                                          |
College Arms Apartment Complex
This fee entitles the student to occupancy of various living arrangements that are University owned with bedroom occupancies indicated below. All rates are per student.

<table>
<thead>
<tr>
<th>Meal Plan</th>
<th>Price per Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 meals/week, plus $250.00 flex</td>
<td>$1,489.00</td>
</tr>
<tr>
<td>12 meals/week, plus $250.00 flex</td>
<td>$1,454.00</td>
</tr>
<tr>
<td>14 meals/week, plus $250.00 flex</td>
<td>$1,365.00</td>
</tr>
<tr>
<td>Unlimited meal plan, plus $250.00 flex</td>
<td>$1,850.00</td>
</tr>
</tbody>
</table>

Residents of the College Arms Apartment Complex, South Campus Apartment Complex, The Village, off-campus students, and commuters may purchase, in addition to any meal plan listed above, the following two meal plans indicated below. These students also have the option to obtain meals at the transient rate. The plans below are not permitted for students residing in North Campus residence halls.

<table>
<thead>
<tr>
<th>Meal Plan</th>
<th>Price per Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 meals/week, plus $250.00 flex</td>
<td>$1,286.00</td>
</tr>
<tr>
<td>Flex only</td>
<td>$150.00 minimum</td>
</tr>
</tbody>
</table>

Students in the North Campus residence halls losing their roommates who do not have another roommate assigned to them will be assigned a roommate, be relocated, or charged a private room fee of $50.00 per week for every week that they occupy the room alone. Students who do not have another roommate assigned to them will be assigned a roommate, be relocated, or charged a private room fee of $50.00 per week for every week that they occupy the room alone. These options are available on a limited basis; however, available spaces will be used if demand requires.

Students may also obtain housing through University Student Housing, which operates four housing facilities on campus (Allegheny, Brandywine, Commonwealth, and University halls, as well as The Village at WCU). WCU hires, trains, and supervises the residence life staff for each location and handles all student issues. University Student Housing is responsible for occupancy management (leases), as well as facility-related issues. Information about applying for these facilities is available by sending an e-mail to info@wchousing.com, logging on to www.wchousing.com (http://www.wchousing.com), or calling 610-436-2368.

Housing Deposit
All new and returning students who wish to live in University-owned housing (residence halls, College Arms Apartment Complex, and the South Campus Apartment Complex) are charged $200.00. The deposit is credited against the student’s housing fee and is nonrefundable if a student cancels housing, withdraws, transfers, is released from his/her occupancy agreement, or cancels his/her acceptance.

Meal Fee
All students residing in a North Campus residence hall (including affiliated housing) must be on the University meal plan as a condition of occupancy and must choose one of the four meal plans indicated below. Students with medical problems who cannot meet this requirement may request a meal waiver.

<table>
<thead>
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<tbody>
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</tr>
<tr>
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<td>$1,454.00</td>
</tr>
<tr>
<td>9 meals/week, plus $250.00 flex</td>
<td>$1,365.00</td>
</tr>
<tr>
<td>Unlimited meal plan, plus $250.00 flex</td>
<td>$1,850.00</td>
</tr>
</tbody>
</table>

Residents of the College Arms Apartment Complex, South Campus Apartment Complex, The Village, off-campus students, and commuters may purchase, in addition to any meal plan listed above, either of the following two meal plans indicated below. These students also have the option to obtain meals at the transient rate. The plans below are not permitted for students residing in North Campus residence halls.

<table>
<thead>
<tr>
<th>Meal Plan</th>
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<tbody>
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<td>$1,286.00</td>
</tr>
<tr>
<td>Flex only</td>
<td>$150.00 minimum</td>
</tr>
</tbody>
</table>

For additional information regarding meal plans and meal zones that apply only to the unlimited meal plan, contact Dining Services at 610-436-2373.

All meal plans may be used in the following locations: Lawrence Dining Hall; the Diner, C-Store; Grill operations; and the Ram’s Head Food Court. On-campus national brands, such as Chick-fil-A, Subway, Einstein’s Bagels, and Freshens will take cash and flex only. Students in North Campus residence halls will have their meal plan cost included in their University bill. Off-campus, commuter, College Arms, and South Campus Apartment/Village students can sign up for a meal plan by applying at the Office of the Bursar (http://www.wcupa.edu/bursar) at 25 University Avenue. Any meal plan changes must be submitted within the first two weeks in the beginning of each semester. After that deadline, the Assistant Vice President for Student Affairs must approve any change requests. The diner is permitted to use four meals in one day and may combine up to two meals per meal zone to convert to the meal/cash allowance. Diners may use five of their meals per semester for a guest.

Other Fees

Acceptance Fee
All newly accepted and readmitted undergraduate students pay $200.00 as proof of intention to enroll at the University. This is a nonrefundable fee, which will be credited to the student’s account upon enrollment.

All newly accepted and readmitted graduate students pay $100.00 as proof of intention to enroll at the University. This is a nonrefundable fee, which will be credited to the student’s account upon enrollment.

Application Fee
Undergraduate: $45.00 is charged to all prospective students for the processing of their applications to the University. This fee is nonrefundable and is not credited to the student’s account.

Graduate: All prospective students are charged a $50.00 application fee, which will be credited to the student’s account upon enrollment. All newly accepted Doctor of Psychology (Psy.D) students pay $400.00 as proof of intention to enroll at the University. This is a nonrefundable fee, which will be credited to the student’s account upon enrollment.

Art + Design Portfolio Fee
Electronic Portfolio Upload $10.00

Commencement Fee
The University charges $99.00 to all students enrolled in a degree program who will have fulfilled their degree requirements by the end of the semester. This fee is paid after the student applies for graduation via their myWCU (https://my.wcupa.edu) account and is approved for graduation.

Course Audit Fee
Students who audit courses pay the same fees as students taking the courses for a letter grade.

Credit by Examination Fee (Undergraduate)
A charge is made to all students who register for a Credit by Examination through the Office of the Registrar (http://www.wcupa.edu/registrar). Each Credit by Examination course costs $92.00 or equivalent cost of the College Level Examination Program (CLEP).
Damage Fee
Students are charged for damage or loss of University property. This fee varies, depending on the extent of the damage.

Fees for Health and Physical Education Majors
Students in the B.S. degree programs in health and physical education must purchase uniforms at the University Bookstore. All students must be in proper uniform for activity classes.

Doctor of Nursing Practice Program Fee
Full-time students are charged $200.00 per semester; part-time students are charged $100 per semester.

Identification Card Fees (RAMeCARD)
The RAMeCARD will serve as a ticket to the offerings at Lawrence Food Court, Campus Corner, Convenience Stores, and Sykes Ram’s Head Food Court. The University charges a $12.00 fee to issue an identification card to each full- or part-time student. If this card is lost, stolen, or damaged, the student will be charged $15.00 for a replacement card. Damaged ID cards can be exchanged for a $10.00 fee. This fee is payable at the Student Services, Inc. (SSI) service center located on the ground level of Sykes Student Union.

Late Payment Fee
Students who fail to pay or submit their semester bills by their due date will be assessed a $50.00 late payment fee. Non-receipt of a bill does not relieve students of the responsibility of paying or submitting their bill by the due date. For those paying by mail, please allow sufficient time for payment to reach the University by the due date. Financial aid students who fail to confirm their attendance by the due date, even if no payment is due, will also be liable for this fee.

Late Registration Fee
All students who schedule during the late registration period are charged a $35.00 nonrefundable late registration fee.

Lost Key Replacement
Students who lose the key to their University-owned residence hall room, College Arms Apartment Complex rooms, or South Campus Apartment bedroom are charged a nonrefundable fee of $30.00 to replace the lock.

Music Audition Fee
Scheduling Fee: $20.00
Video Fee: $10.00

Music Instrument Rental Fees
Each student renting a musical instrument for a semester is charged $20.00 per instrument. Each student using a pipe organ for practice for one period each weekday is charged $36.00 per semester.

New Student Fee
All newly admitted undergraduate students, including transfers, will be assessed a one-time fee of $135.00 to attend orientation related services.

Parking Fees
The University charges a nonrefundable parking fee to students who are eligible to purchase a permit to use University parking lots. The current parking fee is $30.00 per year. Parking permits are available at the Department of Public Safety or on the Web at https://www.wcupa.edu/Permits/. Parking fines are assessed at $20.00 up to $40.00 depending on the violation.

Portfolio Assessment Fee
Equal to 50 percent of the per credit hour rate, this fee is charged to have a faculty member assess a student’s prior knowledge in a particular course.

Recording Fee
A $75.00 per hour recording fee will be charged for non-instructional recording, mixing, and editing services provided by the School of Music, such as promotional CDs, fund-raising projects, or recordings by nonacademic groups, e.g., barbershop quartets. No charge will be made for faculty/student recitals, ensemble performances, final theory/composition projects, or demonstration tapes for graduate school applications.

Study Abroad Application Fee
This $100.00 fee applies to students completing an online application to study or participate in an internship abroad. It will support resources for pre-departure advising, health, and safety assurances.

Transcript Fee
The fee for transcripts is $7.00 per copy. Transcript request forms are available in the Office of the Registrar (http://www.wcupa.edu/registrar).

Undergraduate Credit Crossover Registration
Students who are admitted to graduate study and need to take undergraduate course work to correct academic deficiencies are advised to enroll in undergraduate courses exclusively, and they will be billed undergraduate fees. Graduate students who are enrolled in graduate and undergraduate courses during the same semester will pay graduate fees for all course work. Further, all such courses or combinations are to appear on a single graduate transcript that includes a code or legend which differentiates between undergraduate and graduate courses.

PAYMENT INFORMATION

Payment of Fees
Students should receive fall semester bills by mid to late July and spring semester bills by the first week of December. All initial semester bills will be mailed to the students’ home address and sent electronically to the students’ official WCU e-mail address.

Mid-semester statements, including those for the Partial Payment Plan, will only be sent electronically to the student’s WCU e-mail address. Students will be required to check their WCU e-mail often for important dates and deadlines. For students who rely on parents/guardians to pay their bills, it is highly recommended that students select parents/guardians as authorized payers through the web-based QuikPAY system. Doing so will assure that both students and parents/guardians will receive notification e-mails when new bills/statements are available.

It is the responsibility of each student to pay/submit the semester bill by the due date. Students who fail to pay or submit their bill by the due date will be assessed a $50 late payment fee. Non-receipt of a semester bill does not relieve the student of the responsibility of paying/submitting the bill by the due date. Address changes should be made through myWCU. Be sure to allow sufficient time to reflect an accurate billing address.

Students who are receiving approved financial aid awards that fully cover or exceed the amount of their bills do not have to pay, but they must submit to the Office of the Bursar (http://www.wcupa.edu/bursar) the appropriate portion of their semester bill to complete registration. Fully covered financial aid students also have the option of activating their account online via myWCU. Failure to return the bill or activate/confirm attendance online, even if no payment is due, may result in the cancellation of registration/schedule and the assessment of late penalties. Students who cannot pay their bills in full by the due date may apply for partial payment (see Partial Payment Policy).

Failure to meet the payment deadline could result in cancellation of the student’s schedule. In order to have another schedule reinstated, the student would have to pay his or her bill in full as well as a $35 late registration fee.
Students who owe money to the University will have a **hold** placed on their accounts. If students do not clear the hold by paying the amount owed, it will cancel registration/scheduling for future semesters, prevent the release of transcripts, and prohibit graduation clearance. The University also may, at its discretion, invoke any other penalty appropriate for a particular case in which money is owed to the University.

### Partial Payment Policy

The University extends partial payment privileges to all students who are in good financial standing and have not defaulted on a previous payment plan. The nonrefundable fee charged for this service is $35 per semester. There is no payment plan for summer terms. Installment payments received late are subject to a $25 late payment fee. Partial payment statements will only be sent electronically to the student’s WCU e-mail address and authorized payer’s e-mail address. For more information about the plan offered, contact the Office of the Bursar (http://www.wcupa.edu/bursar) at 610-436-2552.

### Uncollectible Check Policy

A fee of $25 is charged for any paper check or e-check returned to the University for insufficient funds, stopped payment, or closed account. The University may, at its discretion, charge this fee for any check returned to it for any other reason.

The check will be returned to the student upon its replacement. Students who have two or more checks returned against their accounts will no longer be able to make payment by personal check; all future payments must be made by cash or certified check.

## REFUND INFORMATION

### Refund Policy

Please consult the Academic Calendar (http://www.wcupa.edu/registrar/calendar) for add/drop deadlines each semester. During the open enrollment period, if students drop classes which results in a change to their bill, **refunds will be processed automatically by the Office of the Bursar** (http://www.wcupa.edu/bursar). Appeals concerning the refund policy for tuition and the general fee are made to the Office of the Registrar (http://www.wcupa.edu/registrar). Appeals concerning the Housing or Meal Fee are made to the Office of Residence Life (http://www.wcupa.edu/residenceLife). Further appeals, if necessary, may be made to the Appeals Committee.

**The refund policy does not affect the time line for W grades as described under "Withdrawal from a Course" (p. 78).**

Individual fees will be refunded according to the policies described below.

### Tuition and General Fee Refunds

Full refunds for tuition and the general fee are available only through the add/drop deadline for a course. After that, tuition and the general fee are refunded according to the schedule below. Refer to the Academic Calendar (https://www.wcupa.edu/Registrar/calendar) for course-specific deadlines. These percentages apply to the total tuition bill, not to partial tuition payments. Questions about this, as well as when students will receive their refund, should be directed to the Office of the Bursar (http://www.wcupa.edu/bursar).

<table>
<thead>
<tr>
<th>Withdraw during</th>
<th>Receive tuition and general fees refund</th>
</tr>
</thead>
<tbody>
<tr>
<td>Through course add/drop deadline</td>
<td>100%</td>
</tr>
<tr>
<td>From add/drop through 12.50% of course length</td>
<td>80%</td>
</tr>
<tr>
<td>12.51% - 19.44% of course length</td>
<td>60%</td>
</tr>
<tr>
<td>19.45% - 26.39% of course length</td>
<td>50%</td>
</tr>
<tr>
<td>26.40% - 33.33% of course length</td>
<td>40%</td>
</tr>
<tr>
<td>Greater than 33.33% of course length</td>
<td>No refund</td>
</tr>
</tbody>
</table>

No refund will be given if the student:

1. Drops a course but retains full-time status,
2. Reduces his/her credit load after the end of the add/drop period but retains part-time status, or
3. Owes the University money.

### Technology Tuition Fee Refund

Only refundable in full if the student drops all courses by the end of the add/drop period for the session. This fee will not be refunded partially or in full for any courses dropped after the add/drop period.

### Housing Fee (University-Owned Housing) Refund

In full prior to the first day of the semester; after the first day of the semester, prorated refunds are made on an individual basis through the Office of Residence Life and Housing Services (http://www.wcupa.edu/residenceLife). For affiliated student housing, please contact the private management company (University Student Housing (http://www.wcupahousing.com)) operating the property.

### Meal Fee Refund

In full prior to the first day of the semester; after the first day of the semester, prorated refunds are made on an individual basis through the Office of Residence Life (http://www.wcupa.edu/residenceLife) for resident students, and through the Office of the Bursar (http://www.wcupa.edu/bursar) for commuter students.

## FINANCIAL AID

### Financial Aid Program

The financial aid program at West Chester University provides financial assistance and counseling to students who can benefit from further education, but who cannot obtain it without such assistance. Financial aid consists of gift aid in the form of scholarships or grants, and self-help aid in the form of employment or loans. The main responsibility for meeting educational expenses rests with students and their families. Financial aid is a supplement to family contribution and is to be used for educational expenses.

Eligibility for financial aid, with the exception of some scholarships, the Parent Loan Program, and some assistantships (graduate students), is based on demonstrated financial need. Family income, assets, and family size influence a student’s demonstrated financial need.

All documents, correspondence, and conversations among the applicants, their families, and the Office of Financial Aid (http://www.wcupa.edu/financialAid) are confidential and entitled to the protection ordinarily arising from a counseling relationship.

In order to receive financial aid, the student must

1. Be accepted for admission as a degree student enrolling at West Chester University, or, in the case of a student already attending the University, be enrolled and making satisfactory academic progress as a degree student. See the Financial Aid Office (http://www.wcupa.edu/financialAid) for a more detailed explanation of this requirement.

2. Submit a Free Application for Federal Student Aid (FAFSA) before February 15 for priority consideration. This application will be used to determine demonstrated financial need for the student. All students are encouraged to complete this application.

3. Apply for the a PA state grant on the FAFSA if the student is a PA resident. If the student lives out of state, he or she should check with his or her state agency about grant availability.

4. Submit any other requested documentation concerning financial and family circumstances that may be requested by the Office of Financial Aid, or any agency that administers financial assistance programs. Financial aid applicants may be required to submit

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tax transcripts of their IRS forms, and/or their parents’ forms, or various other income-related documents.

Submission of the above does not automatically entitle a student to receive financial aid. The Office of Financial Aid follows the regulations established by the federal and state governments in awarding aid. Aid applicants are ranked according to unmet need (based on budget, federal and state grants, and expected family contribution), and available funds are offered to the neediest students first. Students must apply for financial aid each academic year.

Unless otherwise specified, requests for scholarships, grants, loans, and employment opportunities described in this catalog should be made to the Office of Financial Aid. Application forms for state and federal grants are available online.

Questions concerning financial aid may be directed to the:
Office of Financial Aid (http://www.wcupa.edu/financialAid)
Kershner Student Service Center, Suite 30
25 University Avenue
West Chester University
West Chester, PA 19383
610-436-2627

Office hours:
8 a.m. to 4:30 p.m., Monday, Tuesday, Thursday, Friday
9 a.m. to 4:30 p.m., Wednesday
(The office closes at 4:00 daily during the summer.)

Student Consumer Rights and Responsibilities

You have the right to ask a school...

1. The names of its accrediting organizations.
2. About its programs; its instructional, laboratory, and other physical facilities; and its faculty.
3. What the cost of attending is and what its policies are on refunds to students who drop out.
4. What financial assistance is available, including information on all federal, state, local, private, and institutional financial aid programs.
5. What the procedures and deadlines are for submitting applications for each available financial aid program.
6. What criteria it uses to select financial aid recipients.
7. How it determines your financial need. This process includes how costs for tuition and fees, room and board, travel, books and supplies, personal and miscellaneous expenses, etc. are considered in your budget. It also includes what resources (such as parental contribution, other financial aid, your assets, etc.) are considered in the calculation of your need.
8. If you have a loan, what the interest rate is, the total amount that must be repaid, the length of time you have to repay the loan, when payments are to begin, and any cancellation and deferment provisions that apply.
9. If you are offered a work study job, what kind of job it is, what hours you must work, what your duties will be, what the rate of pay will be, and how and when you will be paid.
10. To reconsider your aid package, if you believe a mistake has been made.
11. How the school determines whether you are making satisfactory academic progress, and what happens if you are not.
12. What special facilities and services are available to the disabled.

You have the responsibility to...

1. Review and consider all information about a school’s program before you enroll.
2. Pay special attention to your application for student financial aid, complete it accurately, and submit it on time to the right place. Errors can delay your receipt of financial aid.
3. Provide all additional documentation, verification, corrections, and/or new information requested by either the Office of Financial Aid or the agency to which you submitted your application.
4. Read and understand all forms that you are asked to sign and keep copies of them.
5. Accept responsibility for the promissory note and all other agreements that you sign.
6. If you have a loan, notify the lender of changes in your name, address, or enrollment status.
7. Perform in a satisfactory manner the work that is agreed upon in accepting a college work study job.
8. Know and comply with the deadlines for application for aid.
9. Know and comply with your school’s refund procedures.

Federal Work Study Program

The Federal Work Study Program provides part-time employment to help students in need finance the cost of post secondary education. Students may be employed on campus; at a federal, state, or local public agency; or a private nonprofit organization. Application is made through the Free Application for Federal Student Aid (FAFSA) and the WCU Student Employment Application. The priority deadline is February 15th.

Federal Pell Grant

The Federal Pell Grant Program provides need-based grants to low-income undergraduate students to promote access to postsecondary education. Grant amounts are dependent on: the student’s expected family contribution (EFC); the cost of attendance (as determined by the institution); the student’s enrollment status (full-time or part-time); and whether the student attends for a full academic year or less. Students may not receive Federal Pell Grant funds from more than one school at a time. Interested students must file the Free Application for Federal Student Aid (FAFSA). WCU’s priority deadline is February 15 of the current academic year.

Federal Supplemental Educational Opportunity Grant (FSEOG)

The Federal Supplemental Educational Opportunity Grant (FSEOG) program provides grants for undergraduate students with exceptional financial need. Students who will receive Federal Pell Grants and have the most financial need will receive FSEOG funds first. Students must file the Free Application for Federal Student Aid (FAFSA). The priority deadline is February 15.

State Grants

The Pennsylvania Higher Education Assistance Agency (PHEAA) awards state grants to students who are Pennsylvania residents and who demonstrate need on the FAFSA. Students must be enrolled for at least 6 credits per semester in an undergraduate degree program to qualify, and not more than 50% of those credits per semester can be online courses. First-time applicants must complete additional information requested by the Agency before grant eligibility can be determined. In accordance with PHEAA policy, state grant recipients must successfully complete 24 credits per year for each full-time year of state grant awarded. The FAFSA must be filed by May 1 of each year to meet the state grant deadline.

Other states award grants to their residents to attend Pennsylvania schools. These states include Delaware, the District of Columbia, Ohio, Massachusetts, Vermont and West Virginia. Eligibility requirements vary by state. Students should contact their agencies in these states for more information.
Direct Loan Programs

Direct Loans are low-interest loans for students and parents to help pay for the cost of a student's education. The lender is the U.S. Department of Education rather than a bank or other financial institution.

To be eligible for a loan, a student must do the following:

1. Be enrolled or accepted in a degree program
2. File a Free Application for Federal Student Aid (http://fafsa.gov) (FAFSA)
3. Maintain satisfactory academic progress
4. Be classified as at least a half-time student

Subsidized loans are for undergraduate students with demonstrated financial need, as determined by federal regulations. No interest is charged while a student is in school at least half-time, during the grace period, and during deferment periods. Direct Loans do not require a credit check.

The federal government also limits the amount of money that can be borrowed each academic year. Annual loan limits are $5,500 for first-year students, $6,500 for second-year students and $7,500 for undergraduate students who have completed two years. Independent students may borrow additional unsubsidized funds: up to $4,000 per year for their first two years, and up to $5,500 per year after they have completed two years. The total maximum indebtedness for a dependent undergraduate is $31,000 with $23,000 being subsidized and $7,500 for independent students with $23,000 being subsidized. The maximum loan per academic year for graduate students is $20,500. Subsidized loans are for undergraduate students with demonstrated financial need.

Direct Graduate PLUS Loan

Graduate students may borrow under the PLUS program up to their cost of attendance, minus other financial aid received. Each borrower must do the following:

1. Be enrolled or accepted in a graduate degree program
3. Maintain satisfactory academic progress
4. Be classified as at least a half-time student

For further information contact the Financial Aid Office (http://www.wcupa.edu/financialAid) at 610-436-2627 or finaid@wcupa.edpl (finaid@wcupa.edu).

Direct Parent Loan for Undergraduate Students (PLUS)

Through the Direct PLUS program, parents may borrow up to the cost of education minus other aid for each dependent student attending a post secondary educational institution for each academic level. Interest rates are determined each spring for new loans being made for the upcoming award year, which runs from July 1 to the following June 30. Each loan will have a fixed interest rate for the life of the loan. Borrowers may defer payments while the student is enrolled at least half time. Application is made online at www.studentloans.gov (http://www.studentloans.gov).

Withdrawal/Enrollment Change and Aid

Students who officially withdraw or change their enrollment status may be entitled to a refund of certain fees, in accordance with University policy (see "Refund Information (p. 20)" section). If the student has been awarded financial aid for the semester in which the withdrawal or enrollment change occurs, a portion of the refund will be returned to financial aid program funds. When aid is returned, the student may owe a debit balance to the University. The student should contact the Office of the Bursar (http://www.wcupa.edu/bursar) to make arrangements to pay the balance.

Financial aid refunds due to withdrawals or enrollment changes are processed in accordance with federal, state, and awarding agency guidelines and regulations. A student considering withdrawal or an enrollment status change should consult the Office of Financial Aid (http://www.wcupa.edu/financialAid) to determine the impact of that action on current and future financial aid.

Title IV Federal Financial Aid Compliance Policy

The administration of federal financial student aid under Title IV of the Higher Education Act requires universities to determine whether or not financial aid must be returned for Title IV recipients who withdraw (officially or unofficially) during the term. Proper calculation for the return of Title IV funds is dependent upon verifying attendance in academically related activities.

Attendance under Title IV regulations is defined more broadly than physically attending a class, and must be verified independent of an instructor’s individual course attendance policy. That is, even if an instructor does not require students to physically attend class, active participation in the course must be verified. This verification will be captured at two points during the semester, once at the end of the add/drop period, and again at the point when 60 percent of the term is completed.

Students who stop attending a course and fail to officially withdraw from it will receive a grade of Z, which indicates that the student was not engaged in academically related activities in the course. This also represents an unofficial withdrawal from the course. Students with unofficial course withdrawals may no longer be eligible for the full amount of Title IV funds that the student was originally scheduled to receive. The withdrawal date is set as the last date of an academically related activity in which the student participated.

Faculty will utilize their attendance verification roster in myWCU to electronically report whether their students are in good attendance. During the two attendance periods, faculty need to consider whether a student has been engaged in academically related activities for their course. A student’s absence from class on the attendance day is not the only factor to consider when noting attendance. The following guidelines have been developed to assist faculty and students in understanding what types of academically related activities should be considered when determining whether a student is in good attendance for the course. In the event that the student fails a course, faculty will be asked to report the date of last attendance.

Academically related activities include but are not limited to:

- Physically attending a class where there is an opportunity for direct interaction between the instructor and students;
- Submitting an academic assignment;
- Taking an exam, an interactive tutorial, or computer-assisted instruction;
- Attending a study group that is assigned by the instructor;
- Participating in an online discussion about academic matters;
• Initiating contact with a faculty member to ask a question about the academic subject studied in the course; and,
• Reporting to internship, practicum, or field experience site.
Academically related activities do not include activities where a student may be present but not academically engaged, such as:
• Living in institutional housing;
• Participating in the university's meal plan;
• Logging into an online class without active participation; or,
• Participating in academic counseling or advisement.

Academically related activity for distance education courses: In a distance education context, documenting that a student has logged into an online class is not sufficient, by itself, to demonstrate academic attendance by the student. The faculty member must determine whether a student participated in class or was otherwise engaged in an academically related activity. Academically related activities in a distance education course include but are not limited to:
• Student submission of an academic assignment;
• Student submission of an exam;
• Documented student participation in an interactive tutorial or computer-assisted instruction;
• A posting by the student showing the student's participation in an online study group that is assigned by the instructor;
• A posting by the student in a discussion forum showing the student's participation in an online discussion about academic matters; and,
• An email from the student or other documentation showing the student initiated contact with a faculty member to ask a question about the academic subject studied in the course.

UNDERGRADUATE SCHOLARSHIPS AND AWARDS

University admittance through the Office of Admissions is required in order to apply for scholarships. However, students are welcome to search for scholarship opportunities on the Search and Application website at any time. Keep in mind that not all applications are available at the same time, so it is important to periodically check for any updates.

Questions regarding the scholarship website or the scholarship process in general can be directed to the Office of Financial Aid at 610-436-2627 or finaidsch@wcupa.edu. Go to https://wcupa.scholarships.ngwebsolutions.com/ to search and/or apply for available scholarships. Then follow the instructions found on the related page.

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Tabetha Adkins, Associate Provost for Student Success and Dean of University College
Amanda Phillips, Associate Dean for Graduate Studies
Joseph Santivasci, Associate Provost for Enrollment Management & Campus Planning
Lisa Yannick, Associate Vice President for Institutional Effectiveness
Megan Jerabek, University Registrar and Assistant Vice President for Academic Systems

Academic Development Program (http://www.wcupa.edu/adp)
Learning Assistance and Resource Center (http://www.wcupa.edu/larc)
Honors College (http://www.wcupa.edu/honorscollege)
Office of Services for Students with Disabilities (http://www.wcupa.edu/owsd)
Exploratory Studies (http://www.wcupa.edu/advising)

College of Arts and Humanities

Jen Bacon, Dean
K. Hyojein Yoon, Senior Associate Dean
Jon Esser, Associate Dean

Undergraduate programs in the College of Arts and Humanities (http://catalog.wcupa.edu/undergraduate/arts-humanities)
Graduate programs in the College of Arts and Humanities (http://catalog.wcupa.edu/graduate/arts-humanities)
Art + Design
Communication and Media
English
History
Languages and Cultures
Philosophy
Theatre and Dance
Women’s and Gender Studies

College of Business and Public Management
Evan Leach, Dean
Lori Fuller, Faculty Associate to the Dean
Cindy Cheyney, Assistant Dean

Undergraduate programs in the College of Business and Public Management
(https://catalog.wcupa.edu/undergraduate/business-public-management)
Graduate programs in the College of Business and Public Management
(https://catalog.wcupa.edu/graduate/business-public-management)
Accounting
Criminal Justice
Economics and Finance
Geography and Planning
Management
Marketing
Public Policy and Administration

College of Education and Social Work
Kenneth D. Witmer, Jr., Dean
David Bell, Associate Dean for Curriculum and Accreditation

Undergraduate programs in the College of Education and Social Work
(https://catalog.wcupa.edu/undergraduate/education-social-work)
Graduate programs in the College of Education and Social Work
(https://catalog.wcupa.edu/graduate/education-social-work)
Counselor Education
Early and Middle Grades Education
Educational Foundations and Policy Studies
Graduate Social Work
Literacy
Special Education
Undergraduate Social Work

College of Health Sciences
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Melissa Reed, Interim Associate Dean

Undergraduate programs in the College of Health Sciences
(https://catalog.wcupa.edu/undergraduate/health-sciences)
Graduate programs in the College of Health Sciences
(https://catalog.wcupa.edu/graduate/health-sciences)
Communication Sciences and Disorders
Health
Kinesiology
Nursing
Nutrition
Sports Medicine

College of the Sciences and Mathematics
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Vishal Shah, Associate Dean
Lisa Marano, Dean’s Assistant for Student Issues

Undergraduate programs in the College of the Sciences and Mathematics
(https://catalog.wcupa.edu/undergraduate/sciences-mathematics)
Graduate programs in the College of the Sciences and Mathematics
(https://catalog.wcupa.edu/graduate/sciences-mathematics)
Anthropology and Sociology
Biology
Chemistry
Computer Science
Earth and Space Sciences
Mathematics
Physics and Engineering
Political Science
Psychology

School of Music
Chris Hanning, Dean

Undergraduate programs in the School of Music
(https://catalog.wcupa.edu/undergraduate/school-of-music)
Graduate programs in the School of Music
(https://catalog.wcupa.edu/graduate/school-of-music)
Applied Music
Music Education
Music Theory, History, and Composition

University Libraries
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Francis H. Green Library (http://www.wcupa.edu/library)
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*BERNICE BERNATZ, Dean of Women
ROBERT BERNHARDT, Biology
F. ROBERT BIELSKI, Geography and Planning
WALTER R. BLAIR, Educational Services
*JAMES A. BINNEY, English
*MARY M. BLISS, Biology
ARVID BLOOM, Psychology
M ARIA BOES, History
GAIL BOLLIN, Early and Middle Grades Education
ERMINIO BRAIDOT TI, Languages and Cultures
RICHARD BRANTON, Mathematics
JUSTO B. BRAVO, Chemistry
PATRICIA BRODERICK, Health
WALTER E. BUECHELE, JR., Counselor, Secondary, and Professional Education
H. JAMES BURGWYN, History
MARY ANNE BURNS-DUFFY, Government Documents
*ROBERT E. CARLSON, History
*PAUL E. CARSON, Music
*DIANE O. CASAGRANDE, Communication Studies
CONRAD E. CHALICK, Counseling
NONA E. CHERN, Childhood Studies and Reading
PAUL CHRIST, Marketing
K. ELEANOR CHRISTENSEN, Childhood Studies and Reading
T. HUNG CHU, Management
CARMELA L. CINQUINA, Biology
MARY E. CLEARY, Education
GEORGE CLAGHORN, Philosophy
*JOHN W. CLOKEY, Dean of Arts and Letters
BARBARA J. COATES, Physical Education
BERNARD B. COHEN, Psychology
*FAYE A. COLLICOTT, Librarian
GERALDINE C. CONBEER, Librarian
JOANNE CONLON, Education Service, Pre-Major Advising
STELLA CONWAY, Vocal and Choral Music
EDWIN B. COTTRELL, Health and Physical Education
*GEORGE R. CRESSMAN, Education
GEORGANN CULLEN, Biology
LAWRENCE DAVIDSON, History
ELI DEHOPE, Undergraduate Social Work
*KATHERINE M. DENWORTH, Education
PHILLIP DONLEY, Health and Physical Education
RAYMOND A. DOYLE, History
MARTHA DROBNAK, Early & Middle Grades Education
PHILLIP K. DUNCAN, Psychology
MARC L. DURAND, Chemistry
ANNE O. DZAMBA, History
CELIA ESPLUGAS, Languages and Cultures
*MARK M. EVANS, Director of Student Teaching
JAMES FALCONE, Chemistry
*MARION FARNHAM, Art
*RUTH FELDMAN, Psychology
*ALBERT E. FILANO, Vice President for Academic Affairs and Mathematical Sciences
JUDITH FINKEL, Early Childhood and Special Education
*BYRON Y. FLECK, Dean of Social Sciences
*CLAUDE FOSTER, History
*THOMAS J. FRANCESCA, Criminal Justice
HOWARD FREEMAN, Counseling
BONITA FREEMAN-WITHWORTH, Anthropology and Sociology
RAYMOND FRIDAY, Applied Music
JOHN FURLONG, Physical Education
ANGELO GADALETO, Counselor Education
CLYDE GALBRAITH, Accounting
CHARLES GANGEMI, Keyboard Music
CHARLOTTE M. GOOD, Education
*ROBERT B. GORDON, Sciences
*ANNE M. GOSHEN, Psychology
*MIRIAM S. GOTTLOB, Music
ANDREW GOUDET, Chemistry
ROBERT GREENE, Foreign Languages
*SEYMOUR S. GREENBERG, Geology
*THELMA J. GREENWOOD, Biology
FRANK GROSSHANS, Mathematics
MADELYN GUTWIRTH, Foreign Languages
*SAUNDRA M. HALL, Theatre Arts
*H. THEODORE HALLMAN, Art
LINDA HANNA, Early & Middle Grades Education
JOAN HASSELQUIST, Childhood Studies and Reading
*JACK GARDNER HAWTHORNE, Art
*CHARLES W. HEATHCOTE, Social Sciences
*THOMAS J. HEIM, Social Sciences
*FRANK Q. HELMS, Library
THOMAS HESTON, History
WILLIAM HEWITT, History
WALTER J. HIPPLE, Philosophy
*PHILIP P. HOGGARD, Education
*PATRICIA CARLEY JOHNSON, History
EMLYN JONES, Kinesiology
JAMES JONES, History
MILDRED JOYNER, Social Work
PAMELA JUDSON-RHODES (HEMPHILL), Art
MAUREEN KNABB, Physics
WALLACE KAHN, Professional and Secondary Education
*CAROLYN B. KEEFE, Communication Studies
*MARY KEETZ, Literacy
NELSON KEITH, Sociology
JAMES KELLEHER, English
JOHN KERRIGAN, Mathematics
*W. GLENN KILLINGER, Dean of Men
*CHARLOTTE E. KING, Childhood Studies and Reading
EUGENE KLEIN, Applied Music
SHARON KLETZIEN, Literacy
MARY L. KLINE, Nursing
DENNIS R. KLINZING, Communication Studies
*CARRIE C. KULP, Education
PETER KYPER, Educational Services
*GEORGE LANGDON, Geography and Planning
KENNETH LAUDERMILCH, Applied Music
*MURIEL LEACH, Health and Physical Education
JAMES E. L'HEUREUX, Mathematics
*MELVIN M. LORBACK, Physical Education
MARY ANN MAGGITTI, Education
SANDRA F. MATHER, Geology and Astronomy
GEORGE MAXIM, Elementary Education
*GRACE D. MCCARTHY, English
LYNETTE F. MCGRATH, English
JAMES MCVoy, Music Theory and Composition
*EMIL H. MESSIKOMER, Dean
JAMES S. MILNE, Political Science
FRANK MILLIMAN, Mathematics
*LLOYD C. MITCHELL, Dean of Music
EDMUNDO MORALES, Anthropology/Sociology
WILLIAM M. MOREHOUSE, Theatre Arts
SHIRLEY A. MUNGER, Music
STERLING E. MURRAY, Music History
ROGER MUSTALISH, Health
KOSTAS MYRSIADES, English
LINDA MYRSIADES, English
ALI NAGGAR, Accounting
TAHANY NAGGAR, Economics and Finance
LARRY NELSON, Music Theory, History, and Composition
*DOROTHY R. NOWACK, Health
*BERNARD S. OLDSEY, English
C. JACK ORR, Communication Studies
*WILLIAM R. OVERLEASE, Biology
JACK A. OWENS, Health and Physical Education
PRAXITELES PANDEL, Music
REBECCA PAULY, Languages and Cultures
MICHAEL PEICH, English
RUTH PETKOFSKY, Childhood Studies and Reading
THOMAS PLATT, Philosophy
LOUIS PORTER, Psychology
CHARLES PRICE, Music History
CAROL RADICH, Elementary Education
*DOROTHY RAMSEY, English
GEORGE F. REED, Geology and Astronomy
N. RUTH REED, Health
ARLENE RENGERT, Geography and Planning
RUSSELL K. RICKERT, Physics and Dean of Sciences and Mathematics
WALTER NATHANIEL RIDLEY, Education
*ALFRED D. ROBERTS, Foreign Languages
RONALD F. ROMIG, Biology
*B. PAUL ROSS, Education
*PHILIP B. RUDNICK, Chemistry
*HELEN RUSSELL, Library Science
C. RUTH SABOL, English
*GLENN W. SAMUELSON, Anthropology and Sociology
HAROLD R. SANDS, Psychology
HARRY SCHALK, History
*GERTRUDE K. SCHMIDT, Music
LEIGH SHAFFER, Anthropology and Sociology
JOHN SHEA, Political Science
MAURA SHEEHAN, Health
*JANE E. SHEPPARD, Vocal and Choral Music
*IRENE G. SHUR, History
*CAROLYN G. SIMMENDINGER, Art
W. CLYDE SKILLEN, Biology
HONORARY DEGREES

Honorary Degrees

1984
ANDREW WYETH, Doctor of Humane Letters

1993
EMILIE KESSEL ASPLUNDH, Doctor of Public Service
CONSTANCE E. CLAYTON, Doctor of Public Service

1994
DAVID P. ROSELLE, Doctor of Law
CHARLES E. SWOPE, Doctor of Public Service

1995
WILLIAM A. BOUCHER, Doctor of Public Service

1996
CURT WELDON, Doctor of Public Service
ELINOR Z. TAYLOR, Doctor of Public Service

1997
JACOB LAWRENCE, Doctor of Fine Arts

1998
CHAIM POTOK, Doctor of Humane Letters
MARIAN WASHINGTON, Doctor of Public Service

1999
PASQUALE W. "PAT" CROCE, JR., Doctor of Public Service
CLIFFORD E. DeBAPTISTE, Doctor of Law

2000
DAVID P. HOLVECK, Doctor of Public Service
IRWIN H. POLISHOOK, Doctor of Public Service

2001
ALAN G. MACDIARMID, Doctor of Science
F. EUGENE DIXON, JR., Doctor of Public Service

2003
LISA SCOTTOLINE, Doctor of Law

2004
DANA GIOIA, Doctor of Humane Letters
JAMES M. RUBILLO, Doctor of Science

2005
HOWARD DODSON, Doctor of Humane Letters

2006
MOLLY D. SHEPARD, Doctor of Humane Letters
FELIX ZANDMAN, Doctor of Science

2007
CAROL WARE GATES, Doctor of Public Service

2009
RICHARD D. MERION, Doctor of Public Service

2011
MEHMET OZ, Doctor of Public Service
STANLEY WEINTRAUB, Doctor of Letters

2012
FRANCES HESSELBEIN, Doctor of Public Service
J. CURTIS JOYNER, Doctor of Laws
DONALD R. McILVAIN, Doctor of Public Service

2014
MARTHA FORD McILVAIN, Doctor of Public Service
HONORARY DEGREES

WEST CHESTER UNIVERSITY

BAYARD RUSTIN, Doctor of Public Service (posthumous) 2015
RUBY NELL SALES, Doctor of Public Service 2016
KARL J. KUERNER, Doctor of Public Service

President’s Medallion for Service

1986
EMILIE KESSEL ASPLUNDH
JANICE WEIR ETSHIED
W. GLENN KILLINGER
1987
THOMAS B. CHAMBERS
T. FRANK GANNON
WILLIAM E. HUGHES
MICHAEL J. JONES
SARA L. SCHMID
KURT STRAUSS
1989
ATSUSHI MINOHARA
MASAYOSHI TANAKA
1990
CLIFFORD E. DeBAPTISTE
1991
MORGAN DOWD
ADELYENE KELLY
ALVY KELLY
1992
STANLEY J. YAROSEWICK
1993
ALBERT E. FILANO
1994
JAMES L. LARSON
F. JOSEPH LOEPER
1995
CARLOS R. ZIEGLER
1997
RAY M. MINCARELLI, JR.
ROSANNE D. MINCARELLI
1998
HENRY A. JORDAN
BARBARA M. JORDAN
JOHN F. UNRUH
1999
LITTLERON G. MITCHELL
2000
MURIEL BERMAN
LARRY MENDTE
2002
MARTIN R. BERNDT
2004
DONALD MCLIVAIN
MARThA FORD MCLIVAIN
2006
MARY RITA FILANO
2007
JANE HOFFER FEATHERMAN
JOHN A. FEATHERMAN III
BRUCE A. STEVENS
2008
ANTHONY DiBONAVENTURA
2009
EMILY JANE LEMOLE
GERALD LEMOLE
SANDRA PRITCHARD MATHER
2010
MAURY HOBERMAN
2011
DONALD LEISEY
KEAN SPENCER
2012
BERNARD J. CARROZZA
JAMES E. McERLANE
2013
MILLIE C. CASSIDY
RICHARD B. YODER
2014
CARMEN EVANS CULP
LAWRENCE A. DOWDY
2015
ANDREW E. DNNIMAN
ROBERT M. TOMLINSON
2016
DAVID P. HOLVECK
PATRICIA HOLVECK
VINCENT SUPPAN
2017
KARL HELICHER
ELIZABETH A. GONTARZ
JOHN A. GONTARZ

Council of Trustees Achievement Awards

1985
FRANK GROSSHANS
CHARLES C. SOUFAS, JR.
1986
RICHARD W. FIELDS
1987
MARSHALL J. BECKER
WAclAW SZYMANSKI
1989
CHRISTOPHER BUCKLEY
LARRY A. NELSON
1990
PAUL STOLLER
1992
MARY E. CRAWFORD
1995
RICHARD E. BLAKE
FRANK E. FISH
1996
JEROME M. WILLIAMS
1997
STERLING E. MURRAY
1998
KOSTAS MYRSIADES
2000
RICHARD EPSTEIN
CLAUDE FOSTER
2001
RUSSELL VREELAND  
2002  
STACEY SCHLAU  
2003  
MICHAEL A. PEICH  
2004  
ROBERT MAGGIO  
2005  
KARIN VOLKWEIN  
2006  
SANDRA FOWKES-GODEK  
2007  
C. JAMES TROTMAN  
2008  
LYNDA BALOCHE  
2009  
LISA KIRSCHENBAUM  
2010  
MARK RIMPLE  
2012  
VIOREL NITICA  
2013  
CHARLES HARDY  
2014  
ELEANOR BROWN  
2015  
KURT KOLASINSKI  
2017  
ROBERT GALLOP

**Distinguished Teaching Chairs**

1982 - 1983  
FRANK A. SMITH  
JANE B. SWAN

**Faculty Merit Awards**

1982 - 1983  
DIANE O. CASAGRANDE  
MARY A. KEETZ  
JANE E. SHEPPARD  
CHARLES H. STUART  
1983 - 1984  
ELIZABETH A. GIANGIULIO  
KOSTAS MYRSIADES  
LOIS WILLIAMS  
1984 - 1985  
FRANK E. MILLIMAN  
RUTH I. WEIDNER  
1986 - 1987  
G. WINFIELD FAIRCCHILD  
KOSTAS MYRSIADES  
1987 - 1988  
WALLACE J. KAHN  
STERLING E. MURRAY  
ARLENE C. RENGERT  
1988 - 1989  
PAMELA HEMPHILL  
1989 - 1990  
MADELYN GUTWIRTH  
JOAN HASSELQUIST  
1990 - 1991  
BENJAMIN WHITTEN  
1991 - 1992  
CHRISTOPHER BUCKLEY  
1992 - 1993  
WILLIAM TOROP  
1993 - 1994  
LOUIS CASCATO  
1995 - 1996  
T. OBINKARAM ECHEWA  
PHILIP RUDNICK  
1996 - 1997  
RICHARD E. BLAKE  
REBECCA PAULY  
ELISE A. TRIANO  
1997 - 1998  
H. JAMES BURGWYN  
JAŚMIN T. MCCONATHA  
1998 - 1999  
DONNA L. USHER  
PAUL A. STOLLER  
1999 - 2000  
LEIGH SHAFFER  
RICHARD WOODRUFF  
2000-2001  
MARTHA POTVIN  
KARIN VOLKWEIN  
2001-2002  
RONALD GOUGHER  
2002 - 2003  
FRANK E. FISH  
C. GIL WISWALL  
2003 - 2004  
HELEN BERGER  
GAIL GALLITANO  
2004 - 2005  
CLYDE GALBRAITH  
FRANK HOFFMAN  
2005 - 2006  
WEI WEI CAI  
FRANK HOFFMAN  
2006 - 2007  
JOHN BAKER  
V. KRISHNA KUMAR  
2008 - 2009  
GOPAL SANKARAN  
2009 - 2010  
VIRGINIA DA COSTA

**Lindback Distinguished Teaching Award**

1998  
ERMINIO BRAIDOTTI  
1999  
SUSAN C. SLANINKA  
2000  
W. BENNETT PETERS  
2001  
ANNE-MARIE MOSCATELLI  
2002
HONORARY DEGREES

GAIL BOLLIN
2005
DENA BEEGHLY
2006
CHARLES GROVE
2007
DOUGLAS McCONATHA
2008
MARGARETE LANDWEHR
2009
ELIZABETH LEEANN SROGI
2010
ROBERT MAGGIO
2011
CHRISTIAN V. PENNEY
2012
KEVIN DEAN
2013
LINDA STEVENSON
2014
RICHARD VOSS
2015
NADINE BEAN
2016
ALEXANDER ROZIN
2017
JOHN PISCIOTTA
2018
ANDREW SNYDER

E. Riley Holman Memorial Faculty Award
2011
MICHAEL BOYLE
2012
LYNDA BALOCHE/CONNIE DiLUCCHIO (jointly awarded)
LINDA HANNA
2013
DONNA SANDERSON
2014
KAREN JOHNSON AND LISA LUCAS (jointly awarded)
CLAIRE VERDEN
2015
JANNEKEN SMUCKER AND CHARLES HARDY, III (jointly awarded)

Distinguished Sponsored Research Award
2002
JOHN KINSLOW
2003
PAUL STOLLER
2004
RICHARD I. WOODRUFF
2005
FRANK E. FISH
2007
LISA KIRSCHENBAUM
2013
KEVIN APTOWICZ
2015
FELIX GOODSON
2016
ELIZABETH GRILLO
2017
GRAHAM MACPHEE
2018
MARK MCKIBBEN

Irving Hersch Cohen Faculty Merit Award
1990
DOROTHY NOWACK
1991
GEORGE CLAGHORN
1993
JUDITH FINKEL
1994
RICHARD VELETA
1995
DEBORAH MAHLSTEDT
1997
IRENE G. SHUR
1998
DIANE O. CASAGRANDE
1999
JOHN J. TURNER
2001
ROBERT MAGGIO
KENNETH L. LAUDERMILCH
2002
HENRY GRABB
2003
DAVID SPRENKLE
2004
JAMES MCOY
2005
CARL CRANMER
2006
OVIDIU MARINESCU
2007
LARRY NELSON
2008
JOHN VILLELLA
2009
CHRISTOPHER HANNING
2010
MARIA PURCIELLO
2011
EMILY BULLOCK

Distinguished Faculty Awards
1974 - 1975
THOMAS A. EGAN, Teaching
E. RILEY HOLMAN, Teaching
MICHAEL A. PEICH, Teaching
1975 - 1976
WALTER E. BUECHELE, JR., Service
CARMELA L. CINQUINA, Service
PHILLIP B. DONLEY, Service
### Course Prefix Guide

Many program descriptions in this catalog refer to courses offered by other departments using a course abbreviation called a prefix. In addition, some course prefixes do not use the logical initials of the courses to which they refer (e.g., ABC is used to indicate instrumental music courses). To assist in locating the department or program which uses each prefix, the following guide to course prefixes is provided.

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Description</th>
<th>Department/Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABC</td>
<td>Brass</td>
<td>Applied Music</td>
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<tr>
<td>ACC</td>
<td>Accounting</td>
<td>Accounting</td>
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<td>AEB</td>
<td>Band</td>
<td>Applied Music</td>
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<td>AEO</td>
<td>Orchestra</td>
<td>Applied Music</td>
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<td>AES</td>
<td>Music Ensemble</td>
<td>Applied Music</td>
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<td>AIC</td>
<td>Conducting</td>
<td>Applied Music</td>
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<td>AIM</td>
<td>Special Subjects in Instrument</td>
<td>Applied Music</td>
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<td>AJZ</td>
<td>Jazz</td>
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<td>ALC</td>
<td>Instrumental Literature</td>
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<td>AMA</td>
<td>Applied Music Arts</td>
<td>Applied Music</td>
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<td>AMC</td>
<td>Instrumental Master Class</td>
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<td>AME</td>
<td>Music Ensembles for Minors</td>
<td>Applied Music</td>
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<td>AMF</td>
<td>Music Foundations for Minors</td>
<td>Applied Music</td>
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<td>AML</td>
<td>Live Performance Music</td>
<td>Applied Music</td>
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<td>ANT</td>
<td>Anthropology</td>
<td>Anthropology &amp; Sociology</td>
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<tr>
<td>APC</td>
<td>Percussion</td>
<td>Applied Music</td>
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<td>APM</td>
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<td>ARA</td>
<td>Arabic</td>
<td>Languages and Cultures</td>
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<td>ARB</td>
<td>Arabic</td>
<td>Languages and Cultures</td>
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<td>ARC</td>
<td>Instrumental Repertoire</td>
<td>Applied Music</td>
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<td>ARH</td>
<td>Art History</td>
<td>Art + Design</td>
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<td>ART</td>
<td>Art</td>
<td>Art + Design</td>
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<td>ASC</td>
<td>Instrumental Strings</td>
<td>Applied Music</td>
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<td>ASL</td>
<td>American Sign Language</td>
<td>Kinesiology</td>
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<td>AWC</td>
<td>Instrumental Reeds</td>
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<td>BAR</td>
<td>Baritone</td>
<td>Applied Music</td>
</tr>
</tbody>
</table>

### Civility Award

1999 - 2000  
HERB LEE

2000 - 2001  
STEVE QUIGLEY

2001 - 2002  
DIANE DEVESTERN

2002 - 2003  
MILDRED JOYNER

2003 - 2004  
ALICE CONWAY

2004 - 2005  
JACQUELINE HODES

2005 - 2006  
MARY ANNE BURNS-DUFFY

2006 - 2007  
GOPAL SANKARAN

2007 - 2008  
WEI WEI CAI

2008 - 2009  
JOHN BAKER

2009 - 2010  
MONICA LEPORÉ

2010 - 2011  
DARLA S. COFFEY

2011 - 2012  
MARGARET TRIPP

2012 - 2013  
PETER LOEDEL

2013 - 2014  
GRACE KELLY

2014-2015  
CAROLE DEEMER

2015-2016  
LARRY DOWDY

**Dean’s Award for Teaching Excellence in General Education**

2015  
BESSIE LAWTON

**Campus Diversity Award**

2017  
ELI DEHOPE

**Dean’s Award for Teaching Excellence in General Education**

2015  
BESSIE LAWTON

2000 - 2001  
STEVE QUIGLEY

2001 - 2002  
DIANE DEVESTERN

2002 - 2003  
MILDRED JOYNER

2003 - 2004  
ALICE CONWAY

2004 - 2005  
JACQUELINE HODES

2005 - 2006  
MARY ANNE BURNS-DUFFY

2006 - 2007  
GOPAL SANKARAN

2007 - 2008  
WEI WEI CAI

2008 - 2009  
JOHN BAKER

2009 - 2010  
MONICA LEPORÉ

2010 - 2011  
DARLA S. COFFEY

2011 - 2012  
MARGARET TRIPP

2012 - 2013  
PETER LOEDEL

2018-2019 UNDERGRADUATE CATALOG 53
<table>
<thead>
<tr>
<th>Course Prefix</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BAS</td>
<td>Bass Applied Music</td>
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<tr>
<td>BIL</td>
<td>Biology Lab Biology</td>
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<td>BIO</td>
<td>Biology Biology</td>
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<td>BLA</td>
<td>Business Administration Accounting</td>
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<td>BSN</td>
<td>Bassoon Applied Music</td>
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<td>CHE</td>
<td>Chemistry Chemistry</td>
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<td>CHI</td>
<td>Chinese Languages and Cultures</td>
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<tr>
<td>CHO</td>
<td>Choir Applied Music</td>
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<tr>
<td>CLS</td>
<td>Comparative Literature Studies English</td>
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<tr>
<td>CLT</td>
<td>Clarinet Applied Music</td>
</tr>
<tr>
<td>COM</td>
<td>Communication Studies Communication and Media</td>
</tr>
<tr>
<td>CPL</td>
<td>Civic Professional Leadership Honors College</td>
</tr>
<tr>
<td>CRJ</td>
<td>Criminal Justice Criminal Justice</td>
</tr>
<tr>
<td>CRL</td>
<td>Chemistry Lab Chemistry</td>
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<tr>
<td>CRW</td>
<td>Creative Writing English</td>
</tr>
<tr>
<td>CSC</td>
<td>Computer Science Computer Science</td>
</tr>
<tr>
<td>CSD</td>
<td>Communication Sciences and Disorders Communication Sci &amp; Disorders</td>
</tr>
<tr>
<td>CST</td>
<td>Computer Science-Technology Computer Science</td>
</tr>
<tr>
<td>CSW</td>
<td>Computer Software Computer Science</td>
</tr>
<tr>
<td>DAN</td>
<td>Dance Theatre and Dance</td>
</tr>
<tr>
<td>DHM</td>
<td>Digital Humanities &amp; New Media English</td>
</tr>
<tr>
<td>DPA</td>
<td>Doctor of Public Administration Public Policy and Administration</td>
</tr>
<tr>
<td>DST</td>
<td>Deaf Studies Kinesiology</td>
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<td>EAR</td>
<td>Arabic Culture Languages and Cultures</td>
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<tr>
<td>ECE</td>
<td>Early Childhood Education Early and Middle Grades Ed.</td>
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<tr>
<td>ECH</td>
<td>Chinese Literature and Culture Languages and Cultures</td>
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<tr>
<td>ECO</td>
<td>Economics Economics and Finance</td>
</tr>
<tr>
<td>EDA</td>
<td>Special Education Special Education</td>
</tr>
<tr>
<td>EDC</td>
<td>Counselor Education Counselor Education</td>
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<tr>
<td>EDD</td>
<td>Doctor of Education Education Policy, Planning Adm</td>
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<tr>
<td>EDE</td>
<td>Educator Development Early and Middle Grades Ed.</td>
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<tr>
<td>EDF</td>
<td>Educational Foundations Educational Found. &amp; Policy St</td>
</tr>
<tr>
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<td>Music M.M. - Concentration in History and Literature</td>
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<td>Music Performance Minor (p. 175)</td>
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<td>Nursing B.S. - RN-to-BSN (p. 415)</td>
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<td>Peace and Conflict Studies Minor (p. 423)</td>
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<td>Performance B.M. (p. 171)</td>
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<td>Performance M.M. - Conducting Concentration</td>
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<td>Performance M.M. - Instrumental Concentration</td>
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<tr>
<td>Performance M.M. - Keyboard Concentration (Piano, Harpsichord, or Organ)</td>
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<td>Philosophy M.A. - Standard Concentration</td>
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<td>Political Science B.A. - Applied Public Policy Concentration (p. 443)</td>
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<td>Political Science B.A. - Government and Politics Concentration (p. 443)</td>
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<td>Political Science B.A. - International Relations Concentration (p. 444)</td>
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<td>Post-Baccalaureate Teacher Certification - Grade 4 through Grade 8</td>
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<td>Post-Baccalaureate Teacher Certification - Pre-K through Grade 4</td>
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<td>Post-Master's Certificate in Professional Counselor Licensure Preparation Graduate (LPC)</td>
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<td>Post-Master's Certificate of Advanced Study in Applied Statistics</td>
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<td>Post-Master's Dietetic Internship Certificate</td>
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<td>Project Management Graduate Certificate</td>
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<td>Reading Specialist Certification</td>
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<td>Russian Minor (p. 357)</td>
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<td>School Health M.Ed.</td>
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<td>Secondary Teaching Certification</td>
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<td>Spanish Minor (p. 357)</td>
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<td>Special Education B.S.Ed. (7-12) (p. 466)</td>
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<td>Special Education B.S.Ed. - PreK-8 and Early Grades Preparation (PreK-4) (p. 464)</td>
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<td>Special Education B.S.Ed. - PreK-8 and Middle Grades Preparation (4-8) (p. 465)</td>
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<td>Speech–Language Pathology M.A.</td>
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<td>Studio Arts B.F.A. (p. 183)</td>
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<td>Teaching English as a Second Language (TESL) M.A.</td>
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<td>Theatre B.A. (p. 476)</td>
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<td>Transformative Education and Social Change M.S.</td>
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<td>Universal Design for Learning and Assistive Technology Certificate - Online</td>
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<td>Urban and Environmental Planning B.S. to M.S. in Geography Accelerated Program (p. 293)</td>
<td>Undergraduate</td>
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<td>Urban and Regional Planning Master</td>
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<td>White Collar Crime Minor (p. 143)</td>
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<tr>
<td>Women's and Gender Studies Minor (p. 481)</td>
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<tr>
<td>Youth Empowerment and Urban Studies Minor (p. 481)</td>
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SOCIAL EQUITY AND ADA INFORMATION

Nondiscrimination/Affirmative Action Policy

West Chester University is committed to providing leadership in extending equal opportunities to all individuals. Accordingly, the University will make every effort to provide these rights to all persons regardless of race, color, sex, sexual orientation, gender identity, religion, creed, national or ethnic origin, citizenship status, age, disability, veteran status or any other legally protected class. This policy applies to all members of the University community including students, faculty, staff, and administrators. It also applies to all applicants for admission or employment and all participants in University-sponsored activities.

West Chester University will take all necessary steps to:

1. Recruit, hire, utilize, train, and promote for all job classifications without regard to race, color, sex, sexual orientation, gender identity, religion, creed, national or ethnic origin, citizenship status, age, disability, veteran status or any other legally protected class.
2. Recruit and admit students without regard to race, color, sex, sexual orientation, gender identity, religion, creed, national or ethnic origin, citizenship status, age, disability, veteran status or any other legally protected class.
3. Base decisions on selection, employment practices, employee utilization, job training, career mobility, promotion, program operations, and services provided so as to further the principles of equal opportunity and affirmative action.
4. Create and maintain a climate free from discrimination and harassment of any individual.
5. Create and maintain a climate free from sexual harassment of any individual.
6. Make every effort to increase the admission and employment opportunities for qualified persons with disabilities.
7. Assure that reasonable accommodation will be made for all the physical and mental limitations of qualified individuals.
8. Assure that in offering employment or promotion to persons with disabilities, no reduction in compensation would result because of disability, income or other benefits.


Any individual having suggestions, complaints, or grievances with regard to equal opportunity or affirmative action, or to request a translation of this publication into a language other than English, should be directed to Lynn Klingensmith, Social Equity Director/Title IX Coordinator, 13/15 University Avenue, West Chester, PA 19383; phone 610-426-2433 or email at lklingensmith@wcupa.edu.

Sexual Harassment Policy

West Chester University is committed to equality of opportunity and freedom from unlawful discrimination for all its students and employees. Sexual harassment is a form of unlawful discrimination based on sex and will not be tolerated in any form by faculty, staff, students, or vendors. Upon official filing of a complaint, immediate investigation will be made, culminating in appropriate corrective action where warranted, which may include termination of the relationship with the University. Retaliatory actions against persons filing a complaint of sexual harassment, or any person cooperating in the investigation of a complaint, are also prohibited. Acts of retaliation shall constitute misconduct subject to disciplinary action and should be reported to the Title IX Coordinator/Social Equity Director.

Sexual harassment is defined as unwelcome sexual advances, requests for sexual favors, and other harassing conduct of a sexual nature. Sexual harassment occurs when:

1. submission to the unwelcome conduct of a sexual nature is made either explicitly or implicitly a term or condition of an individual’s employment or status in a course, program, or activity;
2. submission to or rejection of the unwelcome conduct of a sexual nature by an individual is used as the basis for an academic or employment-related decision affecting such an individual; or
3. the unwelcome conduct of a sexual nature is sufficiently severe, persistent, or pervasive as to substantially limit or interfere with an individual’s work, educational performance, participation in extracurricular activities, or equal access to the University’s resources and opportunities; or
4. such conduct creates an intimidating, hostile, or abusive living, working, or educational environment.

Sexual violence is a form of sexual harassment. Sexual violence refers to physical acts perpetrated against a person’s will or where a person is incapable of giving consent due to the victim’s use of drugs, alcohol or disability. Physical sexual acts include rape, sexual assault, sexual battery and sexual coercion.

All incidents of sexual harassment must be reported to the Lynn Klingensmith, Social Equity Director/Title IX Coordinator, 13/15 University Avenue; phone 610-436-2433 or lklingensmith@wcupa.edu, or http://www.wcupa.edu/sexualmisconductreport.

This policy and the procedures addressed herein are in addition to, and not a replacement for, criminal remedies that may be available. Anyone interested in pursuing a criminal complaint should contact the Office of Public Safety at 610-436-3311 or dial 911 in the case of an emergency.

If the incident occurred off campus, the WCU Public Safety Office will assist the complainant in filing the complaint in the appropriate jurisdiction.

This policy is not intended to interfere with the protections afforded by law to freedom of speech. Additional information, including examples of what constitutes sexual harassment, is available from the Office of Social Equity. Individuals who believe themselves to have been sexually harassed, or who have questions about the University’s policy on this matter, should contact Lynn Klingensmith.

Complaints may also be filed with the U.S. Department of Education, Office of Civil Rights at https://wdcrobcolp01.ed.gov/cfapps/OCR/contactus.cfm or by phone at 215-658-8541.

ADA Policy Statement

West Chester University is committed to equality of opportunity and freedom from discrimination for all students, employees, applicants for admission or employment, and all participants in public University-sponsored activities. In keeping with this commitment, and in accordance with the Americans with Disabilities Act of 1990 and the Rehabilitation Act of 1973, the University will make every effort to provide equality of opportunity and freedom from discrimination for all members of the University community and visitors to the University, regardless of any disability an individual may have. Accordingly, the University has taken positive steps to make University facilities accessible to individuals with disabilities and has established procedures to provide reasonable accommodations to allow individuals with disabilities to participate in University programs.

The Director of the Office of Social Equity (http://www.wcupa.edu/socialEquity) has been designated as the ADA coordinator for the University. In this capacity, the director of social equity works with the University ADA Committee to advance University policies and procedures that will provide equal educational and employment opportunities for individuals with disabilities. The Office of Social Equity has an established process to investigate and address any complaints of discrimination on the basis of a disability. Any individual who has a suggestion, question, or complaint regarding ADA issues
is encouraged to contact Lynn Klingensmith, Social Equity Director/Title IX Coordinator, 13/15 University Avenue; phone 610-436-2433 or lklingensmith@wcupa.edu.

West Chester University has also established the Office of Services for Students with Disabilities (http://www.wcupa.edu/ossd) (OSSD), which operates as a centralized service for addressing the needs of students with disabilities and as a resource center for students, faculty, and staff. A student who wants to request an accommodation and/or receive specialized services should contact the director of the OSSD. The policies and procedures used by the OSSD are contained in the West Chester University Handbook on Disabilities, which is available in the OSSD, 223 Lawrence Center, V/TDD 610-436-321, or the following website: www.wcupa.edu/ussss/ossd/documents/RevisedADAhandbook.pdf. Various housing facilities and services are available for resident students with disabilities. For this and other information about on-campus housing and food service, please contact the Office of Residence Life and Housing (http://www.wcupa.edu/residenceLife), 202 Lawrence Center, 610-436-3307.

The Office of Human Resource Services (http://www.wcupa.edu/hr) has been designated as the contact for employees and applicants seeking to request an accommodation. The Office of Human Resource Services is located at 201 Carter Drive, 610-436-2800.

West Chester University is involved in the ongoing process of renovating campus buildings and grounds to ensure accessibility for all individuals. Many of our buildings are currently accessible, but some are awaiting renovation. To find out whether a particular location is accessible or how to access a location, please contact the space manager at 610-436-3348. To request special accommodations at a particular facility to ensure accessibility, please contact the Facilities Division at 610-436-3200.

**ADA Policy and Accommodations**
The University's complete ADA Policy Statement and commitment to accommodations compliance is above.

The provisions of this catalog are not to be regarded as an irrevocable contract between the student and the University. West Chester University reserves the right to change any provisions or requirements at any time. Please check the University's website, www.wcupa.edu, for any updates.

**ACADEMIC POLICIES AND PROCEDURES**

**ACADEMIC INTEGRITY**

**Undergraduate Student Academic Integrity Policy**
Any situation involving a violation of academic integrity is of major concern to the University. Faculty members preserve and transmit the values of the academic community through example in their own academic pursuits and through the learning environment that they create for their students. They are expected to instill in their students a respect for integrity and an understanding of the importance of honesty within their chosen profession. Faculty must also take measures to discourage student academic dishonesty.

Commitment to maintaining and encouraging high standards of academic integrity is demonstrated in many ways. One way is through the establishment of policies and procedures governing violation of the standards of academic integrity. The following policies, procedures, and definitions are intended to help faculty meet these responsibilities.

First, the instructor has both the right and responsibility to demand academic honesty if a student is to remain in good standing in the course and is to be evaluated fairly by the instructor. A grade certifies both knowledge and a standard of academic integrity. It is essential that the instructor retain the right to set the minimum academic penalty for academic dishonesty in a course, subject to the appeal rights of a student.

Second, cheating is not just a matter between an instructor and student in a specific course. While it is the right and duty of the instructor to set minimum penalties for dishonesty in a particular course, the University is responsible for the minimum standards of academic integrity and achievement on which degrees are based. It is the University that permits students to remain members of the academic community and finally certifies that students have attained sufficient academic credit and exhibited acceptable standards of conduct to entitle them to a degree. Incidents of academic dishonesty, especially when they recur and become patterns of dishonest behavior, require that the University be in position to use more severe disciplinary measures than those available to the professor, including expulsion of the student from the University. It is therefore imperative that individual instances of academic dishonesty, accompanied by details concerning penalties, become a part of the student's academic record.

Third, students accused of academic dishonesty have the right to have their case heard in a fair and impartial manner, with all the safeguards available within the bounds of due process.

As responsible members of the academic community, students are obligated to comply with the basic standards of integrity. They are also expected to take an active role in encouraging other members to respect those standards. Should a student have reason to believe that a violation of academic integrity has occurred, he/she is encouraged to make the suspicion known to a member of the faculty or University administration. Students should familiarize themselves with the University's policies, procedures, and definitions of types of violations, as provided in the Undergraduate Catalog.

**Violations of Academic Integrity**
Violations of the academic integrity standards of West Chester University fall into six broadly defined categories listed below.

1. Plagiarism
   a. Plagiarism is the inclusion of someone else's words, ideas, or data as one's own work. When a student submits work for credit that includes the words, ideas, or data of others, the source of that information must be acknowledged through complete, accurate, and specific references and, if verbatim statements are included, through quotation marks as well. By placing his/her name on work submitted for credit, the student certifies the originality of all work not otherwise identified by appropriate acknowledgments. Plagiarism covers unpublished as well as published sources.

2. Fabrication
   a. Fabrication is the use of invented information or the falsification of research, information, citations, or other findings.

3. Cheating
   a. Cheating is an act or an attempted act of deception by which a student seeks to misrepresent his/her mastery of the information or skills being assessed. It includes, but is not limited to, using or attempting to use unauthorized materials, information, or study aids in any academic exercise.

4. Academic Misconduct
   a. Academic misconduct includes, but is not limited to, other academically dishonest acts such as tampering with grades; or taking part in obtaining or distributing any part of a test that has not yet been administered; or disrupting or interfering with the ability of others to complete academic assignments. It also includes violations of the Student Code of Conduct, as they relate to the academic environment.

5. Facilitating Academic Dishonesty
   a. Facilitating academic dishonesty includes helping or attempting to help another to commit an act of academic dishonesty.

6. Breach of Standards of Professional Ethics
a. In certain degree programs, students will be instructed on and provided with that particular profession’s code of ethics (e.g., the American Nurses Association Code for Nurses). Under some circumstances, if a student is found to have violated that professional code, that violation may be considered a breach of the Academic Integrity Policy.

Procedures for Handling Cases
Faculty are responsible for determining the grades earned in their courses, and they are the first step in determining if a violation of academic integrity has occurred. They are also the first individuals to determine what penalty should be levied. A faculty member responsible for assigning final grades in a course may acquire evidence, either directly or through information supplied by others, that a student violated academic integrity may have occurred. After collecting the evidence available, the faculty member will meet with the student to present the evidence of an alleged violation and request an explanation.

If the faculty member accepts the student’s explanation, no further action is taken. If the faculty member determines that a violation has occurred, the faculty member informs the student, within five days of his/her decision, in writing, of the penalty that will be imposed. The faculty member will also inform the student of his/her right to file an appeal within 10 days of the faculty member’s decision.

Once a faculty member has charged a student with academic dishonesty, the student may not withdraw from the course to avoid a grade penalty or to prevent the filing of the Report of Violation of Academic Integrity. Any student who withdraws from a course before the charge is made may be re-registered for the course so that appropriate action can be taken.

The faculty member fills out and forwards a copy of the Report of Violation of Academic Integrity, together with any additional supporting documentation, to his/her department chairperson. In departments that have a departmental Academic Integrity Board, the faculty member will forward the information to the departmental board. The department chair (or chair of the departmental board) will forward the information to the college dean. If the faculty member is the department chair and there is no departmental board, the report will be sent directly to the dean. The dean will then forward the information to the vice provost or his/her designee. The report includes:

- The nature of the charge/evidence against the student
- A brief summary of the meeting with the student
- The faculty member’s decision
- The right of appeal to the department chair (or departmental board)

If the faculty member who accuses the student and files the report is the department chair, and there is no departmental board, the college dean is the first step in the appeal process.

If the student is subsequently found not guilty of the charge, the student may:

- Remain in the course without penalty
- Withdraw from the course regardless of any published deadlines

If the student is found guilty of violating the student Academic Integrity Policy, the student may not withdraw from the course and will receive the sanction imposed by the instructor or other academic authority.

Penalties
All acts of academic dishonesty violate standards essential to the existence of an academic community. Most offenses are properly handled and remedied by the faculty member teaching the course in which they occur. The penalties that may be assessed by the faculty member include the following:

- Completion of alternative work, with or without a grade reduction
- A reduced grade (including F or zero) for the assignment
- A reduced grade (including F) for the entire course

The faculty member may also request that his/her department chairperson contact the appropriate dean and request that an Academic Integrity Board be convened, for the purpose of imposing further sanctions. See below for a list of possible sanctions.

Whatever the penalty, the report describing the incident and recording the decision will be kept by the vice provost’s designee until the student has graduated and the degree has been awarded. In addition, the vice provost will forward a copy of the report to the student’s major department chairperson. Individual departments may establish a “zero tolerance” policy for their majors. Students must be clearly informed of such a policy by those departments.

The purpose of this record keeping is to ensure that students who violate the University’s student Academic Integrity Policy a second time are dealt with appropriately. A second purpose is to deter students from repeating offenses. A record of the first-offense is kept in the student’s academic file in the Office of the Vice Provost as an internal record and is not available to faculty who may be bringing charges against a student. Information as to whether or not such a file exists is available to individuals or committees who are writing letters of reference for students, when the form asks if the student has ever been sanctioned for academic dishonesty. The file is destroyed once the student’s degree is awarded.

A second violation of the Academic Integrity Policy may result in formal charges being brought against the student. In addition to the sanctions listed above, sanctions for a second or subsequent violation may include:

- Suspension from the University for a designated period of time
- Expulsion from the University
- Any sanctions listed in the Student Code of Conduct

In the determination of penalties, the following factors may be considered:

- The nature and seriousness of the offense
- The injury or damage resulting from the misconduct
- The student’s prior academic file

Appeal Procedures
A student may appeal the instructor’s unilateral imposition of a reduced or failing grade. A student who files an appeal within 10 days of the faculty member’s determination will suffer no worse penalty as a result of the appeal than he/she would have suffered if he/she had not appealed the instructor’s unilateral action. A student who files an appeal to the next level must do so within 10 days. The Request for Appeal should contain any and all information that the student believes is relevant to his/her case. After the initial appeal and decision by the department chair, the student will have five days to appeal the decision to the appropriate dean, if he/she so wishes.

The progression of the appeal involves the following:

1. Chair of the department in which the course is housed (or departmental board). The appeal must be filed within five days of the faculty decision. The chair will submit a written response to the student within five class days after receipt of the student’s appeal.

2. Dean of the department in which the course is housed. The appeal must be filed within five days of the department’s decision. The dean will submit a written response to the student within five class days after receipt of the student’s appeal.

3. WCU Academic Integrity Board. The appeal must be filed within five days after the dean’s decision. The provost (or provost’s designee) will convene the Academic Integrity Board as soon as possible, but no later than 15 class days after the receipt of the written request.
If the faculty member who has brought the charges is also the chair of the department, the appeal moves directly to the college dean.

**Academic Integrity Board**

The Academic Integrity Board may be convened under any of three sets of circumstances.

1. It may be requested by an accused student as part of the appeal process.
2. It may be requested by the faculty member who believes that a penalty that is more severe than an F in the course is warranted.
3. It will be convened automatically by the vice provost or his/her designee if a student has a second or subsequent Report of Violation of Academic Integrity placed on file.

**Membership of the Academic Integrity Board**

1. The provost (or provost’s designee) shall appoint faculty and administration members of the Academic Integrity Board. The vice provost serves as nonvoting chairperson. If the vice provost is not available to serve, the administration will appoint a substitute.
2. A faculty dean not involved in the charging process. A substitute may be appointed as given in paragraph 1.
3. Two faculty members. At the beginning of each academic year, the Office of the Vice Provost shall randomly select two full-time faculty from each academic department in order to constitute the pool. Two faculty members from different departments will be randomly selected from this pool to serve on the Academic Integrity Board.
4. Two undergraduate students. The undergraduate students will be selected from a list of names provided by the Office of Student Conduct, or who are tutors at the LARC, or who are enrolled in the Honors College, or who are members of a WCU Honors Society. The director of the LARC, director of the Honors College, or the appropriate society advisor will provide the Office of Academic Affairs with a list of students who are willing to serve. Such students will be appropriately trained in procedures relating to this policy and the need for confidentiality pursuant to the Family Education Rights and Privacy Act (FERPA).

**Hearing Procedures for Academic Integrity Board**

The chair will provide notice to all parties which shall include a summary of the matter for disposition, as well as the time and place of the hearing. The student charged will also be advised as to the circumstances.

1. The board will provide notice to all parties which shall include a summary of the matter for disposition, as well as the time and place of the hearing. The student charged will also be advised as to the circumstances.
2. It will be convened automatically by the vice provost or his/her designee if a student has a second or subsequent Report of Violation of Academic Integrity placed on file.

The board chair shall have authority and be responsible for maintaining an orderly procedure throughout the hearing. All hearings are closed proceedings; witnesses may be excluded from the room until the appropriate time for their testimony. The burden of proof rests on the individual bringing charges. All matters upon which the decision will be based must be introduced into evidence at the hearing.

Both parties shall have the right to be assisted by advisors, who may be attorneys, and who may be present at hearings. The board chair must be notified in advance of the hearing who the advisors will be. The advisors may only consult and interact privately with their advisees, and may not address the board. Advisors who are disruptive to the process will be asked to leave the proceedings, and the matter will go forward absent their involvement.

All hearings will be recorded. The audio recording of the hearing will be archived in the Office of the Provost, or his/her designee, for five years. A written transcript of the hearing will be provided at the expense of the University pursuant to a validly issued subpoena.

A written recommendation based on a preponderance of evidence, arrived at by majority vote, in which the facts and reasons for the recommendation are set forth shall be issued within 15 calendar days, after the close of the board proceedings. That report shall be sent to the provost and vice president for academic affairs, with copies to all parties, including the deans and the appropriate department chair. The copy to the accused will be sent certified mail, return receipt requested, and first class mail. Within 15 calendar days, the provost shall implement the recommendation of the board, or shall provide a written response containing his/her decision, and explaining to all parties his/her reasons for declining to implement the board’s recommendation. In the event that the provost finds inadequacies in the record, the matter can be remanded back to the board for additional testimony.

Any party who fails without appropriate reason to appear at the hearing consents to the conduction of the hearing in his or her absence and for a final decision to be made based on the facts presented.

The board retains the right to continue a hearing whenever necessary and appropriate.

Either party may express its reaction in writing regarding the recommendation of the board to the provost or his/her designee within seven calendar days of receipt of the recommendation. If the seventh day falls on a weekend or holiday, the seventh day will be the first day that the University is open for business. Written submissions should be submitted to the provost. Any stay of sanction shall be granted only upon application to and at the sole discretion of the provost or his/her designee. The decision of the provost shall be final. If the penalty being levied is an “F” in the course, the provost will direct the registrar to enter the grade of “F” in the student’s record.

**Sanctions**

At the conclusion of the appeals process, a student may be exonerated or subject to any combination of the following range of penalties. If the student is found in violation of the Academic Integrity Policy, the board will not impose a penalty that is more severe than the one recommended by the faculty member for that infraction. The board shall have no knowledge of any record of previous acts of academic dishonesty when making its initial adjudication of the case.
1. The board may agree with the instructor and apply a penalty to the student’s grade, including failure in the course. Further, the board may agree with the faculty member’s recommendation that the student receive a more severe penalty than failure in the course, and apply one of the sanctions listed below. If any of the following sanctions are imposed by the provost, they will be sent to the director of the Office of Student Conduct. A disciplinary file will be established as a permanent record of these actions.

   a. Disciplinary probation: The student is informed in writing that he or she is being placed on disciplinary probation for a specific period of time. This action is a period of official censure. A probation action may specify any conditions with which the individual must comply or any privileges which may be withheld. Probation may include, but not be limited to, the loss of privilege to represent the University in official capacity including but not limited to varsity and non-varsity intercollegiate events, plays, and holding office in campus government or related organizations. If at any time during his or her probationary period the student violates University regulations, he or she may be subject to further disciplinary action from the University up to and including expulsion from the University.

   b. Suspension: The student is informed in writing that the student is being involuntarily suspended from the University for a designated period of time. A student shall lose student status and may not attend classes, take exams, receive grades, or be on University property except for authorized University business during the suspension period. Authorized University business must be approved in advance by the provost and vice president for academic affairs or designee. After the designated period of time, the student must seek approval from the provost and vice president for academic affairs or designee to reapply to return through the Office of Admissions. The board may establish additional requirements which must be fulfilled to the satisfaction of the provost and vice president for academic affairs or designee prior to reinstatement. There will be no refunding of fees. The assignment of grades shall be in accordance with University policy.

   c. Expulsion: The student is informed in writing that he or she is being expelled from the University. The action is one of involuntary separation from the University. The relationship between the student and this University is permanently terminated. The student is not permitted on University property. There will be no refunding of fees. The assignment of grades shall be in accordance with University policy. The fact of the expulsion and the reason for it will be entered upon the student’s official transcript and upon all copies thereof. A student who has been expelled for academic dishonesty will not be awarded a degree from West Chester University.

   d. Restitution: Restitution may be imposed on students whose violation of these standards has involved monetary loss or damage. Restitution as imposed by the board will be regarded by the University as a financial obligation to the University.

2. Hold on records: The University may withhold transcripts, grades, degrees, diplomas, or other official records pending the disposition of cases.

3. If the student has a record of past violations of the Student Academic Integrity Policy, that student is subject to additional sanctions based upon the fact that he/she has a prior record of dishonesty. After the board recommends the penalty for the case in question, the board will be provided with the student’s past record, if any exists. The board shall review that record and consider imposing a more stringent penalty, to include any of the penalties listed above.

Notes

1. If the complainant is not on contract or in residence on the campus, he or she shall have the right to defer the procedure until his or her return. Similarly, if the procedure would normally occur during the summer and the student is not enrolled in any summer session, the procedure may be deferred until the fall semester at the student’s request.

2. Each department must submit to the academic dean its written process for hearing appeals. Likewise, each academic dean must submit to the provost and vice president for academic affairs his or her written process for hearing appeals. These processes must, as a minimum, provide notice to all involved parties and must provide an opportunity for all parties to be heard by a neutral fact finder or body who will render a decision and permit the accused to have an advisor. Such policies and procedures should be readily available to all students of the department.

3. A written statement of the decision and relevant materials shall be placed in the student’s academic file and sent to the student’s academic advisor and department chair. In the absence of a student appeal, the recommended sanctions from the department and dean’s level should be forwarded from the dean’s office to the provost for action.

ACADEMIC RECORDS INFORMATION

Student Standing

The student’s standing is determined by the number of semester hours of credit earned as follows:

- Freshman: 0-29.5 semester hours of credit (inclusive)
- Sophomore: 30-59.5 semester hours of credit (inclusive)
- Junior: 60-89.5 semester hours of credit (inclusive)
- Senior: 90 or more semester hours of credit

Academic Load

Academic (or course) load refers to the number of credits taken by a student each semester. It is used to determine full- or less-than-full-time status and may change throughout a student’s academic career for various reasons. Students may change their academic load through the myWCU portal; consideration should be given to the impact it may have on financial aid, housing, and other credit-dependent services. Undergraduate academic loads are broken down as follows:

Fall or Spring

<table>
<thead>
<tr>
<th>Academic Load</th>
<th># of Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less than Half-time</td>
<td>0.01 - 5.50</td>
</tr>
<tr>
<td>Half-time</td>
<td>6.00 - 8.50</td>
</tr>
<tr>
<td>3/4-time</td>
<td>9.00 - 11.50</td>
</tr>
<tr>
<td>Full-time</td>
<td>12.00 - 18.00</td>
</tr>
<tr>
<td>Full-time with Overload</td>
<td>&gt;18.00</td>
</tr>
</tbody>
</table>

Summer

<table>
<thead>
<tr>
<th>Academic Load</th>
<th># of Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum (per summer semester)</td>
<td>7.00</td>
</tr>
</tbody>
</table>

Winter

<table>
<thead>
<tr>
<th>Academic Load</th>
<th># of Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum</td>
<td>7.00</td>
</tr>
</tbody>
</table>

Transcripts

Requests for official transcripts are made online. Students who attended during or after 1985 order through the myWCU portal and have the option to order a
1. The right to inspect and review their education record.*

The Registrar has been designated by the University to coordinate the inspection and review procedures of student education records. Students must submit a written request to the Office of the Registrar identifying the item or items of their record they wish to inspect. The Registrar’s Office will contact the student as soon as possible, but no later than 45 days from the date the request was received, to arrange a time and place for the student to inspect the requested records. At the time of inspection, the student will be required to show photo identification and must inspect the records in the presence of a representative from the Office of the Registrar.

2. The right to request an amendment to their education records, if he or she believes the record contains inaccurate or misleading information.

If a student believes his or her education record contains information that is inaccurate, misleading, or is otherwise in violation of his or her privacy rights, the student may request in writing that their record be changed. The student will be advised of his or her right to a formal hearing. If the Registrar agrees with the student’s request, the appropriate records will be amended. If the Registrar decides not to amend the record, the student will be notified of the decision, within a reasonable period of time, and the student will be advised of his or her right to a formal hearing. Student requests for a formal hearing to contest the Registrar’s decision must be made, in writing, to the Associate Provost. A hearing committee will be appointed and the student will be notified of the date, time, and place of the hearing. The student may present evidence relevant to the issues raised and may be assisted or represented by one or more individuals of their choice, including an attorney, at their own expense. Decisions of the hearing committee will be based solely on the evidence presented at the hearing, and will be final. Following the hearing, the committee will provide their written decision and a summary of the hearing to the concerned parties. If the decision is in favor of the student, his or her education record will be amended accordingly.

3. The right to provide consent prior to the disclosure of personally identifiable information contained in their education records.

No one outside the university shall have access to, nor will the university disclose, any information from students’ education records without the students’ prior written consent, except to the extent permitted under FERPA. (See “(p. 69)WCU Use of Student Directory Information”.) FERPA does establish several exceptions that allow the university to disclose student education records without prior consent. Some of these exceptions include:

- To school officials with a legitimate educational interest. A school official is a person employed by West Chester University in an administrative, academic, research, or support staff position (including law enforcement unit personnel and health staff); members of the board of trustees; third-parties acting on behalf of the university; or individuals, including students, serving on university committees. School officials are considered to have a legitimate educational interest if the student education information is necessary in order for that official to: complete a task specific to their job description/contract; perform a task related to a student’s education; perform a task related to the discipline of a student; or provide a service or benefit relating to a student.
- To comply with a judicial order or lawfully issued subpoena. The university will make an effort to notify the student in writing prior to disclosing information, unless directed otherwise by the order or subpoena.
such as these but will not necessarily publish all such information in
the University will limit information that is made public to categories
of information without students’ prior consent:
Under FERPA, West Chester University may release the following
privacy if disclosed.
Directory information is information contained in your education
record that generally would not be considered harmful or an invasion of
WCU Use of Student Directory Information
Directory information is information contained in your education
record that generally would not be considered harmful or an invasion of
privacy if disclosed.
Under FERPA, West Chester University may release the following
categories of information without students’ prior consent:
• Student’s name
• Local and permanent address
• Telephone number
• WCU email address, which includes WCU student ID number
• Date and place of birth
• Major field of study
• Dates of attendance
• Enrollment status
• Expected graduation date
• Degrees, awards, and honors received
• Most recent previous educational agency or institution attended by
  the student
• Participation in officially recognized activities and sports
• Weight and height, if a member of an athletic team
The University will limit information that is made public to categories
such as these but will not necessarily publish all such information in
every listing.
West Chester University does not make directory information generally
available to the public. West Chester University limits its release
of directory information for official University purposes, such as:
identifying athletic team members, publishing names of scholarship
recipients, graduation lists and Dean's Lists, issuing academic awards,
verifying enrollment or degree status, and providing such information
to faculty and/or staff as it pertains to their job responsibilities or with
whom the University has a contractual relationship. West Chester
University’s Office of Commuter Services does provide West Chester
Borough Department of Building, Housing, and Codes Enhancement
with student’s enrollment status.
Staff, faculty, student employees, and others with whom the University
has a contractual relationship are not permitted to use or disclose
student’s directory information for purposes other than those pertaining
to their job responsibilities. Release of directory information may not be
performed by anyone not authorized to do so.
Undergraduate and Graduate students who do not wish to
have their directory information published, without their prior
consent, must submit a Non-Disclosure of Directory Information
Request form (http://www.wcupa.edu/registrar/documents/
non-disclosureDirectoryInformationRequestEN.pdf) to the Office of
the Registrar. Forms must be submitted within the first 15 calendar
days of the semester. Once a student restricts the release of their directory
information, the restriction will remain in effect until the student makes
a written request to the Office of the Registrar to reverse the non-
disclosure restriction.
WCU Emergency Contact Protocol
All students are required to identify an emergency contact prior to
starting classes at WCU.
The following circumstances will initiate outreach to an emergency
contact:
• If a student is concerned to be missing, WCU assumes a student is
  missing if all efforts to contact an enrolled student fails.
• Emergency Health Concerns.
• If a student is transported to the emergency room and in unable to
  self-identify an emergency contact themselves, WCU will provide
  emergency contact information to the hospital.
• If WCU is alerted by the West Chester Borough, or other police
department of an off-campus housing or other safety emergency.
• In the event of an emergency during a study abroad or other WCU
  trip.
• When there is concern for the student’s health and safety.
• In instances of arrests for underage alcohol possession/consumption
Emergency contacts (including parents/families) will not be notified
if students are alleged to have violated WCU’s Student Code of
Conduct. Should the student be found responsible; the Federal Family
Educational Rights and Privacy Act (FERPA) gives West Chester
University limited ability to notify parents when students under the age
of 21 have been found to violate any law or policy concerning the use or
possession of alcohol or a controlled substance.
Emergency Contacts (including parents/families) will not be notified of
circumstances related to sexual misconduct.

A C A D E M I C  S E R V I C E S

Academic Affairs
West Chester University’s undergraduate programs include teaching
certification programs, local certificate programs, and programs of
study leading to the bachelor of arts, bachelor of fine arts, bachelor of
music, bachelor of science, bachelor of science in education, bachelor
of science in nursing, and bachelor of social work. A complete list of
undergraduate degree programs are located on the Program Index
(p. 56) page. Programs of study at the graduate level are also available.
These are listed on the Program Index (p. 56) page and are described in detail in the Graduate Catalog (http://catalog.wcupa.edu/graduate).

Academic Advising

West Chester University embraces the concept that effective academic advising is a collaborative teaching and learning process between the student and the faculty advisor. The University believes that effective advising should assist students in achieving their academic, professional, and personal goals. The University community – students, faculty, and staff – shares the responsibility for student success. Faculty advisors will strive to provide accurate, timely, and current information, thus establishing the framework around which students will construct their academic program of study. Students, in turn, must take responsibility for their educational and career goals by assuming an active role in working towards their degree and being aware of and understanding policies and requirements necessary for graduation. The University is responsible for providing a supportive environment where students can receive high-quality academic advising and also be referred to other campus resources that will provide opportunities and assistance to help students succeed.

In order to maintain progress towards their goals, all students must meet with their advisors at least once per semester, as well as consult with department and university documents such as advising sheets and Degree Progress Reports. Students can find additional advising support information on the university's advising website (http://wcupa.edu/academics/advising).

Advisor assignments are made by the academic department of the student's program of study. Students who are admitted to the University as "undeclared" are assigned an advisor through Exploratory Studies (222 Lawrence Center, 610-436-3505). Students may find the name of their academic advisor on their myWCU portal page (http://my.wcupa.edu).

Students who choose to pursue an academic minor will also be assigned an advisor in the minor. The minor advisor will assist the student in understanding the requirements of that particular program.

Learning Assistance and Resource Center

The Learning Assistance and Resource Center (LARC) provides academic support services to help students become independent, active learners who achieve academic success. The LARC offers tutoring services in most 100- and 200-level general education courses, such as mathematics, writing, natural sciences, social sciences, foreign languages, and introductory business. Tutoring sessions are 50 minutes long and are held by appointment only. Interested students register on a first-come, first-served basis and are assigned tutors depending on availability. The LARC also offers Supplemental Instruction (SI) in several general education and high-risk courses. Additionally, the LARC holds refresher workshops in preparation for the required standardized tests for prospective education majors. The Academic Success Workshop (ASW) demonstrates the application of learning strategies to the course content through seminars that influence learning, such as stress management, test anxiety reduction, assertiveness, concentration, and motivation; workshops are available to student groups upon request. The LARC website, www.wcupa.edu/larc, includes information on available services, a list of courses being tutored, and links to helpful resources. Additional services, such as online tutoring through Smarthinking, the Diversity 411 Workshop, the Brother-to-Brother Program, and the Early Alert Program are also available. Information regarding these programs can be found on the LARC website.

The LARC provides opportunities for paid practical experience for undergraduate and graduate students and requires participation in a comprehensive training program for new tutors, including seminars, workshops, online training, individualized projects, and peer observation. Opportunities for practicum or internship are available. Tutors employed by the LARC acquire the knowledge and experience necessary to meet the requirements for certification by the College Reading and Learning Association. The LARC is open Monday - Thursday from 8 a.m. to 8 p.m., Friday from 8 a.m. to 4 p.m., and Sunday from 6 p.m. to 9 p.m. For more information call 610-436-2535, e-mail larc@wcupa.edu, see the website at www.wcupa.edu/larc or visit 224 Lawrence Center.

Veterans Affairs

Under the provisions of Title 38, West Chester University is an accredited university for the education of veterans. The University cooperates with the Veterans Administration to see that honorably separated or discharged veterans receive every consideration consistent with either degree or non-degree admission standards.

All veterans, certain dependents of disabled or deceased veterans, and war orphans who wish to obtain educational benefits under the appropriate public laws must register with the Veterans Affairs Office at initial registration. Veterans must renew their registration with this office at the beginning of each subsequent semester and each summer session. The Veterans Administration requires undergraduate students who are veterans to schedule at least 12 semester hours per semester in order to receive full benefits under the GI Bill®; and graduate students who are veterans to schedule at least 9 semester hours per semester in order to receive full benefits under the GI Bill®.

West Chester University participates in the Yellow Ribbon Program under the Post 9/11 GI Bill. The Post 9/11 GI Bill pays up to the in-state tuition and fees for all students in the program, depending on their qualifying benefit level. For out-of-state students at the 100% benefit level, the University will contribute (and the VA will match) funds to make up the difference between in-state and out-of-state tuition and fees.

West Chester University is compliant with the recent passage of PA Act 11 and HB131 (http://www.legis.state.pa.us/cfdocs/legis/li/uconsCheck.cfm?yr=2015&sessInd=0&act=11) (referred to as the Veterans Access, Choice, and Accountability Act of 2014). In accordance with Act 46 of 2014, West Chester University offers Priority Registration for Veterans. For guidelines regarding priority scheduling please visit the Registrar's website (http://www.wcupa.edu/registrar/military.aspx).

The Greg R. and Sandra L. Weisenstein Veterans Center (http://www.wcupa.edu/veteranscenter) is located at 624 South High Street. The Veterans Center provides services and assistance to veterans, service members, and spouse/dependents with their transition to college. Services include but are not limited to Student Veteran Group (SVG) meeting headquarters, a veteran lounge and computer area, the University's VA educational certifying official, assistance with VA educational benefits, and general VA information.

For information about the Department of Veteran Affairs (VA) benefits programs, assistance in completing the application for benefits, or to submit requests for enrollment certification, contact the Veterans Center (http://www.wcupa.edu/veteranscenter) at 610-436-2862 or e-mail veteranscenter@wcupa.edu.

Veterans' Residency

West Chester University adheres to the guidelines set forth by the PA Act 11 and HB131 in order to demonstrate compliance with the Veterans Access, Choice, and Accountability Act of 2014. According to WCU policy, your residency status may require you to supply extra documentation to ensure you receive the proper, in-state tuition benefits. Please visit the Registrar's residency section (http://wcupa.edu/registrar/residencyMilitary.aspx) for further information regarding military personnel.

Scholarly Publications

College Literature: A Journal of Critical Literary Studies is dedicated to publishing original and innovative scholarly research across the various
periods, intellectual fields, and geographical locations that comprise the changing discipline of Anglophone and comparative literary studies. Graham MacPhee of the Department of English serves as editor.

Aralia Press
This nationally renowned literary fine press, located in the Francis Harvey Green Library, West Chester University, gives students hands-on experience in the publishing field through traditional book production. For questions regarding materials printed by the Aralia Press, contact the Library Special Collections Department, e-mail libspeccol@wcupa.edu or call 610-436-3456.

Lawrence A. Dowdy Multicultural Center
The mission of the Lawrence A. Dowdy Multicultural Center (http://www.wcupa.edu/multiculturalAffairs) is to help provide and maintain a supportive environment that promotes the academic achievement and personal development of multicultural students at the University. This is accomplished by providing a wide range of services, programs, and activities aimed at meeting the educational, social, cultural, and developmental needs of multicultural students. In addition, the center collaborates with other offices, organizations, and departments to improve awareness of and appreciation for racial and cultural diversity for the University community.

The Multicultural Center serves as a general gathering place for all students and is also a home-base for the Lawrence A. Dowdy Multicultural Center Mentoring Program, the Board of Governors Scholarship program, and many multicultural student organizations. The center is located in Room 003 in Sykes Student Union and can be reached at 610-436-3273.

Assessment
The University takes seriously its commitment to excellence and student success, and therefore academic programs and student services regularly engage in assessment of student learning, student preparedness for employment, and student perceptions and satisfaction. All students are expected to participate in assessment of programs when requested in order to provide valuable feedback to the University community.

The full University policy regarding the assessment of student learning outcomes within programs at West Chester University are available on the web pages of the WCU Teaching, Learning, and Assessment Center (http://www.wcupa.edu/TLAC) as well as the home page of the vice provost (http://www.wcupa.edu/provostPolicies).

AFFILIATED ACADEMIC ORGANIZATIONS

Academic Development Program
The Academic Development Program (ADP) is special admissions program for students who do not meet current admissions criteria but who show potential to succeed in college.

Students admitted to the program complete a five-week summer session to assist them in developing academic skills in reading, writing, mathematics, and critical thinking, as well as to help them in their transition from high school to college. In addition, the program provides specialized tutoring, academic advising, mentoring and academic monitoring, and academic counseling. Program support continues into the academic year, as students complete SPK 208 and WRT 120 and transition into a major.

For further information, please contact the Academic Development Program, 231 Lawrence Center, 610-436-3274.

University-Wide Internship Opportunities
A number of departments offer the opportunity for internships, field experiences, or practica in which students may earn credit while gaining professional experience in their field of interest. Students need to consult with their department and review the various department listings in this catalog. In addition, other information on internship resources, requirements, and contacts is available at www.wcupa.edu/internships/ and in the Course Policies (p. 73) section of this catalog.

Three University-wide internship opportunities are open to students from any major:

1. The Harrisburg Internship Semester (THIS) is a full-semester, 15-credit experience in Pennsylvania state government. It is open to any junior or senior who has a minimum GPA of 3.0. A stipend is involved. See Department of Political Science (http://www.wcupa.edu/politicalScience) (HBI 400, HBI 401, HBI 402) or http://www.passhe.edu/this for more information.
2. The Washington Center Internships are 15-credit experiences with the U.S. Congress, Executive Branch, interest groups, and lobbies. See www.twc.edu (http://www.twc.edu) for more information.
3. The Pennsylvania House of Representatives Legislative Fellowship Program, open to all junior/senior students with a minimum GPA of 3.5, involves committee staff assignments in policy development and a stipend.

All three programs are administered by the Department of Political Science (http://www.wcupa.edu/politicalScience); contact the chair at 610-436-2743.

Exploratory Studies
Exploratory Studies (ES) (http://www.wcupa.edu/advising) provides support to undergraduate students before their admission to an academic major. The assignment to Exploratory Studies either reflects the student’s own choice or a designation by the University because of one of the following:

1. The student does not meet all of the preparation and/or academic requirements for a particular major
2. The academic major to which the student seeks entrance has reached its maximum enrollment for the academic year and/or semester

Students are encouraged to take prerequisite courses in their intended major and/or in a particular major program because of implied interests. Academic advisors assist students in interpreting University and department policies and requirements, and with selecting appropriate courses. advisors make referrals and discuss vocational and career interests with undeclared students. Together, the advisor and student develop an educational plan of sound strategies for success.

Students should understand that certain academic programs require prerequisites for further study. If prerequisites are not taken during the period of study as an undeclared major, then University attendance is prolonged. A student may transfer into a program only if all of the following are met:

1. There is a vacancy in the desired program.
2. Prerequisite courses are completed and/or the required GPA is attained.
3. A request has been submitted and approved through the online “Plan Change Request” process.

The Exploratory Studies program is located in 222 Lawrence Center. For more information contact advising@wcupa.edu or 610-436-3505.

Undeclared Major Declaration Policy

Policy Requirements
First year students who entered West Chester University as undeclared/pre-major must declare a major at the completion of 45 West Chester University earned credits. This is most often equivalent to three semesters of full-time study at the University. Transfer students (Internal and External) who are undeclared must declare a major after two semesters of full-time study as an undeclared student. Students must be in good academic standing and must meet all admission
requirements specified by the program s/he plans to transfer into. Exception to this policy may be granted to students who are planning to declare a major with highly restrictive admission requirements and may need additional semesters to complete those requirements. Any undeclared student who does not declare a major within the stipulated period of time will be required to develop an action plan addressing his/her academic area(s) of interest before the advisor hold will be lifted to enable the student schedule for the next semester.

Request to Postpone/Defer Declaring a Major
An undeclared/pre-major student may submit a request to defer declaring a major if the student is postponing major declaration because s/he has yet to complete the prerequisites for the anticipated major. The process of postponing a major declaration requires an established plan of action by the student, which must be approved by the student's academic advisor, the chairperson of the department of Educational Development Services (EDS), and the dean/designee of University College.

Pennsylvania State System Visiting Student Program
Undergraduate students enrolled in a degree program who have earned 12 college-level credits and are in good academic standing have the opportunity to enroll as a visitor for a fall, spring, or summer term at any of the other 13 Pennsylvania State System of Higher Education institutions. The program allows students to take advantage of specialized courses, programs, or experiences not available at the home institution without losing (home) institutional residency. Students may take a maximum of 24 credits via the Visiting Student Program. Students cannot use this program to repeat courses. Visiting Student Program information is available at the Office of the Registrar (http://www.wcupa.edu/registrar), 25 University Ave., 610-436-3085.

Environmental Programs
Students interested in pursuing environmental degree programs may choose from those identified below. Consult the departments listed for details on these programs.

Ecology and Conservation
Offered by the Department of Biology (http://www.wcupa.edu/biology), this program provides a strong background in theoretical and applied ecology and conservation, with an emphasis on field experience. It prepares students for careers as biologists in state and federal environmental agencies, industry, environmental consulting firms, and land conservancies, as well as graduate work in ecology and conservation.

Environmental Geography
Offered by the Department of Geography and Planning (http://www.wcupa.edu/geographyPlanning), the BA in Environmental Geography offers course work related to conservation and sustainability oriented towards understanding the spatial patterns of human systems and landscapes, environmental processes, food systems, and the effects of people on the environment. With heavy emphasis on the application of geographic information systems (GIS) and other geospatial technologies, students gain valuable technical skills. The degree prepares graduates for a number of public, private and non-profit career choices including governmental conservation agencies at the federal, state, and local levels; private land conservation agencies, such as the Nature Conservancy and regional land trusts; and environmental consulting companies. The geography environmental degree also prepares students for graduate study in geography, sustainability science, environmental science, landscape ecology, earth sciences, environmental planning, or related disciplines.

Environmental Geology
Environmental geologists monitor and remediate water and soil contamination, address wastewater and stormwater problems, map and analyze earth materials, assess risk from natural hazards, and identify new and sustainable sources of energy and other resources. Offered by the Department of Earth and Space Sciences (http://www.wcupa.edu/earthSpaceSciences), the B.S. Geoscience degree emphasizes skills necessary for environmental employment and meets the course requirements of the Pennsylvania Professional Geologist license. Courses incorporate project-based learning with hands-on training in field methods and cutting-edge scientific instruments. Graduates are prepared for geoscience careers in the thriving environmental industry of the greater Philadelphia region where hundreds of alumni are successfully employed.

Environmental Health
Offered by the Department of Health (http://www.wcupa.edu/health), this program synthesizes a rigorous scientific preparation with specialized, applied environmental courses and a required full semester internship. Courses include topics such as industrial hygiene and safety, risk assessment, environmental regulations, water quality, emergency preparedness, waste management, toxicology, and a research-based seminar. These courses develop the students’ quantitative skills and provide hands-on experience with state of the art sampling and analytical equipment. This degree program prepares graduates for careers as environmental/occupational health and safety scientists in industry, hospitals, research institutions, consulting firms, and government. This program is accredited by the National Environmental Health Science and Protection Accreditation Council (EHAC). (See the Department of Health’s page (p. 295) in the catalog for specific program information.)

National Student Exchange Program
West Chester University is one of approximately 200 participating colleges and universities across the United States, Canada, Puerto Rico, Guam, and the U.S. Virgin Islands that offers students the opportunity to spend a maximum of one year of study at another college or university. The exchange program enables students to experience a quarter, semester, or year at another institution. While encouraging students to appreciate various cultural perspectives, the National Student Exchange Program (http://www.wcupa.edu/registrar/nationalStudentExchange.aspx) also allows them to take advantage of specialized courses and programs that may not be available at West Chester. Successfully completed course work will transfer back to WCU and be applied to the student’s academic record.

To qualify for the program, students must be full time, have a 2.50 cumulative GPA, and should be a sophomore or junior during the period of exchange. Applications and further information, including the two different tuition options, are available from the National Student Exchange coordinator in the Center for International Programs. The priority deadline for application is February 15th of each year. A nonrefundable fee is required of all students who apply for the National Student Exchange Program (http://www.wcupa.edu/registrar/nationalStudentExchange.aspx). For more information, contact the Center for International Programs (610-436-3515) or email nse@wcupa.edu.

Pre-Professional Study
West Chester University recognizes that some students will select career goals that will require pursuit of academic degrees after the baccalaureate, either in graduate school or at a professional school. Students with such goals are encouraged to discuss them with appropriate members of the faculty.

Pre-Medical
Students interested in graduate studies in one of the health professions (medicine, dentistry, veterinary medicine, optometry, podiatry, or physician assistant studies) are encouraged to apply for admission to the Pre-Medical Program (http://www.wcupa.edu/preMedical), which is supervised by members of the Pre-Medical Committee. More
information about this program can be found on the Pre-Medical Program catalog page (p. 448).

Pre-Law
Students who are interested in exploring a career in law are encouraged to meet with the Pre-Law Advisor early in their academic careers and to participate in the Pre-Law Society. Because no single major course of study guarantees admission to law school, students should take courses that sharpen their reading comprehension, critical thinking, analytical reasoning, research, and oral and written communication skills. These skills can be gained through courses across all disciplines. In addition to undergraduate academic performance (reflected in a student’s grade point average), law school admissions officers consider a student’s score in the Law School Admissions Test (LSAT) in making admissions decisions. Beyond these quantitative measures of academic potential, law school admissions officers will consider other nonquantitative factors, including a student’s personal statement and letters of recommendation. The Pre-Law Advisor is available to assist students in preparing all aspects of their application package. For more information, contact Sandra M. Tomkowicz, J.D., Professor and Pre-Law Advisor, 484 Business and Public Management Center, at 610-436-2365 or stomkowicz@wcupa.edu.

Engineering
West Chester University, in cooperation with The Pennsylvania State University at University Park, offers a program in which, at the end of five years, a student earns a B.S. in Physics from West Chester University and a B.S. in Engineering from Penn State University. Students spend three years at West Chester University, where they complete all of the mathematics, physics, cognate, and general education requirements of the degree. Subsequently, they spend two years at Penn State taking only engineering-related courses. Students may choose from many fields of engineering, some of which are listed in the "Physics" section of this catalog. This program is not available to transfer students.

A similar dual-degree, cooperative physics/engineering program is available through West Chester University’s affiliation with the School of Design and Engineering at Philadelphia University. This program is available to all freshmen and to transfer students. Please contact the Department of Physics and Engineering (http://www.wcupa.edu/physics) for further information on either of these cooperative programs.

Armed Services Programs
Army Reserve Officers' Training Corps (ROTC) is available through a cross-enrollment agreement with Widener University (http://www.widener.edu/?pId=58). Students receive from 1.0 to 3.0 free elective credits per course (maximum 14 credits) towards their baccalaureate programs.

West Chester students also may enroll in the Air Force Reserve Officers’ Training Program (AFROTC) through an agreement with Saint Joseph’s University (http://www.sju.edu). All aerospace studies courses are held on the Saint Joseph’s University campus, and these courses earn transfer credit at WCU.

The University, with the approval of the Council of Trustees, permits West Chester University students enrolled in the Armed Services Reserve Officer Candidate Program (ROC) to receive six baccalaureate credits upon successful completion and certification of ROC military requirements. These credits are classified as free elective transfer credits. Depending on the status of the student's program at the time of ROC credit transfer, these credits will be counted toward, or in excess of, the 120 credits required for a baccalaureate degree.

ROC programs are contingent on successful completion of a military requirement during vacation and the awarding of a college degree before being granted the service commission.

Brandywine Ballet Program
West Chester University and the Brandywine Ballet offer a joint program: an undergraduate degree from WCU and a certificate in ballet from the Brandywine Ballet. This program allows students the opportunity to pursue a University degree with a broad educational emphasis while concurrently receiving advanced ballet training in a professional setting.

The Certificate in Ballet program is a rigorous, professional program that combines ballet training with a full-scale production each semester. The Brandywine Ballet engages professional faculty and choreographers to work with the students whose schedule includes a minimum of five company classes and 10 hours of rehearsal each week. All ballet training is conducted at Brandywine Ballet Company’s state-of-the-art facilities in West Chester, located in close proximity to the West Chester University campus. Each semester will culminate in a full-scale, professional production of contemporary and classical ballet on the WCU campus in the Emilie K. Asplundh Concert Hall. Students enrolled in the Certificate in Ballet program may choose any undergraduate major at West Chester University.

Admission to the Certificate in Ballet program is a two-pronged process. Students must apply and be accepted to West Chester University through the normal application process and audition with the Brandywine Ballet for admittance into the Certificate in Ballet program. Individual auditions will be scheduled by appointment.

Total costs for the certificate in ballet program include standard West Chester University tuition and fees plus an additional fee for participation in the ballet program. West Chester University offers both need- and merit-based scholarships. The Brandywine Ballet offers scholarships specifically applicable to the ballet program fees. Students seeking scholarships are encouraged to apply to the University early in the fall of their senior year.

For information on the Brandywine Ballet program, contact:
Brandywine Ballet Company
Howard Business Park
317 Westtown Road, Suite 5
West Chester, PA 19382
Box Office, 610-696-2711; Administrative Office, 610-692-6402; or fax, 610-696-0975.

General questions can be sent to info@brandywineballet.org.

Post-Baccalaureate Teacher Certification
Individuals who are interested in post-baccalaureate teacher certification, at either the undergraduate or graduate level, should contact the Office of Graduate Studies and Extended Education (http://www.wcupa.edu/Grad) for admissions materials. Applicants will be referred to the appropriate faculty advisor(s) for completion of the Approved Program of Studies form.

COURSE POLICIES
Course Registration Policy
Students must register for courses in myWCU, an online tool available to all active students at West Chester University.

Registration Order
The Registrar’s Office assigns students scheduling times in compliance with the University’s Priority Registration Policy (https://www.wcupa.edu/viceProvost/capc/documents/RevisedGuidelinesforDeterminingEligibilityforPriorityRegistrationStatus.pdf). Students are not eligible for enrollment into courses prior to their enrollment time.

Registration Timeline
Students are expected to register at their assigned registration time. All semester registrations should be completed prior to the start of the
semester. Final registration must be completed by the add/drop deadline for the semester.

Waitlists
If there are no seats available in a course, students may add themselves to the waitlist if one is available. Students are permitted to waitlist up to 7 credit hours. Students are not officially registered in the class when on the waitlist nor are they guaranteed enrollment into waitlisted courses.

General Policies
- Students can only attend courses for which they are registered. Individuals not registered for a course may attend classes on a temporary basis at the discretion of the faculty member. For students requesting in-classroom support, contact the Office of Services for Students with Disabilities.
- Students are financially responsible for all courses in which they are registered. To reduce or eliminate financial responsibility, students must officially drop courses prior to the add/drop deadline or completely withdraw from the University for the term in accordance with the University's Refund Policy (https://www.wcupa.edu/registrar/refunds/Withdrawals.aspx).
- Students must meet all course prerequisites and co-requisites to register for courses. Exceptions may be considered by the Department chairperson.
- Students with a hold on their records will not be allowed to register until the hold is cleared.
- Students should discuss course registrations with their academic advisor. Undergraduate students will have an Advisor Hold applied each semester, which will prevent registration until they have consulted with their academic advisor.

Overload/Max Credits Per Semester
An overload is enrollment in more than 18 credit hours in the fall or spring semester, or more than seven credit hours in an individual summer or winter session. The minimum cumulative GPA required to carry an overload is 2.75.

Permission will not be granted for more than 24 credits in a fall or spring semester or 10 credits in an individual summer or winter session. Student may request an overload through the myWCU (http://my.wcupa.edu) portal. All requests must be made prior to the add/drop deadline. Detailed instructions are available on the Registrar's website (http://wcupa.edu/registrar/documents/requestEnrollmentOverload.pdf).

Students who carry more than 18 credits in a fall or spring semester will be responsible for additional tuition (p. 16) charges at the standard rate per credit hour.

Repeating Courses
The Repeat Policy is divided into two sections, i.e., a policy covering developmental courses (Q00-level) that do not count towards graduation, and a policy covering college-level courses.

Policy Covering Developmental Courses
Students who enter the University beginning with the 1991 fall semester may have three attempts to pass each developmental course (Q00-level). The repeat privilege for developmental courses will not count within the six-repeat allotment for college-level courses. Credits for these courses do not count towards graduation but are computed in the cumulative grade point average. Students may repeat a single course twice, which results in eliminating the grades from the first and second attempts. The third attempt, however, will be the grade of record. Students must pass the developmental basic skills courses (English and mathematics) with a C- or better before enrolling in a more advanced course in the respective discipline. Students enrolled in the basic skills developmental course(s) who do not pass with a C- or better after three attempts will be permanently dismissed from the University regardless of overall grade point average. Students who fail developmental courses at West Chester University may not repeat those courses at another university or transfer in the college-level (100 or higher) course.

Policy Covering Undergraduate College-level Courses
Students may repeat undergraduate college-level courses to improve a grade of F, D, C, or B (not A).

1. No student may use the repeat option more than six times TOTAL. For example, this means repeating six DIFFERENT courses once each, or repeating three different courses twice.
2. A single course may not be repeated more than twice.
3. The most recent grade, regardless of whether it is higher or lower, will be the grade used for the GPA calculation.

Undergraduate students who take and complete a course at West Chester may not repeat the course at another institution and have the credits or grade count towards a West Chester degree.

Undergraduates who take a course for graduate credit are subject to the graduate repeat policy. See the Graduate Catalog for information.

Because all students must take and pass WRT 120 to graduate, a student who fails this course after three attempts will be dismissed immediately following the third failure, regardless of GPA.

Repeat Course Procedure
The first time a student completes a course for a grade it is considered the first attempt. The second time a student completes a course for a grade it is considered the second attempt and the first repeat. The third time a student completes a course for a grade it is considered the third attempt and is the second repeat. The most recent grade (regardless of whether it is higher or lower) and credit will be used for the GPA calculation. Students who complete a course with a fourth attempt or more are in violation of the Repeat Policy and will not earn credit.

Pass/Fail Policy
1. All degree students who are sophomores, juniors, or seniors with a cumulative GPA of at least 2.00 are eligible to take courses pass/fail.
2. The pass/fail privilege is limited to one course per semester; only free electives may be taken on a pass/fail basis. Free electives may not be used to satisfy major, core, cognate, or general education (including distributive) requirements. Interdisciplinary, diverse communities, and writing emphasis courses taken to satisfy these requirements may not be taken pass/fail.
3. A grade of pass carries credit value but does not affect the cumulative grade point average.
4. A grade of fail is computed into the cumulative grade point average.
5. After contracting for pass/fail, the student may not request or accept any grade other than a P or an F.
6. This process must be completed by the end of the ninth instructional week of the semester or the equivalent in summer school or winter session. Forms are available in the Office of the Registrar (http://www.wcupa.edu/registrar).

Auditing Privileges
Anyone may attend the University for the sole purpose of auditing courses by first scheduling for the course, paying the regular fee, and then completing an audit application form available from the Office of the Registrar (http://www.wcupa.edu/registrar). An undergraduate student may declare "audit" status in a course through the end of the ninth instructional week of class but may only audit one course per semester. Faculty may refuse to grant auditor status. Full-time students have the privilege of auditing, provided they obtain approval from the course instructor and the course does not create an overload situation. If an overload results, students are assessed the per-credit rate for each credit in excess of 18. Part-time students may audit, provided they
obtain the instructor’s approval, enroll in the course through the Office of the Registrar, and pay the regular course fees.

Credit is never given to auditors. The auditor status may not be changed after it has been declared. The grade of audit (AU) is recorded on the student’s transcript. An audited course will not fulfill any requirement toward graduation including interdisciplinary, diverse communities, and writing emphasis attributes.

Credit by Examination

Forms to register for credit by examination are available from the Office of the Registrar (http://www.wcupa.edu/registrar). Credit by Exam fees will be equivalent to the College-Level Examination Program fee. Contact the Office of the Registrar for current information.

Credit by examination is a privilege subject to the following conditions:

1. Application occurs during the Drop/Add Period. If the student has already scheduled the course, the course will be dropped from the schedule for that term. Grade notification for credit by exam will occur at the end of the semester. Therefore, if the student fails, the course will have to be taken in a later term.

2. The student has a cumulative GPA of at least 2.00.

3. The student demonstrates evidence of satisfactory academic background for the course.

4. The student has not already completed a more advanced course that presupposes knowledge gained in the course. For example, credit by examination cannot be given for FRE 101 after the student passed FRE 102.

5. Credits taken as credit by examination will be counted in the course load and will carry “0” billing credits. Therefore, courses will not count toward financial aid, athletics, dorms, insurance, etc.

6. A course cannot be repeated by using credit by examination.

7. A course that fulfills the interdisciplinary, diverse communities, or writing emphasis area may not be taken as credit by examination.

NOTE: Students who have taken a course but have not achieved a satisfactory grade may not apply for credit by examination for the same course.

Independent Study

Many departments offer an independent study course for students with demonstrated ability and special interests. This course is appropriate when a student has a specialized and compelling academic interest that cannot be pursued within the framework of a regular course. Students must obtain departmental permission for independent study courses and be registered by the end of the add/drop period. An overall GPA of 2.00 or higher and a minimum GPA of 2.00 in a student’s major courses are required. The independent study form is available in the Office of the Registrar (http://www.wcupa.edu/registrar).

Individualized Instruction

Individualized instruction is the teaching of a regular, listed catalog course to a single student. Individualized instruction is offered only when the University has canceled or failed to offer a course according to schedule. Students must obtain departmental permission for individual instruction and be registered by the end of the add/drop period. The individualized instruction form is available in the Office of the Registrar. (http://www.wcupa.edu/registrar)

Internships

An internship is a credit-bearing experience requiring students to provide discipline-specific, pre-professional work experience in a supervised setting. Internships consist of experiential courses offering hands-on experiences that occur in application-settings such as traditional work settings, research settings, and campaigns or private events. Internships are pre-planned experiences, thus may not be granted after completion of a work experience.

Earning Internship Credit

Students can expect to earn one internship credit for every 45 hours of work per semester, including site-based hours and related activities. A three-credit internship should include 135-180 hours of student work per semester. These hours should encompass both the time spent on site and time spent on any additional internship assignments turned in to the faculty supervisor. Students should check in with their major department for information on application requirements, as well as the maximum number of internship credits that can be applied to their major. The major department will determine if paid experiences are eligible for internship credit.

Supervision of Internships

Students taking an internship course at WCU should expect to be assigned a minimum of two supervisors: one site-based supervisor and one faculty supervisor. The faculty supervisor will act as liaison between the department and the site supervisor; grade internship assignments, such as student field logs, papers, etc.; and counsel students regarding their professional development, relating to the internship.

Graduate Credit

A senior (90 credits or more) pursuing a bachelor's degree who has an overall grade point average of 3.00 may, with the permission of the major advisor, course professor, department chair of the course, the Dean of Graduate Studies, and the vice provost, enroll in up to six credits of graduate-level course work. The student must be at the senior level with the designated grade point average at the time the course begins.

If the course is dual numbered, the undergraduate must take the undergraduate-level course and apply it towards the bachelor’s degree. If the course is not dual numbered, but at the 500 level or above, the course may count either as undergraduate credit towards the bachelor's degree or as graduate credit.

If the student wishes to have the credits count towards the bachelor's degree, the student must submit a completed "application for an undergraduate student to take a graduate course for undergraduate credit." The form is available in the Office of the Registrar (http://www.wcupa.edu/registrar). If, on the other hand, the student wishes to have the credits count towards a graduate degree, he or she must submit a completed "application for an undergraduate student to take a graduate course for graduate credit." The form is available in the Graduate Office (http://www.wcupa.edu/Grad).

Individual departments have the right to implement more stringent academic standards for courses within their departments. Any student not meeting University or departmental standards when the appropriate semester begins will not be permitted to enroll.

If a course is taken for undergraduate credit, no additional fees will be required. If a course is taken for graduate credit, the student must pay graduate tuition and applicable fees for that course. A student not carrying 12 hours of undergraduate credits will be charged at the appropriate hourly tuition rates for both the undergraduate and graduate credits. All other fees will be charged at the undergraduate level.

No more than six credits taken under this policy may be applied to the master’s degree. Students may not elect to change between undergraduate and graduate credit after the term or semester has begun.

Undergraduate students approved to take a graduate course for undergraduate credit are bound by the undergraduate catalog policy on repeats and withdrawals. Undergraduate students approved to take a graduate course for graduate credit are bound by the graduate catalog policy on repeats and withdrawals.

Undergraduate Student Attendance Policy

Each professor will determine a class attendance policy and publish it in his or her syllabus at the beginning of each semester. When a student fails to comply with the policy, the professor has the right to assign a grade consistent with his or her policy as stated in the syllabus.
Absences cannot be used as the sole criterion for assigning a final grade in a course. Excused absences, in accordance with the Excused Absences Policy, will not result in a penalty, provided the student follows this policy. University departments or programs may establish attendance policies to govern their sections as long as those policies fall within these guidelines.

**Excused Absences Policy**

I. Students participating in University-sanctioned events such as, but not limited to, the Marching Band and NCAA athletic events, will be granted an excused absence(s) by the respective faculty members for class periods missed. Students will be granted the privilege of taking, at an alternative time to be determined by the professor, scheduled examinations or quizzes that will be missed. The professor will designate such times prior to the event and the make up should be as soon as possible following the missed class. Professors can provide a fair alternative to taking the examination or quiz that will be missed. Students must recognize that some activities cannot be directly made up (e.g., a laboratory, group presentation, off-campus experience), and faculty will arrange a fair alternative to the missed work. Students must submit original documentation on University letterhead signed by the activity director, coach, or advisor detailing the specifics of the event in advance. Specific requirements include the following:

1. Responsibility for meeting academic requirements rests with the student.
2. Students are expected to notify their professors as soon as they know they will be missing class due to a University-sanctioned event.
3. Students are expected to complete the work requirement for each class and turn in assignments due on days of the event prior to their due dates unless other arrangements are made with the professor.
4. If a scheduled event is postponed or canceled, the student is expected to go to class.
5. Students are not excused from classes for practice on nonevent days.

The following are specifics for the student athlete:

1. The student athlete is expected, where possible, to schedule classes on days and at hours that do not conflict with athletic schedules.
2. Athletes are not excused from classes for practice or training-room treatment on nongame days.

II. West Chester University recognizes required (non-voluntary) service in the United States military including the Pennsylvania National Guard as a legitimate reason to miss up to the equivalent of 2 weeks during a 15-week semester. Service members must submit a copy of their orders to the Registrar’s Office. The Registrar’s Office will communicate with respective faculty members and the student will be granted an excused absence(s) for the class periods missed. All points covered in part I of this policy including make-up work and specific requirements 1-4 also apply. Service members required to miss more than the equivalent of 2 weeks during a 15-week semester can withdraw from the term in a non-punitive manner in accordance with Pennsylvania state law. Students are expected to work closely with faculty and the Registrar’s Office to ensure their academic success. Students in programs with external accrediting bodies must also be aware that there may be attendance requirements that cannot be made up.

III. In the event of a student’s unplanned medical emergency, including serious health conditions as outlined in the Family and Medical Leave Act, or the death of a student’s immediate family member, faculty members are expected to provide, within reason, an opportunity for students to make up work. Students are responsible for providing proper documentation and will work with respective faculty members to make up course work as described in part I of this policy. Students are encouraged to contact the Assistant Dean of Students and refer to the website on Student Assistance (http://www.wcupa.edu/_services/stu.sai) for additional information.

IV. Consistent with guidelines set forth by the Family and Medical Leave Act, students who become parents of new children or have children with serious health conditions that require the student-parent to miss up to the equivalent of 2 weeks during a 15-week semester shall be given an excused absence for the courses that are missed. Students will work with respective faculty members to make up course work as described in part I of this policy. Students required to miss more than the equivalent of 2 weeks during a 15-week semester can withdraw from the term up until the term-withdraw deadline. Students required to miss more than one semester should also refer to Admissions policy on consecutive non-enrollment. Students are encouraged to contact the Assistant Dean of Students and refer to the website on Student Assistance (http://www.wcupa.edu/_services/stu.sai) for additional information.

V. West Chester University recognizes excused absences in accordance with federal and state legal statutes including but limited to compliance with jury duty, subpoenas, and notices of deposition. Such excused absences will be dealt with as described in part I of this policy.

**Closed Captioning Policy**

West Chester University is committed to providing reasonable accommodations to qualified individuals with disabilities as defined by Sections 504 and 508 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. Individuals with hearing deficits or other documented disabilities can contact the Office of Services for Students with Disabilities (OSSD) (http://www.wcupa.edu/viceprovost/ussd/ossd) to set up alternative forms of classroom assistance.

The University recognizes that the most effective means of providing equal access to video media is through use of products with open or closed captioning and/or subtitles. When faculty utilizes essential video material, they should ascertain if a captioned version is available. If such a version is available, the faculty member is required to use it.

**Policy on Disruptive Classroom Behavior**

1. **Definition of disruptive classroom behavior**
   a. Disruptive behavior is defined as an act that is disorderly, that might include but is not limited to that which disrespect, disrupts, harasses, coerces, or abuses, and/or might threaten or harm property or person, so that it interferes with an orderly classroom, teaching process, or learning function.
   b. Such behavior originates in a classroom, faculty member's office, or other site so long as it is related to the academic classroom or classroom function.

2. **Limitation of Policy**
   a. This policy addresses only student classroom behavior as defined here. Nonacademic student behavior is addressed in the Student Code of Conduct and the Judicial Board process as outlined in the Ram’s Eye View.

3. **Classroom Management**
   a. This policy acknowledges the need for protection of academic freedom in the classroom, for faculty authority in classroom management, and for faculty and student safety in the classroom.

4. **Due Process**
   a. This policy respects faculty and student rights to due process in any event emanating from disruptive student behavior in the classroom.

**Process**

1. The first instance of disruptive behavior shall result in an immediate verbal warning by the faculty member. The faculty member shall advise the student of the existence of the Disruptive Classroom Behavior Policy and where it is published. Exception: A first instance in which disruptive behavior appears to compromise the safety of or is threatening to a faculty member or
Before an undergraduate student may register for independent study or any field placement, he or she must have an overall GPA of 2.00 or higher, and a GPA of 2.00 or higher in his or her major courses.

This policy does not supersede current departmental policies that have established higher standards. This policy does not prevent departments from setting higher GPA standards for undergraduate students within their major. Departments may also establish a minimum required GPA for all cognate courses for undergraduate students who wish to register for any of these courses.

Taking Courses Out of Sequence

Students may not enroll for credit in a more elementary course in a sequence after having satisfactorily passed a more advanced course in that sequence. For example, a student may not enroll for credit in FRE 101 after having satisfactorily passed FRE 201. Similarly, students who enroll in a course that requires less proficiency than placement or proficiency tests indicate they possess may be denied credit towards graduation.

Clearance Requirements for Field Experiences in the Professional Education Unit

All students participating in West Chester University academic courses that require participation in observation, practicum, field experience, or student teaching must provide up-to-date criminal background clearances prior to the fourth day of the semester in which they are enrolled in such courses. Students will provide clearances to the University in a manner stipulated by the dean of the College of Education and Social Work (http://wcupa.edu/education-SocialWork) in accordance with the WCU Professional Education Unit Policy Requiring Current Criminal Background Clearances for Enrollment in Field Experience Courses and Student Teaching. Students who fail to provide the proper clearances, as stipulated, will have their enrollment in the course revoked.

DEGREE INFORMATION

Degree Classification - Definitions

Degree Candidates

All undergraduates admitted to a degree program or to the undeclared major by the Office of Admissions (http://wcupa.edu/admissions) or through approved internal transfer recorded in the Office of the Registrar (http://wcupa.edu/registrar).

Non-degree Students

Non-degree is an academic term for "not formally accepted in a degree program." Non-degree students are permitted to enroll for coursework toward professional development, personal growth, or certification. High school students may attend on a non-degree basis with written permission of their high school principal or guidance counselor.

Dual Degrees

A student may elect to pursue a second undergraduate degree concurrently with the first, such as a B.S. in Computer Science and a B.F.A. in Studio Arts. If approved for a dual degree program, and in order to receive both degrees at graduation, the student must earn at least 30 credits beyond the requirements of the baccalaureate program, with 150 credits being the fewest required credits. When a student is enrolled in dual degree programs:

1. The student may not be graduated until both the degrees are completed.
2. All requirements for the curriculum of each degree must be satisfied.
3. A course required in both degree programs does not have to be repeated for the second degree.
4. All University requirements such as minimum GPA and number of credits taken at West Chester University in the major must be met for each degree separately.
Policy Requirements

First year students who entered West Chester University as undeclared/pre-major must declare a major at the completion of 45 West Chester University earned credits. This is most often equivalent to three semesters of full-time study at the University. Transfer students (Internal and External) who are undeclared must declare a major after two semesters of full-time study as an undeclared student. Students must be in good academic standing and must meet all admission requirements specified by the program s/he plans to transfer into. Exception to this policy may be granted to students who are planning to declare a major with highly restrictive admission requirements and may need additional semesters to complete those requirements. Any undeclared student who does not declare a major within the stipulated period of time will be required to develop an action plan addressing his/her academic area(s) of interest before the advisor hold will be lifted to enable the student schedule for the next semester.

Request to Postpone/Defer Declaring a Major

An undeclared/pre-major student may submit a request to defer declaring a major if the student is postponing major declaration because s/he has yet to complete the prerequisites for the anticipated major. The process of postponing a major declaration requires an established plan of action by the student, which must be approved by the student’s academic advisor, the chairperson of the department of Educational Development Services (EDS), and the dean/designee of University College.

ENROLLING IN AND WITHDRAWING FROM COURSES

First-Year Student Scheduling and Placement Exercises

In an effort to assist students in choosing the correct courses for their major and for timely progression to graduation, West Chester University creates a first semester schedule for all first-time, first-year students. Schedule prototypes are created by department faculty and reflect a combination of general education and major courses. All students are required to take the Mathematics Placement Exam and the WRITE Survey prior to New Student Orientation. Some students (all B.A. candidates and Exploratory Studies/Undeclared students) are required to take the Second Language Placement Exam. Results from these placement exams/surveys and other specific student information, including Dual Enrollment and AP courses (if known), are taken into account when creating a student schedule. Students may adjust their schedules one week prior to the beginning of the semester but are encouraged to seek the advice of their advisor or department chair.

Placement Exercises

Placement Portal

Each incoming first-year student is assigned a placement portal within their myWCU. The portal combines all the placement exercises the individual student is required to complete before they begin classes. The placement portal is unique to each student and contains the required exams and questions that are needed for placement purposes.

For the 2018-2019 academic year, the placement portal is available to all incoming first-year students. Transfer students will be assigned the placement portal if an equivalent to WRT 120 or higher is not transferred to WCU and should contact the Mathematics and Languages and Cultures offices if those placement exercises are required.

For more information on placement, see the sections on English placement (p. 101), mathematics placement (p. 114), and second language placement (p. 334).

Adding a Course

Students may add a course through the myWCU portal if the course has available seats and all prerequisites have been met. If a course is closed, the student should speak with the department chair about the possibility of obtaining permission to enroll. The drop/add period will extend to the eighth calendar day excluding holidays, and when the university is closed. For nontraditional semesters, such as summer and winter, the drop/add period will be adjusted to a percentage of the total class days excluding exams. See the academic calendar (http://wcupa.edu/registrar/calendar) for actual dates.

Dropping a Course

Students may drop any course from their schedule through the myWCU portal during the drop period. See the academic calendar (http://www.wcupa.edu/registrar/calendar) published on the Registrar’s Office website for the official drop deadline dates for each semester. After add/drop, students may do a course withdrawal through the myWCU portal. The deadline to withdraw from a course is the end...
of the ninth instructional week of classes. Course withdrawals will be noted on the transcript with a "W".

**Withdrawning from a Course**
A grade of W (withdrawal) will be entered on the academic record of any student who withdraws from a course after the add/drop period and before the end of the ninth instructional class week or the equivalent in summer sessions. Students may withdraw from a course through myWCU (https://my.wcupa.edu). A student may not withdraw from a course to avoid an academic integrity violation.

After the ninth instructional week of classes, students may not withdraw selectively from courses; they must contact the Office of the Registrar (http://wcupa.edu/registrar) and withdraw from the University. The University will record a "W" for all courses in which the student is registered. However, if the effective date of official withdrawal is during the last week of classes, a letter grade or NG will be assigned for that course. A student may not receive a W during the last week of classes.

Students who fail to withdraw from or drop a course officially can expect to receive a failing grade for the course and are financially responsible to pay for it.

**Scheduling Courses**
Students may not schedule more than one section of the same course in any given semester.

**Priority Registration Eligibility**
The following guidelines determine eligibility for priority registration status. Being eligible for priority registration does not guarantee that a group will receive the privilege.

Priority registration is limited to those students who meet at least one of the following criteria:

1. Students with a documented disability on file with the Office of Services for Students with Disabilities for their entire career
2. Academic Development Program (ADP) students in their first academic year
3. Student athletes and the students who are actively engaged in athletics as support personnel, if they must be present during all practices, which include the marching band and color guard
4. Students who are concurrently taking at least 6 on-campus credits while completing a clinical practicum (internship, field experience) that requires student participation at specified times for a significant part of most days of the week. The practicum must be part of the program’s required course work. The program must require that the student complete the practicum and all relevant work by a specified time in their academic progression.
5. Students who have a specific set of 2 or more courses, each of which meets at only one time during the semester, and each of which must be taken in a specific order to make satisfactory progress towards graduation. If the student may take the courses in an alternate sequence, or select from different sections of a given course, they are not eligible under this stipulation.
6. Students engaged in the study abroad program, during the semester that they are abroad
7. Veterans (see Act 46 of 2014). Any individual who has served or is currently serving in the United States Armed Forces, including a reserve component and National Guard; and was discharged or released from such service under conditions other than dishonorable service under conditions other than dishonorable

**Priority Registration Eligibility Categories**
Students who are eligible for priority registration have been divided into two categories:

**Enhanced Priority (EP):** These students meet criteria 1, 2, or 3; and schedule before any other students at the university, because they have been deemed as having the most critical need. They have 48 hours to schedule their classes. They include:
1. Academic Development Program (ADP) students
2. Athletes participating in fall events (EP for fall scheduling)
3. Athletes participating in winter events (EP for fall and spring)
4. Athletes participating in spring events (EP for spring scheduling)
5. Athletic team trainers and managers (EP for the season of their sports)
6. Students with Disabilities

**Priority Scheduling (PS):** These students meet criteria 4, 5, 6, or 7; and would priority schedule by class standing. They have 24 hours to schedule before the other members of their class. They include:
1. Honors Program students
2. Off-season athletes
3. Pre-Med/PPD students
4. Respiratory Therapy students
5. Study abroad students (when they need to register for their returning term)
6. ROTC students
7. University Ambassadors
8. Veterans

**Withdrawal from the University**

**Term Withdrawal**
Students are able to withdraw from all courses for a semester up until the term withdrawal deadline for the term and receive non-punitive grades of W for all courses. Please consult the academic calendar (http://www.wcupa.edu/registrar/calendar) for term withdrawal deadlines.

To withdraw, students must provide written notification of the withdrawal. The withdrawal date is the date the student submits the withdrawal form to the appropriate university office.

- **Undergraduate Students:** Return a completed and signed term withdrawal form to the Office of the Registrar.
- **Graduate Students:** Return a completed and signed term withdrawal form to the Graduate Studies Office.

**University Withdrawal**
Students who do not intend to continue at West Chester University may withdraw from the university. Students who elect to withdraw from the university would then need to apply for readmission if they wish to re-enroll in courses.

Students who have not attended West Chester University for three or more consecutive fall/spring semesters are classified as “Inactive” and withdrawn from the institution. Please see the undergraduate or graduate readmission policies under “Other Admission Information (p. 14)” for more information about re-enrollment after an absence.

**Administrative Withdrawal**
Under exceptional circumstances the University may administratively withdraw students from a semester. This is done when the student is unavailable to complete the term withdrawal process due to extenuating circumstances (for example, incarceration or hospitalization of the student).

The Registrar’s Office will determine the utilization of the administrative withdrawal process. This will be done after confirming non-attendance with the student's instructors and taking steps to confirm that the student is unable to complete the withdrawal process.

All courses will be given a grade of “W” for the indicated withdrawn term.
Involuntary Medical Withdrawal Policy
To foster an environment conducive to learning and assure the safety of the community, the University takes appropriate measures to address student conduct that is destructive to self or others or results in serious disruption of the learning environment. In extraordinary circumstances, the University may require a student to involuntarily withdraw from the University when it determines that the student poses a significant risk of harm and this measure is the only way to protect the student and/or others and/or to preserve the integrity of the learning environment.

Please refer to the following website for the entire West Chester University Involuntary Medical Withdrawal Policy: http://www.wcupa.edu/_services/stu.inf/documents/WCU-InvoluntaryMedicalWithdrawalPolicy.pdf.

Title IV Federal Financial Aid Compliance Policy
See “Withdrawal/Enrollment Change and Aid (p. 20)” for information about the effects of an official or unofficial withdrawal from a term on Title IV financial aid funds awarded to a student.

FINAL EXAM INFORMATION

Final Exam Policy
1. Individual faculty members may not change published final examination times.
2. No final examination may be given outside of the scheduled final examination time.
3. Any course not having a final examination will meet as directed by the instructor during the scheduled examination time, for a continuation of the regular class work.
4. Any student who has three or more final exams scheduled for the same day may, no later than one week prior to the final exam time, work with the individual instructors to arrange alternative exam times.

Please refer to the Academic Calendar (http://wcupa.edu/registrar/calendar) for each semester’s final exam schedule.

Exemption from Final Examinations
Students who have attained an A or B prior to the finals, have completed all other course requirements, and have the instructors’ permission may waive final examinations. This privilege is subject to several reservations.

1. Any unit examinations given during the final examination period are not subject to this policy.
2. Academic departments, as well as individual faculty, may adopt a policy excluding the final examination exemption for certain courses.
3. Mutual agreement between the instructor and the student to waive the final examination should be determined during the week prior to the beginning of the examination period.

The course grade will be the A or B earned exclusive of a final examination grade.

GRADE INFORMATION

Grading System

<table>
<thead>
<tr>
<th>Grade</th>
<th>Quality Points</th>
<th>Percentage Equivalents</th>
<th>Interpretation</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.000</td>
<td>93-100</td>
<td>Superior</td>
</tr>
<tr>
<td>A-</td>
<td>3.670</td>
<td>90-92</td>
<td>Superior</td>
</tr>
<tr>
<td>B+</td>
<td>3.330</td>
<td>87-89</td>
<td>Excellent</td>
</tr>
<tr>
<td>B</td>
<td>3.000</td>
<td>83-86</td>
<td>Excellent</td>
</tr>
<tr>
<td>B-</td>
<td>2.670</td>
<td>80-82</td>
<td>Excellent</td>
</tr>
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<td>C+</td>
<td>2.330</td>
<td>77-79</td>
<td>Average</td>
</tr>
<tr>
<td>C-</td>
<td>2.000</td>
<td>73-76</td>
<td>Below Average</td>
</tr>
<tr>
<td>D+</td>
<td>1.670</td>
<td>67-69</td>
<td>Below Average</td>
</tr>
<tr>
<td>D</td>
<td>1.000</td>
<td>63-66</td>
<td>Below Average</td>
</tr>
<tr>
<td>D-</td>
<td>0.670</td>
<td>60-62</td>
<td>Below Average</td>
</tr>
<tr>
<td>F</td>
<td>0.000</td>
<td>59 or lower</td>
<td>Failure</td>
</tr>
<tr>
<td>Z</td>
<td>0.000</td>
<td>59 or lower</td>
<td>Failure</td>
</tr>
<tr>
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<td></td>
<td></td>
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</tr>
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<td>NG</td>
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<tr>
<td>W</td>
<td></td>
<td></td>
<td>Withdrawal</td>
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<td>Failure</td>
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<tr>
<td>IP</td>
<td></td>
<td></td>
<td>In Progress</td>
</tr>
</tbody>
</table>

IP (In Progress)
Given to indicate work in progress and will be used only for courses involving work that is expected to extend beyond the end of the term, such as practica, internships, recitals, and research reports. A grade of IP is changed to an F automatically if the requirements have not been completed by the end of the ninth week of the equivalent semester in the following year. No student may graduate with an IP on the transcript.

NG (No Grade)
Given when a student fails to complete course requirements by the end of a semester for a valid reason. A grade of NG is changed to an F automatically if the requirements have not been completed by the end of the ninth week of the subsequent Fall or Spring semester. No student may graduate with an NG on the transcript.

W (Withdrawal)
Given when a student withdraws from a course between the end of the first and the end of the ninth class week of the semester or the equivalent in summer sessions.

M (Military Withdrawal)
In accordance with PA House Bill No. 1460: A grade of “M” will be given for military students and spouses who have to withdraw due to military obligation. PA National Guard and other reserve components called to active duty (for reasons other than for training) and their spouses will receive a grade of M when unable to complete classes due to activation for military obligations. Students are required to notify the Registrar’s Office to receive a non-punitive M grade and will be required to provide appropriate documentation.

Y (Administrative Withdrawal)
Given under appeal when there is documentation that the student never, in fact, attended class. Other extenuating circumstances regarding administrative withdrawal may be reviewed by the vice provost. No refunds are associated with this grade.

Z Grade
A grade received when a student stops attending a course and fails to officially withdraw from it. The grade is counted the same way that an F would count toward the cumulative average. The grade assigned to the student must reflect the percentage equivalent of the plus, minus, and straight grades earned in a course.

Cumulative Grade Point Average
The cumulative grade point average (GPA), sometimes called the cumulative index, is determined by dividing the total quality points earned for courses by the total credit hours attempted. The following example is based on a single semester:
34 divided by 15 equals a GPA of 2.267.

All grades received during a student’s enrollment (except the grades of P, NG, and IP, and when a second attempt produces a higher course grade and a grade replacement takes place) are included in the cumulative GPA. Grades for courses transferred from other colleges are excluded.

A student’s grades and GPA cannot change once he or she has graduated. The University will "seal" the GPA at the time of baccalaureate graduation, and if a student returns for post-baccalaureate or for second-degree work, then a new GPA will be started.

Grade Reports

After each semester, a report of each student’s semester grades is available on myWCU (https://my.wcupa.edu). This also can be accessed through the University’s main website (http://wcupa.edu).

Change of Grade Policy

Course grades are awarded by the professor of record and reported to the university registrar. These grades, other than NG or IP, are considered final, but may be changed at the discretion of the faculty member within nine weeks from the start of the subsequent Fall or Spring semester. Any change submitted after that date requires approval of the Provost or his/her designee. Appropriate justifications for changing a final course grade include, but are not limited to:

1. Computational error
2. Completion of coursework missed during the semester
3. Other

Deadlines for NG and IP Grade Changes

NG Grades

1. For undergraduate classes, NG grades must be replaced by a final grade by the end of the ninth week of the subsequent Fall or Spring semester, or they will automatically change to an F.
2. For graduate classes, NG grades must be replaced by a final grade by the end of the fourteenth week of the subsequent Fall or Spring semester, or they will automatically change to an F.

IP Grades

1. For undergraduate classes, IP grades must be replaced by a final grade by the end of the ninth week of the equivalent Fall or Spring semester in the following year.
2. For graduate classes, IP grades must be replaced by the final grade by the end of the fourteenth week of the equivalent Fall or Spring semester in the following year.

Grade Appeals

Scope of the Policy

The Grade Appeals Policy applies only to questions of student evaluation. Since appeals involve questions of judgment, the Grade Appeals Board will not recommend that a grade be revised in the student’s favor unless there is clear evidence that the final grade awarded for the class was based on prejudiced or capricious judgment, or was inconsistent with official University policy. Please refer to the Academic Integrity Policy for cases where the grade appeal involves a grade given for academic dishonesty. Grades are awarded by the faculty member of record and can only be changed by said faculty member, unless the Provost directs otherwise following the procedure outlined below.

Grade Appeals Procedure

1. (a) A student must initiate an appeal in writing within 20 class days from the date of the decision or action in question. In case of an appeal of a final grade, the appeal must be filed no later than the first 20 class days of the term following the one in which the grade was received. This written appeal should be sent to the instructor who awarded the grade in question. The appeal shall be reviewed by the student and the faculty member. They shall mutually attempt to resolve the appeal within five class days from the receipt.
   (b) If the appeal is based on an interpretation of departmental or University policy, the student’s academic advisor also may be present during the review process. In such case, there shall also be a limit of five class days in which to resolve the appeal.

2. An appeal not resolved at Step 1 shall be referred in writing by the student within five class days after the completion of Step 1 to the chairperson of the department offering the course. If there is a departmental appeals committee, the problem shall be referred directly to it. The department chairperson or the departmental appeals committee shall normally submit a written response to the student within 10 class days following receipt of the written statement of the problem. A copy of this response also shall be provided to the instructor.

3. If no decision satisfactory to all parties (faculty member, student, and department chair or department committee) is reached at Step 2, the student may submit a written appeal to the dean of the college or school in which the problem originated. Such an appeal shall be made within five class days following the receipt of the written response of the department chairperson or the departmental appeals committee. The dean shall investigate the problem as presented in the written documentation, review the recommendation and provide, in writing, a proposal for the solution of the problem within 10 class days following its referral.

4. If a mutually acceptable resolution to the problem is not achieved at Step 3, the student may file an appeal with the Grade Appeals Board within five class days of the receipt of the written proposal from the dean. The request for an appeal must be submitted to the vice provost or, if appropriate, to the dean of graduate studies who will convene the Grade Appeals Board as soon as possible, but no later than 15 class days after the receipt of the written request.

Grade Appeals Board

Membership on the board will include the following:

1. The Vice Provost and Dean of Graduate Studies (or his/her designee), who serves as nonvoting chairperson.
2. A faculty dean not involved in the appeals process.
3. Two faculty members. At the beginning of each academic year, the Office of the Vice Provost shall accept volunteers from each academic department in order to constitute the pool. Two faculty members from different departments will be selected randomly from this pool for each Appeals Board.
4. Two undergraduate students who are selected from a list of names provided by the Office of Student Conduct, or who are tutors of the LARC, or who are enrolled in the Honors College, or who are members of a WCU Honors Society. The director of the LARC, director of the Honors College, or the appropriate society advisor will provide the Office of Academic Affairs with a list of students who are willing to serve. Such students will be appropriately trained in procedures relating to this policy and the need for confidentiality in all aspects of the case.

Attendance

1. Both parties (faculty member and student) shall have the right to be assisted by advisors, who may be attorneys, and who may be present at hearings. The board chair must be notified in advance of the hearing who the advisors will be. The advisors may only consult and interact privately with their advisers, and may not address the board. Advisors who are disruptive to the process will be asked to leave the proceedings, and the matter will go forward absent their involvement.
2. Witnesses may be called on behalf of either the faculty member or the student.
3. Resource persons or expert witnesses may also called at the request of the board. In the event that the decision to be rendered by the
GRADUATION REQUIREMENTS AND INFORMATION

board involves knowledge of a particular discipline, the board shall be required to utilize at least one resource person from that discipline to serve as an expert advisor(s) to aid them in making an informed recommendation.

Procedure

1. Preparation for the Hearing - All parties must be informed of the complaint in writing by the chairperson of the Grade Appeals Board (hereafter referred to as "chairperson"), normally within five class days after the receipt of the complaint. Copies of documents and correspondence filed with respect to the complaint shall be provided to the interested parties through the chairperson. Thereafter, neither new evidence nor new charges shall be introduced before the board. The chairperson shall notify in writing the interested parties of the exact time and place of the hearing and shall provide existing University and/or Commonwealth policies relevant to the appeal at least five class days before the beginning of the proceedings. Throughout these proceedings, the burden of proof rests upon the person bringing the appeal.

2. Hearing Procedure - During the hearing, both the faculty member and the student shall be accorded ample time for statements, testimony of witnesses, and presentation of documents.

3. Recommendation of the Appeals Board
   a. The Grade Appeals Board shall deliberate in executive session and render a recommendation by majority vote within three days of the close of the hearing. The chairperson may participate in these deliberations but not vote.
   b. The chairperson of the Appeals Board shall notify, in writing, the student, the faculty member, and the chair of the department offering the course of the recommendation within three class days of the board’s final action. The notification shall include the basis upon which the recommendation was based.
   c. The chairperson of the Appeals Board shall also transmit the decision, in writing, to the provost or his/her designee. If the board recommends that a grade be changed, thus supporting the student’s appeal, it will forward that recommendation to the Provost and Academic Vice President, who makes the final decision to accept or reject the recommendation of the Appeals Board. Only the Provost and Academic Vice President has the authority to direct the registrar to change an existing grade.

Other

1. A written statement of the decision and relevant materials shall be placed in the student’s academic file.
2. A written statement of the decision and relevant materials shall be placed in the faculty member’s file subject to the provisions of official Commonwealth policy governing personnel files.

Notes

1. Both the faculty member and student are entitled to the "right of challenge for cause" of any member of the Appeals Board or student advisor with the sole exception being the chairperson of the Appeals Board. In the case of a challenge at the Appeals Board level, the chairperson of the board will adjudicate the challenge. One challenge at each level is permitted.
2. A "class day" is defined as any day when classes are officially in session, in fall or spring, at West Chester University.
3. If the course in which the grade dispute occurred is offered under the auspices of a unit of the University other than an academic department, the program director/Coordinator, head of that unit, and/or the department chairperson will function in Step 2 of the procedure. In Step 3, the appeal should then be made to the vice provost rather than the dean of the college.
4. If the professor is not on contract or in residence on the campus, he or she shall have the right to appoint a faculty proxy.

Dean’s List

The names of degree-seeking students who complete 12 or more graded hours in an academic semester and achieve a semester GPA of 3.670 or better are placed on the dean’s list. Non-degree students who complete a minimum of nine credits, have a GPA of 3.670, and no grade below a B in the semester also will be recognized on that semester’s dean’s list. Students should contact the dean’s office of their specific college to find out how and when the list is distributed.

GRADUATION REQUIREMENTS AND INFORMATION

Requirements for Graduation

A student is recommended for graduation upon the satisfactory completion of a minimum of 120 credits at the 100 level or above and upon fulfillment of all categories of the requirements for his or her degree. A minimum overall cumulative GPA of 2.00 (C) is required for graduation. The minimum GPA for majors and minors varies. Students should consult with their respective academic department. Specific programs, in accordance with University procedures, may set other higher standards and may require more than 120 credits for completion of the degree. Degree requirements are detailed under the heading of the subject field. See also "Requirements for the Baccalaureate Degree (p. 128)." A student must apply online for graduation no later than the end of the junior year, or after 90 credits have been earned. It is imperative that the student meet with his or her academic advisor. Students can view the graduation checklist on the Office of the Registrar website (http://wcupa.edu/registrar). Any student currently matriculated in the University may graduate after completion of 120 credits, PROVIDED:

1. He/she has completed all general education requirements, which include nine credits of free/student electives, that are specified in the catalog for the year that the student was most recently accepted into WCU.
2. AND he/she has completed all courses required by the major/minor, to include all supporting (cognate) courses.
3. AND the student has completed all degree requirements within the semester in which he/she intends to graduate. (Any unmet degree requirements can only be completed for that semester’s graduation date, if the attempt to complete the degree requirement was initiated prior to the end of the semester, and the requirement was completed within 30 days of the actual graduation date.)
4. AND the student has fulfilled the resident credit requirements. This requires at least 30 of the last 60 credits be earned at West Chester University and at least 50% of the major/minor be earned at WCU, excluding cognate courses.
5. AND the student has cleared all holds and financial obligations to the University.

The permanent student record (transcript) records all degrees, majors, and minors completed, and graduation honors. The diploma only lists the degree earned (e.g., Bachelor of Science), as well as graduation honors. Students earning two different degrees (e.g., B.S. and B.S.Ed) will receive a diploma for each.

Resident Credit Requirement

To qualify for graduation, a student must take at least 30 of his/her last 60 credits at West Chester University. Normally, the student will take the last 30 credits at West Chester. In addition, a student must take at least 50% of the courses in his/her major or minor discipline (excluding cognate courses) at West Chester University. For active-duty service members, the academic residency requirements will not exceed 25% of the undergraduate degree program.
Anticipated Time for Degree Completion
It is the expectation that a student should anticipate being able to graduate in eight consecutive fall/spring semesters. This expectation would not apply if any of the following conditions exist:

1. A student needs to complete developmental courses.
2. A student enters the major of graduation after the first semester of his/her first year.
3. A student transfers to West Chester University and has compiled courses that do not fit into his/her current program.
4. A student fails to meet the minimal standards of academic performance of the University of his/her major program.
5. A student chooses to repeat one or more courses.
6. A student fails to follow guidelines set forth to meet major or University requirements.
7. A student who selects the culture cluster option requires an extra semester to meet that requirement.

In order to graduate following (or within) the expectation, it is the student’s responsibility to consult with the major department for course scheduling guidelines in the major.

The expectation, however, is invalidated when the following conditions exist:

1. A program requires more than 120 credits for completion.
2. The sequencing of courses requires more than eight consecutive fall/spring semesters.
3. A program requires the completion of requirements that can only be met in summer.

Nothing in this policy prevents the offering of a program that does not meet expectations. Such programs, however, are so identified in the University catalog.

Each department will determine when its courses will be offered.

Required Notice of Intention to Graduate
Students intending to graduate must apply for graduation online through myWCU. The deadlines for when to apply are posted on the Office of the Registrar’s website (http://www.wcupa.edu/registrar). Students who need to take summer courses in order to complete degree requirements are considered August graduation applicants. August graduation applicants may participate in the May commencement exercises if they apply by the deadline.

Students must meet the deadlines in applying for graduation. These deadlines are set so that students have an opportunity to add/change courses in meeting final requirements, as well as have their name printed in the commencement program. Students who miss the deadline to apply online must apply late for graduation in person at the Office of the Registrar. Applying late will greatly reduce the opportunity for a student’s name to appear in the commencement program.

After applying for graduation online, students will receive an e-mail notification, which is sent to their University e-mail account, regarding their general education clearance. The graduation fee of $99 is applied to the student’s account as soon as a student submits the online application.

Students are encouraged to meet with their academic advisor for major/minor requirements prior to submitting their application to graduate.

Graduation Honors
Graduation honors are awarded as follows:

<table>
<thead>
<tr>
<th>Honor</th>
<th>Cumulative GPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>cum laude</td>
<td>3.250-3.499</td>
</tr>
<tr>
<td>magna cum laude</td>
<td>3.500-3.749</td>
</tr>
<tr>
<td>summa cum laude</td>
<td>3.750-4.000</td>
</tr>
</tbody>
</table>

The honors list for commencement is based on the GPA from the next-to-last semester before a student graduates. Those who do not attain honors distinctions until the end of their final semester will have recognition of their achievement on their diploma and final transcripts, where all honors distinctions are recorded.

MAINTENANCE OF ACADEMIC STANDARDS

Maintenance of Academic Standards: Probation and Dismissal
A student’s scholastic standing at the University is indicated by his or her cumulative grade point average (GPA). Three categories of academic standing have been established: good academic standing, probation, and dismissal. A student remains in good academic standing as long as he or she maintains a minimum cumulative GPA of 2.00 for all work taken at the University. Probation and dismissal are actions taken by the University when a student's GPA falls below an acceptable level at the end of the fall or spring term.

Conditions of Probation and Dismissal
Probation is defined as a trial period during which a student whose cumulative average has fallen below acceptable standards must bring his or her average up to those standards or be dismissed from the University.

An academic review is conducted at the end of each fall and spring semester, and at the end of the second summer session. Students are placed on probation or returned to good academic standing, depending upon their cumulative GPA. Students may be dismissed from the University only at the end of the fall or spring semester. The University will notify, in writing, each student who goes on academic probation or who is dismissed for academic reasons.

1. Students earning a 0.00 cumulative grade point average (CGPA) at the end of their first semester of full-time enrollment will be dismissed from the University.
2. Any other student falling below the 2.00 CGPA standard will be placed on probation for one full-time semester (12 credits). A notice of probation shall be printed on the student’s transcript, and the University will notify the student, in writing, that he/she is in danger of dismissal. The student who is placed on probation must see his/her advisor and develop an Academic Recovery Plan (http://www.wcupa.edu/ussss/arp/Login.aspx) (ARP). It is the student’s responsibility to contact the advisor and schedule an appointment to complete an ARP (see below).
3. Any student still below the 2.00 CGPA standard after one full-time semester of probation is subject to dismissal. A student may petition to receive extended probation. The special assistant for academic policy may grant one semester of extended probation to a student who:
   a. Has made progress toward academic good standing while following his/her Academic Recovery Plan.
   b. Has a reasonable mathematical chance of reaching a CGPA of 2.00 after one additional semester on probation.
   c. Continued probation is intended to allow students to complete their degree in a timely manner. If a student who has received a letter of dismissal is granted Continued Probation status, he/she must enroll within the next 12 months. If a student does not enroll for more than 2 consecutive semesters, when he/she applies for readmissions, they will be returned to dismissed status. The Readmission of Dismissed students aspect of the policy will now apply.
4. Any student who is still below the 2.00 CGPA standard after one full-time semester of extended probation (two consecutive full-time...
semesters on probation) will be dismissed. If the student went from full-time to part-time status as part of his/her Academic Recovery Plan, a third semester of probation may be permitted, provided that the student has had a semester GPA higher than 2.00 each semester since being placed on academic probation.
5. Any student who regains good academic standing, but again falls below the 2.00 CGPA standard, will be placed on probation and given a maximum of 12 credits to return to good academic standing.
6. A student may be placed on probation no more than twice; placement on probation for a third time will result in immediate dismissal from the University.

Dismissal from the University
1. A student may appeal his/her dismissal in writing to the special assistant for academic policy.
2. Nothing in this policy shall be taken to preclude the dismissal of students for violations of other University policies, in accordance with the provisions of those policies.
3. A student dismissed from the University may not take course work at the University until he or she applies and is readmitted to the University.

Readmission of Dismissed Students
1. No student will be considered for readmission earlier than one full calendar year after the time of dismissal.
2. Students readmitted to the University will have a maximum of two full-time semesters (24 credits) to reach a CGPA of 2.00. During that time, the student must maintain a GPA of at least 2.30 for each semester of work following readmission. Failure to maintain a GPA of 2.30 for each semester until the CGPA reaches 2.00 or higher will result in a second dismissal. Any student who is dismissed from the University for poor academic performance a second time is not eligible for future readmission.

If a student is approved to be readmitted to the University under the Academic Renewal Policy and the student was, prior to separation from the University, a candidate in a program leading to initial teacher education based upon the provisions of those policies.

If a student readmitted under academic renewal subsequently qualifies for formal admission to teacher education based upon the provisions of the Academic Renewal Policy, that student may seek a change of major to a teacher certification program under the prevailing internal transfer policy of the specific program.

Academic Recovery Plan
It is the responsibility of the student to schedule an appointment with his/her academic advisor as soon as possible after learning that he/she is on probation. The meeting should take place no later than the third day of the first semester on probation to allow time to adjust that semester’s schedule, if necessary. The student will develop an Academic Recovery Plan (ARP) at that meeting, with the advisor’s assistance.

The ARP is intended to identify the problems that contributed to a student going on academic probation and list steps that he/she will take to correct the problems. Students must commit to the changes in behavior necessary to achieve academic success. Steps to be taken might include regular class attendance, repeating failed courses, decreasing the number of credits attempted in a semester, taking reading/study skills courses, decreasing the amount of time spent working or in extracurricular activities, or taking a semester off to deal with personal or financial problems. The completed ARP electronic form is copied to the student, the advisor, and the office of the special assistant for academic policy.

Academic Renewal Policy
The Office of the Vice Provost through the special assistant for academic policy, at its discretion, offers academic renewal to students at the time they apply for readmission.
1. The Academic Renewal Policy permits West Chester University undergraduates whose GPA and total credits earned prevents them from meeting graduation requirements under the traditional readmission policy. Students can be readmitted only once under the Academic Renewal Policy. The policy cannot be applied retroactively after a student is readmitted.
   a. A student must have had a minimum of a two-year absence from West Chester University.
   b. All grades for courses previously taken will remain on the WCU academic record. Academic Renewal will be noted on the student’s transcript. General education courses previously taken and passed with a grade of C or better will be maintained on the student’s record as T’s. A “T” designation allows for the credits to be counted but the grade will not be factored into the student’s new GPA.
   c. Departments may require their majors and minors to repeat any or all major, minor, cognate, and supporting courses, even if the student had earned a grade of C (2.00) or better in them if the program has an alternative minimum grade requirement.
   d. Beginning with readmission under the Academic Renewal Policy, students will be treated as first-time, first-year admitted students. Students will be granted all privileges and held to the same requirements of current first-time, first-year students (i.e., permitted to use the repeat policy, eligible for graduation with honors, etc.). Because these students are considered to be first-time admits, they have the option to apply for a different major than the one in which they were originally enrolled.
   e. Academic Renewal students will be treated as readmits in terms of catalog academic rulings. General education, degree requirements, major, minor, and cognate areas are based on the catalog in the year they were granted academic renewal.
   f. The Academic Renewal Policy is available for undergraduate students.
   g. Academic renewal may only be requested prior to the receipt of the undergraduate degree at West Chester University.
   h. Students who are granted Academic Renewal must meet with an advisor and complete an Academic Renewal Plan.

NON-DEGREE STUDENTS
“Non-degree” is an academic term used to describe students who are “not formally accepted into a degree-seeking program.” Registering as a non-degree student permits high school students to gain experience, gives current college students an opportunity to learn at another institution, and allows community members a chance to grow on a personal or professional level.

Non-degree students take the same courses as everyone else and earn the same college credit. Non-degree students are not eligible to receive financial aid; however, they may take advantage of other services offered by the University, including:

- Access to a myWCU student self-service account and email address
- Payment plans
- Student services, including use of campus libraries, computer labs, health services, and career development services

Candidates will be permitted to take classes at West Chester University as a non-degree student if they meet the minimum enrollment requirements based upon their highest level of education. Students must also possess the necessary prerequisite coursework and/or demonstrate, prior to enrollment, minimum performance competencies required for a particular course. There may be certain circumstances when a
former, denied, or recently accepted degree-seeking student may not be permitted to register in the non-degree program.

International citizens who are in the United States on a visa, with exception to a student visa or tourist visa, may be eligible for non-degree study. Certain visa types do allow for incidental study while maintaining their current visa status in the United States.

**Undergraduate or Graduate Non-Degree?**

All undergraduate level courses are defined by a 499 number or below, while graduate level courses are defined by a 500 number or above.

**Students are considered an Undergraduate Non-Degree Student if they:**
- Register for courses defined by a 499 number or below
- Are currently attending high school or are a current/former college student taking undergraduate level courses
- Have an Associate’s or Bachelor’s Degree and intend on taking undergraduate level courses
- Participate in the International or National Student Exchange Program or have been accepted into a Pre-Graduate Certificate Program.

**Students are considered a Graduate Non-Degree Student if they:**
- Register for courses defined by a 500 number or above
- Have a Bachelor’s Degree and intend on taking graduate level courses
- Plan to enroll in both graduate and undergraduate courses during the same semester

**Non-Degree Terms and Conditions**

All non-degree students must agree to the following:
- Enrollment in the non-degree program does not imply admission to the University. To make a request for formal admission into a degree-seeking program, students must apply through the Office of Admissions or the Office of Graduate Studies. Students denied formal admission to the institution are eligible to enroll in coursework through the non-degree program, assuming they meet the enrollment requirements for non-degree.
- Enrolling as a non-degree student to complete graduation requirements is not permitted. If a former student is looking to complete graduation requirements, they need to contact the Office of Admissions or the Office of Graduate Studies. After earning 9 credits, the student must apply for admission to a degree-granting program.
- Students without an undergraduate degree are limited to earning a maximum of 24 credits. After earning 24 credits, the student must apply for admission to a degree-granting program.
- Non-degree students are not eligible to receive financial aid and must pay all tuition and fees by their due date.
- Admission into the non-degree program is contingent on meeting the application requirements and supplying supporting documentation. Non-degree applications will not be processed until supporting documentation is received.
- Course registration is dependent on submission of supporting documentation, meeting the prerequisite requirements, course availability, and in some cases, department approval.
- All grades received will remain on the student’s permanent college transcript. Accordingly, release of those records is bound by the Family Educational Rights and Privacy Act. Information pertaining to student’s coursework will only be released to the student. For more information on this Act, see http://www.wcupa.edu/registrar/privacy.aspx.
- It is the responsibility of the student to activate their myWCU account, including email, once the student receives their WCU ID number. All communication with University staff and faculty members will be through the student’s West Chester University email account.
- The grades earned as a non-degree student remain on the student’s transcript and will be included in the computation of the cumulative GPA should a non-degree student be accepted into a degree-granting program.

**Career Credit Limits**

**Undergraduate**
- Students without an undergraduate degree are limited to earning a maximum of 24 credits.
  - After earning 24 credits, the student must apply for admission to a degree-granting program.

**Graduate**
- Students completing graduate courses are limited to earning a maximum of 9 graduate credits.
  - After earning 9 credits, the student must apply for formal admission.

**Non-Degree Admission Requirements**

**Current High School Student - High School Dual Enrollment Program**

Dual enrollment students must be willing and able to accept the freedom and responsibilities associated with college attendance, interaction with college students, and exposure to the social and intellectual challenges of a college campus. Enrolling in a university course exposes students to a more diverse curriculum and culture, and they may be exposed to material deemed inappropriate for minors. The student must be able to work independently and monitor his/her own performance.

It is the responsibility of the student and their high school to determine how the coursework completed at WCU will fulfill specific secondary school graduation requirements.

**Admission Requirements**

In addition to the Undergraduate Non-Degree Terms and Conditions, dual enrollment non-degree candidates must meet the following requirements:
1. Must be a sophomore*, junior, or senior
   a. *If a student is a sophomore, the student’s principal or guidance counselor must submit a letter explaining the student’s academic and dispositional readiness for college-level work.
2. Minimum high school GPA of 2.80
3. Must possess necessary prerequisite coursework and/or demonstrate, prior to enrollment, minimum performance competencies required for the course
4. Must complete High School Registration Form(s)

**High School/GED Graduate**

**Admission Requirements**

In addition to the Undergraduate Non-Degree Terms and Conditions, non-degree candidates must meet the following requirements:
1. Minimum GPA/Test Score
   a. High School Graduates: Minimum GPA of 2.80
   b. GED Graduates: Score of 150 on each GED test, equaling a combined score of 600
2. Must possess necessary prerequisite coursework and/or demonstrate, prior to enrollment, minimum performance competencies required for the course.
NON-DEGREE STUDENTS

Current or Former College Student

Any current college students taking classes at West Chester for the purpose of having the credits transferred to their home institution are responsible to determine if the home institution will accept the credits earned and must arrange to have an official transcript sent from West Chester University to the home institution.

Admission Requirements

In addition to the Non-Degree Terms and Conditions, current/former college students seeking to enroll in undergraduate courses must meet the following requirements:

1. Minimum college GPA of 2.00 from current or most recent accredited institution attended
2. Must possess necessary prerequisite coursework and/or demonstrate, prior to enrollment, minimum performance competencies required for the course
3. Cannot be a former WCU degree-seeking student looking to take classes towards degree completion
   a. Any former degree-seeking student interested in returning to complete a degree must contact the Office of Admissions. Any non-degree application filed for this purpose will not be honored.

College Graduate: Post-Baccalaureate Applicants Taking Undergraduate Courses

Admission Requirements

In addition to the Non-Degree Terms and Conditions, post-baccalaureate non-degree candidates must meet the following requirements:

1. Minimum GPA of 2.0 from the accredited institution that issued degree
2. Proof of undergraduate degree with confer date specified
3. Must possess necessary prerequisite coursework and/or demonstrate, prior to enrollment, minimum performance competencies required for the course

College Graduate: Post-Baccalaureate Applicants Taking Graduate Courses

Admission Requirements

In addition to the Non-Degree Terms and Conditions, non-degree candidates seeking to enroll in graduate courses must meet the following requirements:

1. Minimum GPA of 2.0 from the accredited institution that issued degree
2. Proof of undergraduate degree with confer date specified
3. Must possess necessary prerequisite coursework and/or demonstrate, prior to enrollment, minimum performance competencies required for the course

College Student Who Attends Another University in the Pennsylvania State System of Higher Education

West Chester University is a member of the Pennsylvania State System of Higher Education (PASSHE). As a member, we can offer our students, as well as students who attend other PASSHE institutions, a larger variety of classes without loss of institutional residency, eligibility for honors or athletics, or credits towards graduation at the home institution.

Read more on the PASSHE Visiting Student Program standards by clicking here: http://www.wcupa.edu/registrar/documents/PASSHEApplicationVisitingStudentStatus.pdf

Not sure if you attend a PASSHE institution? Please visit this website to check: http://www.passhe.edu/Pages/default.aspx

Senior Citizens

Senior Citizens can take courses as a non-degree student at the Undergraduate or Graduate level in accordance with our Senior Citizen Policy (p. 14).

High School Dual Enrollment

Dual enrollment students must be willing and able to accept the freedom and responsibilities associated with college attendance, interaction with college students, and exposure to the social and intellectual challenges of a college campus. Enrolling in a university course exposes students to a more diverse curriculum and culture, and they may be exposed to material deemed inappropriate for minors. The student must be able to work independently and monitor his/her own performance.

It is the responsibility of the student and their high school to determine how the coursework completed at WCU will fulfill specific secondary school graduation requirements.

Admission Requirements

In addition to the Undergraduate Non-Degree Terms and Conditions, dual enrollment non-degree candidates must meet the following requirements:

1. Must be a sophomore, junior, or senior
   a. If a student is a sophomore, the student’s principal or guidance counselor must submit a letter explaining the student’s academic and dispositional readiness for college-level work.
2. Minimum high school GPA of 2.80
3. Must possess necessary prerequisite coursework and/or demonstrate, prior to enrollment, minimum performance competencies required for the course
4. Must complete High School Registration Form(s)

Applicants seeking dual enrollment, as well as their parents/guardians, must confirm understanding of the following:

1. The dual enrollment student must comply with all University policies, including requirements for attendance, class and campus behavior.
2. Enrolling into WCU courses does not guarantee admission to degree candidacy.
3. The dual enrollment students must be willing and able to accept the freedom and responsibilities associated with college attendance, interaction with college students, and exposure to the social and intellectual challenges of a college campus. Enrolling in a university course exposes students to a more diverse curriculum and culture, and they may be exposed to material that may be deemed inappropriate for minors.
4. The student must be able to work independently and monitor his/her own performance. Further, the student will have access to all student services offered to the traditional college student; however, progress will not be monitored by the University.
5. The grades received in university courses will remain on the student’s permanent college transcript. Accordingly, release of those records is bound by the Family Education Rights Privacy Act. Information pertaining to student’s coursework will only be released to the student, not to parents or school officials. (For more info on this Act, see http://www.wcupa.edu/Registrar/privacy.aspx.)

Students who have IEPs or otherwise qualify for accommodations, please see the Office of Services for Students with Disabilities (OSSD) website at www.wcupa.edu/ossd for information on the level of accommodation provided for college courses. Please contact the OSSD (ossd@wcupa.edu) to submit appropriate disability documentation.

Note: It is the responsibility of the student and the high school to ensure that courses completed at WCU will fulfill specific secondary school graduation requirements.
SERVICES FOR STUDENTS WITH DISABILITIES

Office of Services for Students with Disabilities (OSSD)

The Office of Services for Students with Disabilities (http://www.wcupa.edu/ossd) (OSSD) offers services for students with physical and learning disabilities. The OSSD is designed to assist students in making a successful transition to the University. The office takes a proactive stance that encourages students to understand their needs and strengths in order to best advocate for themselves.

West Chester University recognizes that some students with disabilities want minimal assistance while others require the full range of support and services. The staff of the OSSD supports students as they become more self-reliant by emphasizing their knowledge and communication skills and the understanding of their rights and obligations under the law. To facilitate successful transition a comprehensive assessment of needs is recommended through this office.

The OSSD provides advocacy with faculty for classroom accommodations under the requirements of Section 504 and the Americans with Disabilities Act. Recent, appropriate, and comprehensive documentation provided by licensed professionals must accompany requests for accommodations.

The OSSD coordinates provision of direct services for students with disabilities through support staff in the research and technical areas of the University. The office also advocates in the readmission procedure, with the offices of Financial Aid and the Registrar, and supplement advising services to the extent that the information or assistance is disability related and necessary to promote student access.

The OSSD is located within the Undergraduate Studies and Student Support Services Division and coordinates services with other units within the division, such as the Learning Assistance and Resource Center and Exploratory Studies, as well as other University offices including the Writing Center and the Office of Residence Life and Housing. In order to ensure continuity of services, students should pursue such actions prior to enrollment. Students needing financial support for personal services or interpreters should register with the appropriate agency at least six months in advance of matriculation.

Office of Services for Students with Disabilities
223 Lawrence Center
West Chester University
West Chester, PA 19383
610-436-2564

Services Provided for Students with Disabilities

- Academic coaching
- Special summer orientation
- Specialized tutoring in English and math
- Central documentation file
- Advocacy with faculty
- Alternative test-taking arrangements
- Priority registration
- Note-taking support
- Study skills tutoring
- Alternate formatting assistance
- Adaptive technology
- Readers for visually impaired students
- Interpreters for deaf students
- Referrals for LD testing
- Peer support

Services Provided for Students Diagnosed with Dyscalculia

On the recommendation of the Office of Services for Students with Disabilities (OSSD), a student with a documented case of dyscalculia will be referred to the Department of Mathematics. He or she will be enrolled in either an individualized instruction in mathematics or, where appropriate, a regularly scheduled class, to accommodate his or her needs.

Closed Captioning Policy

West Chester University is committed to providing reasonable accommodations to qualified individuals with disabilities as defined by Sections 504 and 508 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. Individuals with hearing deficits or other documented disabilities can contact the Office of Services for Students with Disabilities (OSSD) (http://www.wcupa.edu/viceProvost/ussss/ossd) to set up alternative forms of classroom assistance.

The University recognizes that the most efficient means of providing equal access to video media is through use of products with open or closed captioning and/or subtitles. When faculty utilizes essential video material, they should ascertain if a captioned version is available. If such a version is available, the faculty member is required to use it.

ADA Classroom Accommodations

Notification of Classroom Accommodations Procedure

A student with a documented disability may request classroom accommodations. The Office of Services for Students with Disabilities (OSSD) will issue a copy of a letter of accommodation (to his/her WCU e-mail address) for the student to present to the faculty member of the course. This accommodation letter will inform the faculty member of the student’s specific academic needs. It is the responsibility of the student to present the letter of accommodation to the faculty member. Students with disabilities are held to the same academic standards as all other students. Faculty members are not required to provide accommodations prior to or retroactive from the date an accommodation letter is presented. Faculty members should contact the OSSD if they have questions about the accommodations outlined.

Appeals Regarding Classroom Accommodations

The University provides for an appeals process regarding classroom accommodations. Any and all efforts will be made with the understanding that a timely resolution is in the best interest of all parties involved. While an appeal is under review, the student is expected to attend classes and do assignments to the best of his/her ability and faculty members are expected to provide reasonable classroom accommodations to the best of their abilities. While an appeal is under review, the student and the faculty members of his/her courses are expected to make good faith efforts toward reasonable classroom accommodations and engage in the educational process. An appeal reviewed under this policy does not alter or interfere with the student’s right to file a complaint of discrimination on the basis of a disability with the University’s Office of Social Equity or to pursue a formal complaint with the Pennsylvania Human Relations Commission or the U.S. Department of Education, Office of Civil Rights.

1. If a student has concerns with the determination of accommodations by the OSSD, the student and the director of OSSD should first meet in order to resolve the matter. If they do not reach agreement, the student may initiate a formal appeal by contacting in writing the vice provost (for undergraduate students) or the graduate dean (for graduate students) (see section 3).

2. If a faculty member has concerns about the application of the accommodations to his or her course and/or a student feels the accommodations are not being adequately implemented, the student
and the professor should meet in order to resolve the problem. If these efforts are unsuccessful, either the faculty member or the student may request informal resolution through OSSD.

a. The student and/or the faculty member informs both OSSD and the chair of the department of the course within two work days following the meeting between the faculty member and the student about unresolved concerns for accommodations in the course.

b. Within one week after being informed of the concerns, OSSD will coordinate a meeting of the student, faculty member, and/or chair in an attempt to achieve a resolution by meeting with the student and/or faculty member. During this meeting, with the consent of the student, OSSD may further advise the faculty member of the student’s individual needs and the appropriateness of any recommended accommodations.

3. If resolution is not accomplished after informal meetings between OSSD, the student, faculty member, and chair, a formal appeal may be started. Either the faculty member or the student may initiate the formal appeal by contacting OSSD in writing; as appropriate, the vice provost or the Dean of Graduate Studies will then be notified. The formal appeal will proceed as follows:

a. Within the two weeks following the initiation of the formal appeal, a Classroom Accommodations Review Panel will meet. The vice provost and dean of graduate studies or his/her designee will convene the panel. The panel will consist of a dean of a school or college, a faculty member, and a student, each of whom will be from outside the department than the one in which the problem arose and selected from respective pools of individuals who have received training in ADA law and procedures; the dean shall serve as panel chair. Panel members will be informed in writing by the vice provost and dean of graduate studies at least a week in advance of the date, time, and place that the panel will be convened.

b. At the proceedings of the panel, the representative of OSSD shall present to the panel relevant information about the nature of the student’s disability and appropriate accommodations. Because this information is confidential, the student’s consent to the disclosure of the information must be obtained beforehand. In order to protect matters which are confidential, the panel may, upon its own motion or upon the request of any involved party, hear statements in private without the other parties being present.

If the situation involves a challenge to the OSSD director’s denial of a requested accommodation, the OSSD shall present information and documentation showing why such an accommodation is inappropriate.

If the dispute is related to the application of an accommodation in a particular course, the faculty member shall then present to the panel his or her concerns about the accommodation and shall have the opportunity to present any information or documentation that the faculty member believes is relevant. The panel may request that the chairperson of the academic department in which the dispute arose, or other faculty members who teach the same course, present any concerns that they may have regarding how the accommodations might create a fundamental alteration in the nature of the course.

The student shall have the opportunity, but shall not be required, to make a statement to the panel and to present any information or documentation which the student believes is relevant. The Office of Social Equity will be available to the panel for consultation on an “as needed” basis.

c. It shall be the function of the panel to make a recommendation to the provost concerning the appropriateness of the requested accommodations and/or a revision of the accommodations. The panel shall deliberate immediately following the meeting and shall render its recommendation by majority vote. The decision and any dissenting opinions of the panel shall be sent in writing to the provost within three work days by the panel chair.

d. The provost shall review the recommendation of the panel and render a final decision on the matter in writing to the student, the faculty member, and the OSSD director within one week after receiving the panel’s recommendation.

**TRANSFER, REVERSE TRANSFER, AP, AND OTHER CREDITS**

**Taking Courses Off Campus**

West Chester University students may take courses off campus and transfer the credit toward their degree. Credit for these courses will transfer to West Chester University only if the student received a grade of D or better in the course. Grades received in courses taken at other institutions are not calculated in the West Chester cumulative GPA. Only the credits are transferred. Students must also meet all minimum grade requirements in courses they wish to have transfer toward their major and/or minor program requirements. The equivalency of the desired course must be established before the student takes the course off campus. Prerequisites also must be met before courses will transfer back to West Chester University. Students who took and completed a course at West Chester University may not repeat the course at another institution and have the credit count towards their West Chester degree.

The Office of the Registrar (http://www.wcupa.edu/registrar) maintains a list of transfer equivalencies that have been established by the academic departments. West Chester University students who wish to take courses off campus must first check the list of established equivalencies to ensure the course has been approved for transfer. If students are interested in taking courses off campus that do not have an established equivalency, it is the student’s responsibility to have the chair of the West Chester University department that offers the course determine an equivalency. All students are required to submit a completed Transfer Credit Permission form to the Office of the Registrar (http://www.wcupa.edu/registrar) prior to taking any courses off campus.

**Transfer of Credit**

Credit may be awarded for equivalent courses completed at accredited institutions of higher education. A list of recognized accrediting organizations may be found on the Registrar’s website. Credit for work completed at an unaccredited institution, such as that from military training or other unaccredited organizations, may be awarded when accompanied by a transcript from the American Council on Education (ACE) or Joint Services Commission Transcript (JST). Credits from unaccredited institutions may also be granted on the recommendation of the student’s major department, in consultation with the college dean and transfer credit analyst. (See also “Admission to West Chester (p. 11)” and the section on “Taking Courses Off Campus (p. 88).”)

Grades of D or above will be accepted for transfer. Grades in a course submitted for transfer as a major and/or minor program requirement must meet the minimum grade required by the department. For example, if a program requires that a student earn a B or better in a major and/or minor program requirement, then the student requesting transfer credit from another institution must have earned a minimum of a B in the parallel course. If a student earns a lower grade than the requirement, the department may require that the course be repeated at West Chester University.

If a student changes his or her major and/or minor, grades originally approved for transfer will be re-evaluated by the new major/minor department.

No course equivalency transfer credit will be given for WCU courses numbered at the 400 level, unless the courses are taken at an institution that awards baccalaureate degrees. Departments have the right to accept courses for their majors as 199 or TRN 199.
Transcripts will be evaluated by the Office of the Registrar (http://www.wcupa.edu/registrar) prior to enrollment. Students will be sent a copy of the evaluation.

Transfer Credit Appeal Process

All questions regarding the transfer of credit to West Chester University should be directed to the transfer credit area within the Office of the Registrar. If students want to appeal a transfer equivalency decision, they must complete the Transfer Credit Appeal form, which is available on the Office of the Registrar’s (http://wcupa.edu/registrar) website. Students must complete and submit this form, along with a course description and/or syllabus, to the appropriate academic department for approval. If additional information is needed to further review the student’s appeal, it will be the student’s responsibility to provide this information. Please allow two to three weeks for departments to make a final determination.

Reverse Transfer Program

Through the Reverse Transfer Agreement, established between Pennsylvania Community Colleges and the Pennsylvania State System of Higher Education (PASSHE) Universities, West Chester University (WCU) is able to assist students who have transferred to WCU from a PA Community College complete their associate's degree while pursuing their bachelor’s degree at WCU.

Requirements for eligibility through WCU:

- The student must be enrolled at WCU.
- The student must have transferred to WCU from a PA Community College, with that PA Community College as the last institution attended.
- The student must have attended the PA Community College within the previous five years and have earned a minimum cumulative GPA of 2.0.
- The student must have earned a minimum of 45 credits (excluding remedial/developmental coursework) at their most recently attended PA Community College.
- The student must have successfully completed at least 15 credits at WCU.
- The student must have a minimum cumulative GPA of 2.0 at WCU. Only credits with a C or better from WCU will reverse transfer back to the previously attended degree granting PA Community College.
- The student must have earned and/or have in-progress a total number of 60 or more college-level credits from the PA Community College and WCU combined.
- The students must indicate their agreement to participate in this program via completion of the Reverse Transfer Release form (http://www.wcupa.edu/registrar/documents/ReverseTransferReleaseForm.pdf).

How it works:

- WCU will notify eligible students once they have completed a minimum of 60 credits, combined from both the PA Community College and WCU, and give them the opportunity to participate in the Reverse Transfer Program.
- Eligible students will complete a Reverse Transfer Release form (http://www.wcupa.edu/registrar/documents/ReverseTransferReleaseForm.pdf) and return it to the WCU Registrar's office. A WCU transcript will then be sent to the PA Community College for evaluation.
- If the PA Community College determines that degree requirements have been satisfied, the PA Community College will award the Associate's Degree.
- The PA Community College will send a final transcript to WCU, indicating conferment of the Associate's Degree.

Students will not be charged transcript or graduation fees by either institution for Associate degrees awarded through this program.

Questions may be directed to registrar@wcupa.edu (Registrar@wcupa.edu).

Advanced Placement Program

Courses taken under the Advanced Placement Program offered by the College Entrance Examination Board may be applied toward advanced placement in the University and/or toward credit requirements for graduation. For more information about the Advanced Placement Program, contact the College Board directly. For questions about West Chester University’s policy, see the information under “Test Credits” (http://www.wcupa.edu/registrar/testCredit.aspx) in the Transfer Credit Center on the registrar’s website.

Prior Learning Assessment

At West Chester University, the college-level learning students may have acquired outside the traditional classroom setting has value. West Chester University offers three options for students seeking credit for prior learning:

- CLEP – The College-Level Examination Program through CollegeBoard allows students to demonstrate their mastery of college-level material, through standardized tests, in introductory subjects to earn college credit. West Chester University accepts certain exams, for degree credit only, with a qualifying score of 50 or above. For more information about the exams accepted by West Chester University, please visit the Registrar's Office website: www.wcupa.edu/registrar/testCredit.aspx
- Credit by Examination – Students may receive credit for a course by taking a test. Students must coordinate the Credit by Examination with the appropriate academic department and submit the completed Credit by Examination form, with proof of payment, to the Registrar's Office prior to the end of the Drop/Add period. Additional information about Credit by Exam can be found on the Registrar's website: http://www.wcupa.edu/registrar/gradeCreditTypes.aspx or by referring to the Course Policies (p. 73) section of this catalog.
- Individualized Prior Learning Portfolio – Students may choose to develop a portfolio as a means of demonstrating their competency in a particular course. The portfolio should include an extensive description of the student’s learning and how it aligns with the learning goals of the particular course for which the student is seeking credit. Credit received through portfolio submission will appear as transfer credit.

Through the Prior Learning Assessment, students demonstrate that what they already know is equivalent to what they would have learned in a particular course. This knowledge could have been acquired through past work, training programs, volunteer service, cultural or artistic pursuits, hobbies and recreational pastimes, community or religious activities, organizational membership, adult education, noncredit courses, military training not evaluated for credit by ACE, or other experiences.

The process to obtain credit through Prior Learning Assessment is as follows:

- Students are responsible for identifying the particular course(s) for which they wish to seek credit through Prior Learning Assessment.
- If the course sought is available through CLEP, that becomes the only PLT option available to the student. Students are responsible for registering for the appropriate CLEP exam and ensuring the official CLEP transcript is sent to the Office of the Registrar (http://www.wcupa.edu/registrar). Students can register for CLEP exams through the Professional Testing Center (http://www.wcupa.edu/_academics/coe/testingCenter.aspx).
- If the course sought is not available through CLEP, the student should contact the appropriate academic department to determine

http://www.wcupa.edu/_academics/coe/testingCenter.aspx

http://www.wcupa.edu/registrar/documents/ReverseTransferReleaseForm.pdf
their best option: Credit by Examination or an Individual Prior Learning Portfolio.

- Students who will be completing an Individual Prior Learning Portfolio should obtain a syllabus, containing the learning goals, for the identified course or courses. The portfolio should clearly describe how the student’s learning satisfies the identified course(s) competencies/learning goals. Students should be prepared to provide supporting documentation, such as: course descriptions, certificates from training courses, job description, sample work, etc.

West Chester University will not transfer credit received through Prior Learning Assessments by other institutions. Students who received credit for prior learning from a previous institution will need to adhere to West Chester’s Prior Learning Assessment policy.

**GENERAL EDUCATION INFORMATION**

**The General Education Components**

**ACADEMIC FOUNDATIONS:**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>(WRT 120 and 200-level writing course)</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>Interdisciplinary Requirements</td>
<td>3</td>
</tr>
<tr>
<td>Diverse Communities Requirements</td>
<td>3</td>
</tr>
</tbody>
</table>

**SCIENCE REQUIREMENTS**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Astronomy</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>Geology</td>
<td>3</td>
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<tr>
<td>Physics</td>
<td>3</td>
</tr>
</tbody>
</table>

**BEHAVIORAL AND SOCIAL SCIENCE REQUIREMENTS**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Biology</td>
<td>3</td>
</tr>
<tr>
<td>Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>Economics</td>
<td>3</td>
</tr>
<tr>
<td>Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

**HUMANITIES REQUIREMENTS**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>History</td>
<td>3</td>
</tr>
<tr>
<td>Literature</td>
<td>3</td>
</tr>
<tr>
<td>Philosophy</td>
<td>3</td>
</tr>
</tbody>
</table>

**ARTS REQUIREMENTS**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art</td>
<td>3</td>
</tr>
<tr>
<td>Music</td>
<td>3</td>
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</tbody>
</table>

**ELECTIVES**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3</td>
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<tr>
<td>Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>Interdisciplinary Requirements</td>
<td>3</td>
</tr>
<tr>
<td>Diverse Communities Requirements</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits**

| Total Credits | 48 |

For more specific course information, see the General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements).

**Additional Baccalaureate Requirements**

- Writing Emphasis Requirements for all Baccalaureate Degrees
  
- Language and Culture Requirements for Bachelor of Arts and Bachelor of Music Degrees and Certain Bachelor of Science Degree Candidates

**General Education Goals Common to All Baccalaureate Curricula**

A broad education emphasizes the enhancement of oral and written communication skills and mathematics, and encompasses experiences in the humanities; the social, behavioral, and natural sciences; and the arts. At the same time, this education must be versatile because of the many new courses and areas of study that are constantly becoming available. At West Chester University, the general education program is designed to provide students with the knowledge, perspectives, and competencies expected of them as citizens of the state and of the world. The University believes that a liberal education base will prepare students to think and communicate as professionals, to understand social and global contexts of their lives, to transfer knowledge and skills from one setting to another, to recognize ethical implications of professional practice, and to balance the various dimensions of their personal and professional lives. Therefore, West Chester University strives to give students the abilities to:

1. Communicate effectively
2. Employ quantitative concepts and mathematical methods
3. Think critically and analytically
4. Demonstrate the ability to think across and about disciplinary boundaries
5. Respond thoughtfully to diversity
6. Make informed decisions and ethical choices

**Policy on General Education Requirements**

Students, both those matriculating as freshman and transfer students, who have not completed the academic foundations requirements in mathematics and English by the time they have earned 60 credits toward graduation must have the permission of the dean of their school or college (or his or her designee) to schedule additional courses.

A total of 48 credits of general education requirements must be completed for a baccalaureate degree. Those 48 credits are allocated among English composition, mathematics, diverse communities, communication, science, behavioral and social sciences, humanities, the arts, interdisciplinary studies, and student electives. Credit requirements for each area are provided in the following list. NOTE: Except for the nine student elective credits under Category IV, courses taken to satisfy general education requirements may not be taken pass/fail. This includes courses taken to satisfy interdisciplinary, diverse community, and writing emphasis general education requirements. Readmitted students are bound by the requirements in place for general education at the time of readmission.

Specific general education courses may be required by a major or minor program, but no course may have its numeric credits duplicated in any application. A student may use the course from one major to meet the requirements of the second major. In this case, the advisor will work with the student to determine which course(s) should be used to address any remaining credits. But in no case may a student graduate with fewer than 120 credits at the 100 level or above. Students should be aware that, although general education requirements have been met, major degree requirements may necessitate a specific minimum performance level in general education courses, e.g., a grade of C- or better.

The following is an example of a general education course that also fulfills program requirements: BIO 110 is a biology requirement and serves as a general education option.

Consult your major degree program for guidance. Students in the Honors College should consult the Honors College page (p. 313) concerning general education requirements.

**GENERAL EDUCATION REQUIREMENTS**

**APPROVED GENERAL EDUCATION COURSE LIST**

**Arts Distributive Requirement**

- AMF 251
- ARH 104, ARH 104, ARH 101, ARH 103, ARH 210, OR ARH 211
- ART 106, ART 111, ART 231, ART 113, OR ART 228
- DAN 150, DAN 132, DAN 133, DAN 134, DAN 135, DAN 136, DAN 210, DAN 137, OR DAN 138
- EGE 405
- ESP 305, OR ESP 309
- FLM 200
- GER 405
- MDA 240
- MHL 121, MHL 125, MHL 210, MHL 325, OR MHL 312
• MTC 110
• SPA 313
• THA 101, THA 103, THA 212

Behavioral and Social Science Distributive Requirement
• ANT 101, ANT 102, OR ANT 103
• ECO 111, ECO 112, OR ECO 200
• GEO 230, GEO 200, GEO 214, GEO 103, OR GEO 101
• PSC 213, PSC 101, OR PSC 100
• PSY 100
• SOC 200, SOC 240, SOC 245

Diversity Requirement
• ANT 347, OR ANT 321
• CLS 165, CLS 203, CLS 260, CLS 333, CLS 258, OR CLS 259
• COM 250
• CPL 120
• CRJ 360, OR CRJ 434
• CSD 270, OR CSD 270
• ECE 407
• EDA 230, OR EDA 341
• EDE 352, OR EDE 230
• EDR 341, OR EDR 400
• EGP 326
• ENG 382, OR ENG 240
• ESP 324, ESP 333, ESP 335, OR ESP 309
• GEO 312, OR GEO 204
• HEA 109, OR HEA 110
• HIS 451, HIS 349, HIS 373, HIS 368, HIS 368, HIS 362, OR HIS 424
• HON 312, OR HON 322
• KIN 254, OR KIN 246
• LAN 382
• LIN 211
• LIT 303, OR LIT 213
• MDC 250
• MHL 125
• MUE 332
• NSG 109, OR NSG 234
• NTD 200
• PHI 180, PHI 130, PHI 373, PHI 390, OR PHI 280
• PSC 301, PSC 101, PSC 340, PSC 323, OR PSC 348
• PSY 120, PSY 448, OR PSY 449
• SCE 350
• SPA 313
• SWO 225, OR SWO 351
• THA 250
• WOS 225, WOS 315, WOS 250, WOS 335, WOS 305, WOS 100, OR WOS 310
• WRH 210, WRH 301, WRH 301

English Composition Requirement
• WRT 120, WRT 200, WRT 205, WRT 204, WRT 206, WRT 208, WRT 220

Humanities Distributive Requirement
• CLS 165, CLS 260, OR CLS 261
• HIS 151, HIS 152, HIS 102, HIS 100, HIS 150, HIS 101, OR HIS 444
• LAN 100, OR LAN 100
• LIT 220, LIT 219, LIT 165, LIT 100, LIT 101, OR LIT 101
• PHI 150, PHI 201, PHI 207, PHI 101, PHI 180, PHI 125, PHI 350, PHI 206, PHI 220, PHI 100, PHI 282, OR PHI 280
• PHY 125

Interdisciplinary Requirement
• ACC 300
• AMS 200
• ANT 260, OR ANT 277
• CLS 329, CLS 201, CLS 371, CLS 270, CLS 368, OR CLS 280
• CRJ 434, OR CRJ 366
• DAN 300
• DHM 280, OR DHM 325
• EDF 300, OR EDF 255
• EFR 320
• EGE 323
• ENG 215
• ENV 102
• ERU 309
• ESP 319, ESP 300, ESP 324, ESP 316, ESP 317, OR ESP 317
• ESS 102
• GEO 204
• GST 110, OR GST 110
• HIS 308, HIS 302, HIS 329, HIS 305, HIS 306, OR HIS 323
• HON 381, HON 382, HON 351, HON 352, HON 451, HON 452, HON 320, OR HON 110
• KIN 246
• LAN 312
• LIT 309, LIT 250, OR LIT 370
• MAT 301
• MHL 201, MHL 212, OR MHL 301
• MTC 101
• NSG 222
• NTD 277
• PAX 200
• PHI 330, PHI 102, PHI 174, OR PHI 371
• PSC 318, OR PSC 304
• SCB 102, OR SCB 210
• SMD 210
• SOC 349
• SWO 225
• WOS 225, WOS 315, WOS 329, WOS 250, WOS 350, WOS 335, WOS 276

Language and Culture Requirement
• ANT 322, ANT 224, ANT 324, OR ANT 362
• ARH 384, ARH 383, ARH 382, ARH 385, OR ARH 389
• CLS 367, CLS 201, CLS 333, CLS 368, OR CLS 334
• COM 295
• DAN 380
• DST 357
• ECH 380
• EFR 320, EFR 350, EFR 330, OR EFR 401
• EGE 403, EGE 404, EGE 405, EGE 323, EGE 408, OR EGE 409
• EIT 360, OR EIT 321
• ERU 310, OR ERU 309
• ESP 311, ESP 319, ESP 300, ESP 324, ESP 333, ESP 305, ESP 334, ESP 335, ESP 306, ESP 307, ESP 309, ESP 318, ESP 355, ESP 316, OR ESP 310
• GEO 303, GEO 304, OR GEO 302
• HIS 317, HIS 423, HIS 427, HIS 318, HIS 319, HIS 411, HIS 412, HIS 323, HIS 315, HIS 316, HIS 324, OR HIS 328
• KIN 254
• PHI 270, PHI 271, PHI 272, PHI 415, PHI 273, OR PHI 220
• PSC 342, PSC 340, OR PSC 346
• THA 410, THA 410

American Sign Language Culture Cluster
• COM 295
• DST 357

Arabic Culture Cluster
• HIS 411, OR HIS 412
• PHI 220

Classical Civilizations Culture Cluster
• ARH 382
• CLS 367, CLS 201, OR CLS 368
• HIS 318, OR HIS 319
• PHI 270, PHI 271

French and Francophone Area Culture Cluster
• ARH 383, OR ARH 385
• EFR 320, EFR 350, EFR 330, OR EFR 401
• GEO 303
• HIS 427, HIS 435, OR HIS 328
• PHI 415
• PSC 342

German Culture Cluster
• EGE 403, EGE 404, EGE 405, EGE 323, EGE 408, OR EGE 409
• GEO 303
• HIS 423, HIS 435, OR HIS 323
• PHI 272, OR PHI 273
• PSC 342

Italian Culture Cluster
• ARH 384
• EIT 360, OR EIT 321
• GEO 303
• PSC 342
• THA 410, THA 410

Russian and Eastern European Culture Cluster
• ERU 310, OR ERU 309
• GEO 304
• HIS 425, OR HIS 324
• PSC 346

Spanish Culture Cluster
• ANT 322, ANT 224, ANT 324, OR ANT 362
• ARH 389
• CLS 333, OR CLS 334
• DAN 380
• ESP 311, ESP 319, ESP 300, ESP 324, ESP 333, ESP 305, ESP 334, ESP 335, ESP 306, ESP 307, ESP 309, ESP 318, ESP 355, ESP 316, OR ESP 310
• GEO 302
• HIS 317, HIS 315, OR HIS 316
• PSC 340

Public Speaking Requirement
• SPK 230, SPK 208

Science Distributive Requirement
• BIO 100, BIO 110, OR BIO 110
• CHE 100, CHE 107, CHE 103, OR CHE 160
• CSC 115, CSC 141, OR CSC 110
• ESS 101, ESS 170, ESS 111, ESS 130, OR ESS 112
• GEO 104, OR GEO 104
• PHI 125
• PHY 130, PHY 140, PHY 170, PHY 180, PHY 105, PHY 100, PHY 125, PHY 123

Writing Emphasis Requirement
• ACC 410
• ANT 312, OR ANT 364
• ARH 383, ARH 386, ARH 389, ARH 210, OR ARH 211
• BIO 220, BIO 220, OR BIO 440
• CHE 271
• CLS 367, CLS 165, CLS 369, CLS 201, CLS 371, CLS 270, CLS 362, CLS 361, CLS 260, CLS 261, OR CLS 368
• COM 405, COM 415, COM 404, COM 440, OR COM 445
• CRJ 360, CRJ 434, CRJ 306, OR CRJ 366
• CRW 201, CRW 202, CRW 203, CRW 305, CRW 301, CRW 303, CRW 302, CRW 304, CRW 306, OR CRW 306
• CSC 490, OR CSC 499
• CSD 204, CSD 333, OR CSD 350
• DAN 344
• DHM 280
• ECE 405, ECE 231, ECE 232, OR ECE 407
• ECO 350
• EDA 307
• EDE 200, OR EDE 352
• EDR 302, EDR 304, OR EDR 306
• EDS 306
• EGE 405
• EGP 220, EGP 322, OR EGP 402
• ENG 204, ENG 270, ENG 400, ENG 371, ENG 194, ENG 295, ENG 296, ENG 304, ENG 206, ENG 320, ENG 368, ENG 215, ENG 345, ENG 397, ENG 375, ENG 305, ENG 305, OR ENG 240
• ENV 455
• ERU 309
• ESP 300
• ESS 201, ESS 331, OR ESS 204
• FIN 375
• FLM 200, FLM 201, OR FLM 202
• FRE 305
• GEO 400, OR GEO 310
• GER 405
• HEA 310, HEA 472, HEA 315, HEA 306, HEA 342, HEA 440, HEA 478, HEA 420, OR HEA 434
• HIS 366, HIS 451, HIS 400, OR HIS 300
• HON 381, HON 382, HON 490, HON 351, HON 352, HON 451, HON 452, OR HON 383
• JRN 225, OR JRN 315
• LIT 202, LIT 203, LIT 230, LIT 231, LIT 272, LIT 274, LIT 302, LIT 303, LIT 306, LIT 335, LIT 336, LIT 337, LIT 338, LIT 339, LIT 340, LIT 342, LIT 204, LIT 165, LIT 370, OR LIT 213
• MAT 401, MAT 354, MAT 350, OR MAT 301
• MGP 220, OR MGP 335
• MGT 498, MGT 499, OR MGT 313
• MHL 454, MHL 455, MHL 459, OR MHL 301
• MTC 342
• MUE 332, OR MUE 331
• NSG 317
• NSL 212, NSL 311, OR NSL 312
• NTD 409, NTD 444, OR NTD 444
• PHI 330, PHI 102, PHI 340, OR PHI 310
• PHY 310, OR PHY 320
• PIA 427, PIA 425, PIA 423, PIA 424, OR PIA 426
• PLN 301, OR PLN 301
• PSC 343, PSC 230, PSC 320, OR PSC 200
• PSY 384, PSY 365, PSY 246, PSY 376, OR PSY 476
• SCE 350
• SMD 414, OR SMD 210
• SPA 310
• SSC 331
• SWO 495, SWO 300, SWO 351, OR SWO 491
• THA 306, OR THA 307
• WOS 225, WOS 250, OR WOS 310
• WRH 205, WRH 210, WRH 305, WRH 301, WRH 301

ARTS REQUIREMENT

Arts courses develop a student’s ability to think critically and analytically about the form and function inherent in the creative process.

Three credits required.

Course list

AMF

AMF 251. Foundations of Music Performance I. 3 Credits.
Foundations of Music Performance I is a performance-based class for non-music majors exploring the fundamental elements of music required to be a better musician and performer. This is the first semester of a two-semester sequence required for the Music Performance Minor.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Fall.

ARH

ARH 101. Art Appreciation. 3 Credits.
An introduction to painting, sculpture, architecture, and the decorative arts with emphasis on understanding the visual arts as universal human expression.
Gen Ed Attribute: Arts Distributive Requirement.
Distance education offering may be available.
Typically offered in Fall & Spring.
DAN 133. Jazz Dance 1. 3 Credits.
An introduction to the styles, technique, and rhythmic structures of jazz dance with emphasis on increasing movement capabilities and personal expression.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Fall & Spring.

DAN 134. Beginner's Ballet. 3 Credits.
This course is designed to teach fundamental ballet technique and vocabulary at the beginning level. The emphasis will be on using anatomically sound principles to promote efficient use of the body and develop kinesthetic awareness. The course also includes an overview of the history of ballet from its origins until the present day.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Fall & Spring.

DAN 135. Tap Dancing I. 3 Credits.
The primary purpose of this course is to introduce the fundamentals of tap dance technique, form, and function. Emphasis will be given to basic steps, building combinations, musicality, performance of movement, and understanding the historical background of tap dance as an art form.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Fall.

DAN 136. Introduction to Ballroom Dance. 3 Credits.
The purpose of this course is to teach students the basic steps for Ballroom Dance, both standard and Latin. Emphasis will be placed on lead and follow techniques, proper footwork and positions, and how to recognize and dance to different types of music. This course will enable the student to participate in social occasions requiring ballroom dancing skills, such as weddings, formal social and business parties, as well as informal occasions requiring the display of social graces.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Fall & Spring.

DAN 137. African Dance. 3 Credits.
Through readings, discussion, videos, movement, essays, and other intensive projects, this course will explore dance and music from West Africa and the African Diaspora.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Spring.

DAN 138. Hip Hop Dance I. 3 Credits.
The primary purpose of this course is to introduce the fundamentals of hip hop dance technique, form, and function. Emphasis will be given to basic steps; building combinations, musicality, and understanding the cultural influences through a theoretical and historical investigation of hip hop dance styles as an art form.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Spring.

DAN 150. Introduction to the Art of Dance. 3 Credits.
The purpose of this course is to provide the student with an introduction to dance as an art form as well as relate information regarding various aspects of dance. Topics include a brief history of dance, dance styles, dance in education, and dance production.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Fall & Summer.

DAN 210. The Dancer's Body. 3 Credits.
An exploration of the body systems, along with injury prevention and care, especially as it applies to the dancer. This course incorporates the physical practice of yoga, Pilates and other mind and body techniques as they apply to the preparation for the physical demands of dance technique.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Fall & Spring.

EGE 405. German Film: Expressionism to the New German Cinema. 3 Credits.
An analysis of German films from Expressionism to the present. We shall examine the films in terms of their political and social context and as works of art. Directors include Fritz Lang, Murnau, Wiene, Fassbinder, Herzog, Schlondorff, von Trotta, and Wenders. No knowledge of German required.

ESP 305. Spanish Cinema. 3 Credits.
This course will investigate the ways in which films participate in and create debates about the relationship between national identification, class, and gender. No knowledge of Spanish is required; taught in English.
Typically offered in Fall & Spring.

ESP 309. Latin America on Film. 3 Credits.
The course consists of the screening and analysis of several films dealing with Latin America. It addresses critical issues (the representation of history, the socio-economic construct, the political puzzle, ethnic diversity, racial and gender discrimination, criticism of institutions) of several Latin American countries. The films stand in strong contrast to the traditional and often stereotypical image of Latin America and Hispanics fabricated by Hollywood.
Typically offered in Fall & Spring.

FLM 200. Introduction to Film. 3 Credits.
A survey of the principal elements of film including photography, editing, sound, acting, and narrative.

GER

GER 405. A Survey of German Film. 3 Credits.
An analysis of German films from Expressionism to the present. We shall examine the films in terms of their political and social context and as works of art. Directors include Fritz Lang, Murnau, Wiene, Fassbinder, Herzog, Schlondorff, von Trotta, and Wenders. Taught in conjunction with EGE 405.
Pre / Co requisites: GER405 requires prerequisite of any 300 level German course.
Distance education offering may be available.

MDA

MDA 240. Integrating the Arts within the Elementary Classroom. 3 Credits.
This course is designed to prepare the elementary classroom teacher (PK-4) to teach academic subjects more meaningfully through the art disciplines of creative movement, music, and visual art. The emphasis of this course is to study how the integration of the arts into the curriculum can provide children with essential problem solving skills that use both creative and critical thinking.
Gen Ed Attribute: Arts Distributive Requirement.

MHL

MHL 121. Music in Culture and History. 3 Credits.
A course in appreciating music as an informed listener. Includes an introduction to the basic elements of musical style necessary for understanding music in its cultural and historical context, examination of the great European composers and their masterworks, and topics in popular music, jazz, and/or world music. No Prerequisites. Ability to read music is NOT expected.
Gen Ed Attribute: Arts Distributive Requirement.
Distance education offering may be available.
Typically offered in Fall & Spring.

MHL 125. Perspectives in Jazz. 3 Credits.
Guided listening to improve understanding and enjoyment of jazz with emphasis on jazz heritage, chronological development, and sociological considerations, culminating in an analysis of the eclectic styles of the 1960s and 1970s. Not open to music majors.
Gen Ed Attribute: Arts Distributive Requirement, Diversity Requirement.
Typically offered in Fall & Spring.

MHL 210. Music History I. 3 Credits.
An introduction to musical style and listening techniques within a historical context: (1) an introduction to style periods; (2) historical analysis of the eclectic styles of the 1960s and 1970s. Not open to music majors.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Fall & Spring.
MHL 312. Women in Music. 3 Credits.
A survey of the role that women played in the history of music from the Middle Ages to the present. Open to nonmusic majors and music majors without prerequisites.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Spring.

MHL 325. History of Rock. 3 Credits.
This course traces the development of 1950s rock and roll from its rhythm and blues and country and western sources through the world music influences of the 1970s and beyond. Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Spring.

MTC

MTC 110. Making Music. 3 Credits.
A study of basic elements of music for those without previous musical experience. For nonmusic majors only.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Fall.

SPA

SPA 313. Latin America on Film. 3 Credits.
This course consists of the analysis of several films about Latin America that address critical issues (history, politics, economy, religion, ethnic diversity, racial and gender discrimination) necessary to understand and appreciate Latin American culture.
Pre / Co requisites: SPA 313 requires prerequisites of SPA 301 and SPA 302.
Gen Ed Attribute: Arts Distributive Requirement, Diversity Requirement.
Typically offered in Fall & Spring.

THA

THA 101. Introduction to Theatre. 3 Credits.
A survey of theatre as a humanity by exploring how theatre reflects and comments on its time and place. This course teaches the student what to listen for, and what to look for, when attending a live theatre performance.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Fall, Spring & Summer.

THA 103. Acting I. 3 Credits.
A course designed to introduce the basic skills and techniques needed by the developing actor to create successfully a character for performance on stage.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Fall & Spring.

THA 212. Creative Drama. 3 Credits.
Theory and practice in creative techniques of expression and dramatic forms to be used as a teaching and recreational device for children and adults.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Spring.

BEHAVIORAL AND SOCIAL SCIENCES REQUIREMENT

Behavioral and Social Science courses develop a student’s ability to employ analytical and mathematical methods in examining the patterns and processes of human activities.

Six credits required.
Select courses from at least two of the following areas. Courses must be selected from outside the student’s major department.

Course List

ANT

ANT 101. Introduction to Anthropology: Biological. 3 Credits.
Fundamentals of human biological variation and evolution, including evolutionary theory and processes, human genetics, the nature of human biological diversity, adaptation, primate biology and behavior, the human fossil record, the evolution of disease, and population processes.
Gen Ed Attribute: Behavioral and Social Science Distributive.
Typically offered in Fall & Spring.

ANT 102. Introduction to Anthropology: Cultural. 3 Credits.
Comparative analysis of culture systems.
Gen Ed Attribute: Behavioral and Social Science Distributive.
Typically offered in Fall, Spring & Summer.

ANT 103. Introduction to Anthropology: Archaeology. 3 Credits.
Interpretation of culture through analysis of archaeological remains.
Gen Ed Attribute: Behavioral and Social Science Distributive.
Typically offered in Fall & Spring.

ECO

ECO 111. Principles of Economics (Macro). 3 Credits.
National income and its measurement. The determination of price levels, output, and employment. Money and credit, expenditures, and economic stability. Government fiscal and monetary policy.
Gen Ed Attribute: Behavioral and Social Science Distributive.
Distance education offering may be available.

ECO 112. Principles of Economics (Micro). 3 Credits.
Principles underlying use and allocation of scarce productive resources. Consumption and production activities. Value, price, and income distribution. Considerations of economic efficiency and welfare.
Gen Ed Attribute: Behavioral and Social Science Distributive.
Distance education offering may be available.

ECO 200. Personal Economics and Financial Planning. 3 Credits.
Students will acquire an understanding of the nature and scope of the economy and how it affects one’s life plans and goals. Topics covered include supply and demand, financial planning, personal taxes, retirement planning, investing in stocks and bonds, portfolio management, the time value of money, managing credit cards and debt, and insurance planning.
Gen Ed Attribute: Behavioral and Social Science Distributive.

GEO

GEO 101. World Geography. 3 Credits.
The scope of geography and understanding of the world’s regions generated by it. Human society is examined in a frame of spatial, environmental, and resource factors. Map skills and other ‘tools’ of geography are introduced.
Gen Ed Attribute: Behavioral and Social Science Distributive.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

GEO 103. Human Geography. 3 Credits.
An inquiry into the theoretical and applied approaches to the study of human spatial behavior and the distribution of social problems.
Gen Ed Attribute: Behavioral and Social Science Distributive.
Distance education offering may be available.
Typically offered in Spring & Summer.

GEO 200. Global Cities. 3 Credits.
GEO 200 introduces students to historical and current spatial patterns within global cities. This class will discuss the major concepts of urban development and growth, globalization, and city systems using lectures, class discussion, and videos. The goal of the course is to provide the students with an understanding of the basic principles of geography and apply those principles to the study of cities across the globe. The course emphasizes the environmental and human characteristics that make cities distinctive collectively and individually.
Gen Ed Attribute: Behavioral and Social Science Distributive.
Distance education offering may be available.
Typically offered in Summer.

GEO 214. Introduction to Planning. 3 Credits.
The methods of analyzing problems of urban and regional planning. Emphasis is placed on systems of housing, recreation, transportation, industry, and commerce.
Gen Ed Attribute: Behavioral and Social Science Distributive.
Distance education offering may be available.
Typically offered in Fall.

GEO 230. Environmental Conservation and Sustainability. 3 Credits.
An inquiry into the problems of resources protection, management and sustainability. Emphasis is placed on the United States.
Gen Ed Attribute: Behavioral and Social Science Distributive.
Typically offered in Fall & Spring.
DIVERSE COMMUNITIES REQUIREMENT

PSC

PSC 100. U.S. Government and Politics. 3 Credits.
Devoted to understanding how the system works: political action, elections, interest groups, civil liberties, Congress, the presidency, and the courts are among the topics considered. Seeks to provide a framework in terms of which process and current issues become meaningful.
Gen Ed Attribute: Behavioral and Social Science Distributive.
Typically offered in Fall, Spring & Summer.

PSC 101. Politics of Diversity in the U.S.. 3 Credits.
Uses the issues of our time as vehicles to an understanding of the political process. Emphasis is on American politics but in a world-wide perspective. Topics considered may include economic, race, gender, and civil liberty issues among others.
Gen Ed Attribute: Behavioral and Social Science Distributive, Diversity Requirement.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

PSC 213. International Relations. 3 Credits.
Politics among nations, including politics carried on through international organizations. Examines power politics, techniques of diplomacy, and methods of current international organizations. Special attention to U.S. interests and policies. Offered each semester.
Gen Ed Attribute: Behavioral and Social Science Distributive.

PSY

PSY 100. Introduction to Psychology. 3 Credits.
Introduction to the scientific study of behavior. The multiple bases of human behavior with emphasis on the learning process. Basic concepts, principles, and methodology. Students may be required to become familiar with an ongoing research study in psychology as an out-of-class assignment.
Gen Ed Attribute: Behavioral and Social Science Distributive.
Distance education offering may be available.

SOC

SOC 200. Introduction to Sociology. 3 Credits.
Fundamentals of the sociological perspective on human behavior.
Gen Ed Attribute: Behavioral and Social Science Distributive.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

SOC 240. Sociology of the Family. 3 Credits.
Comparative, historical, and cross-cultural analysis of the family institution.
Gen Ed Attribute: Behavioral and Social Science Distributive.
Distance education offering may be available.
Typically offered in Fall & Spring.

SOC 245. Environmental Sociology. 3 Credits.
Human society is currently threatening the environmental resources necessary to maintain life on Earth. This course unravels the deeper roots of our environmental crises and investigates potential solutions from a domestic and global perspective. Through lecture, films, and discussion we will focus on the interplay between social theories, social structure, social institutions, social inequality, social stratification, and the environment. Themes in this course will emphasize how culture shapes environmental processes and everyday life; articulate demographic theoretical perspectives of population growth; examine the social structure of society to better understand the social dynamics of environmental processes; and analyze environmental inequality along the bases of social class, gender, and race/ethnicity. This course is an introduction to the field, suitable for both majors and non-majors with interest in environmental issues and society.
Gen Ed Attribute: Behavioral and Social Science Distributive.
Typically offered in Fall & Spring.

DIVERSE COMMUNITIES REQUIREMENT

Embracing the goal of graduating students who are committed to creating a just and equitable society, diverse communities courses (or "J" courses) focus on historically marginalized groups and are framed by theories that lend understanding to the analysis of structural inequities. They seek to foster an informed and reasoned openness to an understanding of difference. The requirement for a diverse communities course may be fulfilled by any approved course with a "J." designation in the course schedule. Approved diverse communities courses are indicated as such in the catalog course description. A diverse communities course may simultaneously fulfill another degree requirement or distributive requirement in general education if it has the same prefix as those in the science, behavioral and social sciences, humanities, or arts categories within the distributed requirements. (For example, PSC 301 could count as a course within the behavioral and social sciences category.) If a "J" course is used to fulfill one of the distributive area requirements, general education student electives increase from nine to 12 credits as needed to reach 48 general education credits and 120 credits for graduation. At no time can any course substitute within the academic foundations area. A single course may fulfill the "I" and "J" requirements.

NOTE: A diverse communities course may only transfer to WCU if the course from a student's prior institution has been submitted to and approved by the Diverse Communities Committee of the Curriculum and Academic Policies Council (CAPC). Students must file a petition to transfer this type of course with the Office of the Special Assistant for Academic Policy.

Course List

ANT

ANT 321. American Indian Today. 3 Credits.
Native Americans in contemporary Anglo-America.
Gen Ed Attribute: Diversity Requirement.
Typically offered in Spring.

ANT 347. The Cultures of Cities. 3 Credits.
This seminar introduces students to the cultural dynamics of city life in the era of globalization. Topics of study include globalization, the politics of urban space, informal economies, and immigration.
Gen Ed Attribute: Diversity Requirement.
Typically offered in Spring.

CLS

CLS 165. Introduction to World Literature. 3 Credits.
This course is designed to introduce students to literature representative of both Western and non-Western cultures and can be taken as an alternative to LIT 165. Not open to English majors.
Distance education offering may be available.

CLS 203. African Studies. 3 Credits.
This course studies African culture through literature, anthropology, and history. It focuses on the socio-cultural and historical contexts of African writing through the colonial and postcolonial periods.
Gen Ed Attribute: Diversity Requirement.

CLS 258. Women's Literature I. 3 Credits.
A survey of women's literature from 1800 to the present. Readings are chosen from the works of Sappho, Aspasia, Diotima, Mutta, Auvaiyar, Sei Shonagon, Sule Sankavya, Murasaki, Hildegard, von Bingen, Mirabai, Marguerite de Navarre, Phillis Wheatley, Aphra Behn, Madame de Stael, Jane Austen, and Fanny Burney among others.
Gen Ed Attribute: Diversity Requirement.

CLS 259. Women's Literature II. 3 Credits.
A survey of women's literature from 1800 to the present. Readings are chosen from the works of Harriet Jacobs, Ida B. Wells, Louisa Alcott, Charlotte Bronte, Jane Rhys, Virginia Woolf, Marguerite Duras, Christa Wolf, Merce Rodoreda, Jamaica Kincaid, Tsitsi Dangarembga, Alifa Rifaat, Louise Erdrich, Cherrie Moraga, Maxine Hong Kingston, and Arundati Roy among others.
Gen Ed Attribute: Diversity Requirement.

CLS 260. World Literature I. 3 Credits.
A survey of world literary texts from pre-classical times to 1600.
CLS 333. Latina Writing. 3 Credits.
An examination of the literary works produced by Latinas in the 20th century. The study of this literature will include a cross-cultural approach that will elucidate sociopolitical themes emerging from the texts.
Typically offered in Fall.

COM

COM 250. Intercultural Communication. 3 Credits.
A study of factors that contribute to communication breakdowns between diverse cultures and between fragmented segments within the same society.
Gen Ed Attribute: Diversity Requirement.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.
Cross listed courses COM 250, MDC 250.

CPL

CPL 120. Leadership Theories for Today's Society. 3 Credits.
Introduction to the study of leadership theory and practice as it relates to the students' civic and professional development. The course content places special emphasis on leadership practices and the relationship between leaders and followers inspired by social inequities surrounding issues of race, ethnicity, class, gender and inclusion.
Gen Ed Attribute: Diversity Requirement.
Typically offered in Spring.

CRJ

CRJ 360. Race, Ethnicity and Criminal Justice. 3 Credits.
This course will explore the relationship between race and criminal justice, including the historical background of the role race has played in the system. The impact of race and ethnicity on discretion, sentencing, and disposition will be examined at the adult and juvenile levels. In addition, the causes and remedies of minority overrepresentation in the adult and juvenile criminal justice system will be explored.
Gen Ed Attribute: Diversity Requirement.
Typically offered in Fall, Spring & Summer.

CRJ 434. Experiencing Peru: Examining the Criminal, Social, and Economic Impact of Voices4Peru. 3 Credits.
This course, which includes a 13-day study abroad experience, will provide students with an in-depth comparison of social issues related to crime, education, gender, poverty, and race that prevail in the United States and in South America. This course was designed on the belief that cross cultural comparisons of governmental initiatives and grassroots movements significantly shape the expectations and quality of life for the majority of a nation's citizens. Course readings will examine criminological theories about race, class, and crime, while the social learning theories and current evidence-based practices will describe how social and cultural factors impact decision-making and problem solving skills.
Consent: Permission of the Department required to add.
Typically offered in Summer.

CSD

CSD 270. Introduction to Augmentative and Alternative Communication. 3 Credits.
The course is designed to introduce undergraduate students to a variety of augmentative and alternative communication (AAC) strategies (e.g., high-technology devices such as speech-generating computers and software programs and low-technology systems such as picture exchange communication) for people with communication disorders. Students will explore the Total Communication approach - an approach to Deaf education that includes a number of modes of communication such as signed, oral, auditory, written and visual aids - for interacting with individuals who have complex communication needs.
Gen Ed Attribute: Diversity Requirement.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

ECE

ECE 407. Diversity Perspectives in Early Childhood Education. 3 Credits.
This seminar will address the rewards and challenges of teaching in America's diverse classrooms.
Pre / Co requisites: ECE 407 requires formal admission into teacher education or Early Childhood Minor.
Gen Ed Attribute: Diversity Requirement, Writing Emphasis.

EDA

EDA 230. Inclusive Classroom. 3 Credits.
The purpose of this course is to prepare preservice early childhood, elementary and special education students to teach students with disabilities effectively in general education settings. The course will be co-taught by special education and early childhood education faculty.
Gen Ed Attribute: Diversity Requirement.

EDA 341. Inclusion & Reading in the Content Area. 3 Credits.
This course is co-taught by special education faculty and literacy faculty. It will help prepare secondary education and special education majors to effectively teach all students, including those with disabilities, in general education, content-specific settings. Practical guidelines, content literacy strategies, and adaptations will be emphasized to prepare pre-educators to meet the academic, social and affective needs of all students in the inclusive secondary classroom.
Pre / Co requisites: EDA 341 requires prerequisites of EDP 250, and EDF 100 or EDF 300. Honors students take HON 312 in lieu of EDF 300.
Gen Ed Attribute: Diversity Requirement.
Cross listed courses EDA 341, EDR 341.

EDE

EDE 230. Inclusive Classroom. 3 Credits.
The purpose of this course is to prepare preservice early childhood, elementary, and special education students to teach students with disabilities effectively in general education settings. The course will be co-taught by special education, early childhood education, and elementary education faculty.
Gen Ed Attribute: Diversity Requirement.
Typically offered in Fall & Spring.

EDE 352. Self and Group Processes Diverse Classroom. 3 Credits.
Analysis of self processes influencing teacher-student classroom interactions. Role of needs, defenses, motives, emotions, and early learning experiences as they shape the prospective teacher’s responses to elementary children. Application of social learning and interpersonal theory.
Pre / Co requisites: EDE 352 requires prerequisites of EDE 251 and formal admission into teacher education.
Gen Ed Attribute: Diversity Requirement, Writing Emphasis.

EDR

EDR 341. Inclusion and Reading in Content Area. 3 Credits.
This course is co-taught by special education and literacy faculty. It will help prepare secondary education and special education to teach all students effectively, including those with disabilities, in general-education, content-specific settings. Practical guidelines, content literacy strategies and adaptations will be emphasized to prepare pre-educators to teach all students effectively in general education settings.
Pre / Co requisites: EDR 341 requires prerequisites of EDP 250 and EDF 100 or EDF 300. Honors students take HON 312 in lieu of EDF 300.
Gen Ed Attribute: Diversity Requirement.

EDE 400. Literacy, Diversity, & Equity in K-12 Classrooms. 3 Credits.
In this course, students will explore literacy as a critical social practice. We will focus on the ways that literacy education has the potential to exclude, oppress, liberate, and empower students who have been historically marginalized in school settings because of their race, class, gender, and sexuality. Students will develop specific tools, stances, and approaches to teach towards a more just and equitable society.
Gen Ed Attribute: Diversity Requirement.
Typically offered in Fall & Spring.
EGP 326. Families and Community Relations. 3 Credits.
Addressing issues, policies, and practices about schools, young children families and communities this course will focus on ethnicity, culture, and social class to provide students with perspectives and understandings that will enable them to teach effectively and function as viable members of learning communities. Understanding the role of parents, guardians and families in each child's educational success and success in life, while embracing and respecting each child's unique individuality, are essential for the contemporary educator.
Gen Ed Attribute: Diversity Requirement.
Distance education offering may be available. Typically offered in Fall, Spring & Summer.

ENG 240. Language, Gender, and Sexuality. 3 Credits.
This course introduces students to the study of language as a resource for the production of gender and sexuality. Discussion of popular beliefs and scholarly theories about language and communication.

ENG 382. Teaching English Language Learners PK-12. 3 Credits.
A study of techniques and strategies, and materials for meeting the needs of English Language Learners (ELLs) in inclusive classrooms. Emphasis includes: sociocultural issues in educational contexts, TESOL through the content areas, linguistics, second language acquisition, the integration and applications of the PA English Language Proficiency Standards PK-12 (ELPS) and current trends in second language teaching, learning and assessment. Includes a field component.
Gen Ed Attribute: Diversity Requirement. Cross listed courses LAN 382, ENG 382.

ESP ESP 309. Latin America on Film. 3 Credits.
The course consists of the screening and analysis of several films dealing with Latin America. It addresses critical issues (the representation of history, the socio-economic construct, the political puzzle, ethnic diversity, racial and gender discrimination, criticisms of institutions) of several Latin American countries. The films stand in strong contrast to the traditional and often stereotypical image of Latin America and Hispanics fabricated by Hollywood.

ESP 324. Latinos in the U.S.. 3 Credits.
An interdisciplinary examination of Latinos/Latinas in the U.S. Course examines the changing cultural, historical, political, and economic situations of several Hispanic groups, including Central Americans, Cubans, Mexicans, and Puerto Ricans.

ESP 333. Latina Writing. 3 Credits.
An examination of the literary works produced by Latinas in the 20th century. The study of this literature will include a cross-cultural approach that will elucidate sociopolitical themes emerging from the texts. No knowledge of Spanish is required.
Gen Ed Attribute: Diversity Requirement, Foreign Language Culture Cluster, Spanish Culture Cluster. Typically offered in Fall & Spring.

ESP 335. Latino Literatures in the US. 3 Credits.
This course examines the history of Latino groups (e.g., Mexicans, Cubans, and South Americans) in the U.S. through literary texts written by Latinos, and studies the cultural, economic, and political experiences leading to their acculturation or alienation in mainstream America.

GEO GEO 204. Introduction to Urban Studies. 3 Credits.
An examination of the breadth of urban studies from the perspectives of many social science disciplines. Philadelphia is emphasized as an object of perception, as a place of life and livelihood, and as an example of continual change in the urban environment.
Gen Ed Attribute: Diversity Requirement, Interdisciplinary Requirement.
Distance education offering may be available. Typically offered in Fall & Spring.

GEO 312. Urban Geography. 3 Credits.
Analysis of patterns, processes, and consequences of urban growth and development. Theory of systems, size, spacing, and functions of cities. Students will conduct outside analysis using real data.
Gen Ed Attribute: Diversity Requirement. Typically offered in Fall, Spring & Summer.

HEA HEA 109. Health Issues of Women. 3 Credits.
The needs and concerns of women as consumers in our present health care system. Various biological, psychological, and social topics will be discussed.
Gen Ed Attribute: Diversity Requirement. Typically offered in Fall & Spring.

HEA 110. Transcultural Health: Principles and Practice. 3 Credits.
This course examines the health beliefs and practices of a variety of subcultural groups in the United States. Emphasis is placed on the application of multicultural health beliefs and practices. It utilizes the cross-cultural approach in meeting the health needs of clients and families. It is open to all University students, regardless of major.
Gen Ed Attribute: Diversity Requirement. Typically offered in Fall, Spring & Summer.

HIS HIS 349. The Jew in History. 3 Credits.
The course covers the vast expanse of Jewish history going back to 2000 B.C., tracing the story of a people who belong to one of civilization's major monotheistic religions.
Gen Ed Attribute: Diversity Requirement. Typically offered in Fall.

HIS 362. Violence in America. 3 Credits.
A study of violence in American society as an instrument of change and a method of social control.
Gen Ed Attribute: Diversity Requirement.

HIS 368. Gay America. 3 Credits.
Encompasses four hundred years of gay and lesbian history, culture, and politics, from colonial settlers and Native American cultures to the present with emphasis on the 20th century.
Gen Ed Attribute: Diversity Requirement. Typically offered in Summer.

HIS 373. African-American History. 3 Credits.
A survey of African-American history from 15th century West Africa to the present that focuses on the evolution of African-American culture and identity, and the struggle for freedom and racial equality.
Gen Ed Attribute: Diversity Requirement.

HIS 424. World of Communism. 3 Credits.
This course examines the history of communism. It traces the origins and development of Marxist theories of inequality as well as sometimes tragic efforts to put Marxist theory into practice in, among other places, Russia, China, and Cuba. Particular attention is paid to choices and commitments of individual communists. What vision of a new world motivated communists? What solutions to class, gender, and racial inequalities did they propose? Why was their idealism so often twisted into carnage?
Gen Ed Attribute: Diversity Requirement. Typically offered in Fall.

HIS 451. Women In History. 3 Credits.
American women's daily routines, social roles, and search for rights and identity since Colonial days. Recent goals, values, and conflicts.
Gen Ed Attribute: Diversity Requirement, Writing Emphasis. Typically offered in Fall.
HON

HON 312. Educational Systems and Social Influence. 3 Credits.
An introduction to philosophy, history, and sociology of American education. The evolution of the school as an institution in a democratic society; its relationships to issues dealing with race, class, gender and ethnicity; the geographical implications the school has for the community and vice versa; the degree to which school should and/or can serve as agents for social change.
Gen Ed Attribute: Diversity Requirement.
Typically offered in Fall.

HON 322. Developing Leadership with ELLs in the Classroom & Community. 3 Credits.
The study of issues, leadership challenges and strategies for the effective teaching of English Language Learners (ELLs) in Pre K-12 classrooms and for effective communicating with ELLs in the community.
Gen Ed Attribute: Diversity Requirement.
Typically offered in Fall.

KIN

KIN 246. Sport, Culture and Society. 3 Credits.
Current theories and research in the area of sport and society will be introduced. Focus of the course is interdisciplinary, incorporating sociological, psychological, historical, anthropological, philosophical, and economic perspectives. Topics include moral, ethical, racial, and gender issues in sport in relation to the North American culture.
Gen Ed Attribute: Diversity Requirement, Interdisciplinary Requirement.

KIN 254. Disability Studies: An Interdisciplinary Introduction. 3 Credits.
A study of the psychological and social implications of physical disabilities.
Distance education offering may be available.
Typically offered in Fall & Spring.

LAN

LAN 382. Teaching English Language Learners PK-12. 3 Credits.
A study of issues and the application of techniques, strategies, and materials for meeting the needs of English Language Learners (ELLs) in inclusive classrooms. Emphases include: sociocultural issues in educational contexts, TESOL through the content areas, linguistics, second language acquisition, the integration and applications of the PA English Language Proficiency Standards PK-12 (ELPS) and current trends in second language teaching, learning and assessment. Includes a field component.
Gen Ed Attribute: Diversity Requirement.
Typically offered in Fall & Spring.
Cross listed courses LAN 382, ENG 382.

LIN

LIN 211. Language Communities in the US and Canada. 3 Credits.
Exploration and analysis of how aspects of language usage (dialect, “accent,” bilingualism) relate to language-based discrimination in the U.S. and Canada generally. Emphasis is on bias, discrimination, and profiling based on race, class, gender, religious affiliation, and ethnicity. Examples will be drawn from mainstream media, including popular film and television.
Gen Ed Attribute: Diversity Requirement.
Typically offered in Fall & Spring.

LIT

LIT 213. Asian American Literature. 3 Credits.
Survey of representative Asian American authors from their earliest works at the turn of the twentieth century to contemporary works, examined in the context of the changing cultural, economic, and political experiences of Americans of Asian descent.
Gen Ed Attribute: Diversity Requirement, Writing Emphasis.

LIT 303. Intro to Multi-Ethnic American Literature. 3 Credits.
American ethnic, racial, and national groups in American literature and the contributions of creative literary artists representing these cultures.
Gen Ed Attribute: Diversity Requirement, Writing Emphasis.

MDC

MDC 250. Intercultural Communication. 3 Credits.
A study of factors that contribute to communication breakdowns between diverse cultures and between fragmented segments within the same society.
Gen Ed Attribute: Diversity Requirement.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.
Cross listed courses COM 250, MDC 250.

MHL

MHL 125. Perspectives in Jazz. 3 Credits.
Guided listening to improve understanding and enjoyment of jazz with emphasis on jazz heritages, chronological development, and sociological considerations, culminating in an analysis of the eclectic styles of the 1960s and 1970s. Not open to music majors.
Gen Ed Attribute: Arts Distributive Requirement, Diversity Requirement.
Typically offered in Fall & Spring.

MUE

MUE 332. Music Methods and Materials II. 3 Credits.
The study of music and the learning process at the secondary level to include technology, listening skills, multicultural diversity, general music programs, and administrative skills. Pre / Co requisites: MUE 332 requires prerequisites of MUE 331 and formal admission into teacher education. Current Act 34, Act 114, Act 151 Clearances and TB test valid for semester.
Gen Ed Attribute: Diversity Requirement, Writing Emphasis.

NSG

NSG 109. Health Issues of Women. 3 Credits.
This course encompasses the needs and concerns of women as consumers in our present health care system. It examines various biological, psychological, and social topics related to women's health care, including medical abuses, sexuality, sex roles, and women's health in the workplace. This course is an enrichment to liberal education, encouraging inquiry into previously neglected areas of women and health. It is offered in the Women's Studies Program and is open to all University students, regardless of major, as an elective.
Gen Ed Attribute: Diversity Requirement.
Distance education offering may be available.

NSG 234. Current Trends in LGBTQ Health. 3 Credits.
This course will expose students to historical, current, and emerging health issues experienced by the lesbian, gay, bisexual, transgender, queer/questioning, and sexual (LGBTQ) communities. This course is rooted in the minority stress approach to health promotion problems amongst the sexual minorities. Introduction to health promotion activities, advocacy, prevention, and community health resources are emphasized. This course is open to all majors.
Gen Ed Attribute: Diversity Requirement.
Typically offered in Spring.

NTD

NTD 200. Nutrition and Culture. 3 Credits.
Students will increase awareness of the connection between health outcomes, diet and nutrition, and socio-cultural influences. Course studies will lay a foundation for understanding why people eat the foods that they do. A bio-cultural framework is applied to examine how individual dietary habits, choices, and nutritional health outcomes are influenced by social structure, historic patterns and events, and cultural beliefs and ideology. Students explore food ways, food scripts, health beliefs and practices, demographic characteristics, and population health across diverse communities within the United States. The course also employs a critical analysis of macro-structural inequalities, societal stresses, and cultural norms that alter access and availability to healthy foods and disparately undermine the nutritional health of some populations.
Gen Ed Attribute: Diversity Requirement.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

PHI

PHI 130. Religion in the United States. 3 Credits.
This course will explore the rich diversity of religions in the United States and the impact of religion on our culture.
Gen Ed Attribute: Diversity Requirement.
Typically offered in Fall & Spring.
PHI 180. Introduction to Ethics. 3 Credits.
Introduction to major theories and contemporary work in moral philosophy. Offers tools for ethical decision making in our daily lives with emphasis on the influence of culture, power, privilege.
Gen Ed Attribute: Diversity Requirement, Humanities Distributive Requirement.
Typically offered in Fall, Spring & Summer.

PHI 280. Philosophy and Film. 3 Credits.
This course helps students understand and discuss philosophy, film, and how the two disciplines intersect. Students' critical thinking skills will improve as they use film theory and terminology to decipher key philosophical texts, and vice versa.
Gen Ed Attribute: Diversity Requirement, Humanities Distributive Requirement.
Typically offered in Spring.

PHI 373. Business Ethics. 3 Credits.
The study of philosophical concepts and ethical criteria as applied to business practices. Through case studies and scholarly contributions, the course will cover issues such as the ethical nature of the free market system, foreign outsourcing, issues around environmental impact of business, consumer rights, worker rights and job discrimination, and more.
Gen Ed Attribute: Diversity Requirement.
Typically offered in Fall.

PHI 390. Women and Religion. 3 Credits.
An exploration of how the beliefs and practices of major world religions have both hampered and enhanced women's lives. Particular attention will be paid to often marginalized voices of women from within these traditions.
Gen Ed Attribute: Diversity Requirement.
Typically offered in Spring.

PSC

PSC 101. Politics of Diversity in the U.S.. 3 Credits.
Uses the issues of our time as vehicles to an understanding of the political process. Emphasis is on American politics but in a world-wide perspective. Topics considered may include economic, race, gender, and civil liberty issues among others.
Gen Ed Attribute: Behavioral and Social Science Distributive, Diversity Requirement.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

PSC 301. Women and Politics. 3 Credits.
The role of women in politics is surveyed. Considerations include the relationship between the sexes as it impacts politics.
Gen Ed Attribute: Diversity Requirement.

PSC 323. Racial/Ethnic Politics. 3 Credits.
This course examines the relationship between racial and ethnic groups' political behavior and the American political system's response to them in terms of its public policies.
Gen Ed Attribute: Diversity Requirement.

PSC 340. Latin American Culture and Politics. 3 Credits.
This course invites students to conduct comparative analysis of political cultures, parties, and decision-making, ideologies and political processes across the Latin American region. Students will learn how to explain the complexities of race, class and gender in Latin American social structures, relating historical, economic and cultural legacies to analysis on contemporary issues.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

PSC 348. African Politics and Society. 3 Credits.
The course explores African politics, economics, and society through the critical lens of structuralist analysis. A strong focus on the historical and colonial framework's impact on current African developments will be emphasized. Case studies, political analysis, and current events will be used to illustrate the common misperceptions of Africa today.
Gen Ed Attribute: Diversity Requirement.

PSY

PSY 120. Multicultural Psychology. 3 Credits.
A survey course that will examine how psychological theory and research can contribute to our understanding of structural inequalities associated with ethnicity, race, income, class, age, gender, sexual orientation, ability, and religion.
Gen Ed Attribute: Diversity Requirement.
Typically offered in Fall & Spring.

PSY 448. Field Experience in Psychology III. 3 Credits.
A work-study program in a Head Start preschool program serving a population of children and families that are mostly low-income and of ethnic and racial minority backgrounds under joint supervision of the instructor and the staff of the field institution.
Pre / Co requisites: PSY 448 requires a prerequisite of PSY 100 and 21 total hours of psychology courses or permission of instructor.
Gen Ed Attribute: Diversity Requirement.
Typically offered in Fall & Spring.

PSY 449. Field Experience in Psychology IV. 3 Credits.
A continuation of PSY 448.
Pre / Co requisites: PSY 449 requires a prerequisite of PSY 448.
Gen Ed Attribute: Diversity Requirement.
Typically offered in Fall & Spring.

SCE

SCE 350. Science Education in the Secondary School. 3 Credits.
Philosophy, objectives, and methods of teaching science. This is an Early Field Experience course with observation hours are completed in schools. Students must have current clearances for TB, criminal background, FBI, and child abuse before they can be assigned to schools to perform course assignments/other requirements. For the WCU policies on clearances, select the "Teacher Education Center" on the College of Education Web site.
Pre / Co requisites: SCE 350 requires formal admission into teacher education.
Gen Ed Attribute: Diversity Requirement, Writing Emphasis.
Typically offered in Fall.

SPA

SPA 313. Latin America on Film. 3 Credits.
This course consists of the analysis of several films about Latin America that address critical issues (history, politics, economy, religion, ethnic diversity, racial and gender discrimination) necessary to understand and appreciate Latin American culture.
Pre / Co requisites: SPA 313 requires prerequisites of SPA 301 and SPA 302.
Gen Ed Attribute: Arts Distributive Requirement, Diversity Requirement.
Typically offered in Fall & Spring.

SWO

SWO 225. Race Relations. 3 Credits.
The course takes an interdisciplinary approach to the study of race, ethnicity and culture. By integrating findings from history, political science, sociology, and social work, students are introduced to cultural differences as they affect family life, the development of law, and the nature and magnitude of racism in our society. The overarching goal of this course is to encourage the student to embark on the process of becoming culturally competent.
Gen Ed Attribute: Diversity Requirement, Interdisciplinary Requirement.

SWO 351. Human Behavior and the Social Environment II. 3 Credits.
This course examines the life cycle from middle adulthood through older adulthood and death and dying with an emphasis on mezzo and macro theories of human behavior from a strengths and ecological systems perspective.
Gen Ed Attribute: Diversity Requirement, Writing Emphasis.

THA

THA 250. Race and Gender in American Theatre. 3 Credits.
This course will focus on how some traditionally marginalized groups have been examined and portrayed in American theatre.
Gen Ed Attribute: Diversity Requirement.
**WOS**

**WOS 100. Body Politics: Gender, Culture, and Representation. 3 Credits.**
This course examines the body as a contested site of both pleasure and oppression. Considerable focus will be placed on the impact of culture on our understandings of the body, including ideas about gender, race, and sexuality. Students of all genders will be encouraged to explore how their own body image has been shaped by social norms that are simultaneously accepted and resisted. This course thereby provides an opportunity to question a variety of norms surrounding the body, including ideas about beauty, size, shape and ability. Gen Ed Attribute: Diversity Requirement. Typically offered in Fall.

**WOS 225. Intro to Women's and Gender Studies. 3 Credits.**
An interdisciplinary course designed to enable students to analyze the lived experience of women, to evaluate the impact of gender, to question the implications of changing cultural patterns, and to sample first-hand efforts for social change. Satisfies interdisciplinary requirement. Offered every semester. Gen Ed Attribute: Diversity Requirement, Interdisciplinary Requirement, Writing Emphasis. Typically offered in Fall, Spring & Summer.

**WOS 250. Women's Self Representation. 3 Credits.**
An interdisciplinary approach to ways women record their lives.
Gen Ed Attribute: Diversity Requirement, Interdisciplinary Requirement, Writing Emphasis. Distance education offering may be available. Typically offered in Fall, Spring & Summer.

**WOS 305. Intellectual Roots of Western Feminism. 3 Credits.**
The course examines major ideas and themes that have historically been included in feminist theorizing about women’s situation and experiences, including: ethical foundations, the origins of patriarchy, feminist epistemology, education, body issues, issues of difference, religion, civil rights, and psychological development. Chronologically, the course covers from the enlightenment (Mary Wollstonecraft’s *A Vindication of the Rights of Women*) through Simone de Beauvoir’s *The Second Sex*. Gen Ed Attribute: Diversity Requirement. Typically offered in Fall.

**WOS 310. Women and Activism. 3 Credits.**
Although often misrepresented or ignored, women were and continue to be active in a wide range of social justice movements. This course focuses specifically upon women activists in the United States and their resistance to structural inequalities based upon gender. In addition to social justice movements focused on sexism, this course uses intersectional theory to recognize the feminist value of women who work against racial, economic, sexual, and other oppressions.
Pre / Co requisites: WOS 310 requires a prerequisite of WOS 225 or WOS 250. Gen Ed Attribute: Diversity Requirement, Writing Emphasis. Distance education offering may be available. Typically offered in Fall.

**WOS 315. Women of the Global South. 3 Credits.**
This course will examine the nature of women’s lives in the global South, focusing on topics such as family, education, health, development policies, and political change. Geographic areas studied include Africa, Asia, Latin America, and the Middle East.
Gen Ed Attribute: Diversity Requirement, Interdisciplinary Requirement. Typically offered in Fall.

**WOS 335. Gender, Race and Science. 3 Credits.**
A course on the role of gender and race in the formation of science.
Gen Ed Attribute: Diversity Requirement, Interdisciplinary Requirement. Typically offered in Fall & Spring.

**WRH**

**WRH 210. Multicultural Writing. 3 Credits.**
This course focuses on understanding the role that writing plays in shaping a multicultural society. Assignments will ask students to write for diverse social contexts and will help students expand their repertoire of genres and writing strategies.
Gen Ed Attribute: Diversity Requirement, Writing Emphasis.

**WRH 301. The Rhetorics of Black Americans. 3 Credits.**
This course views the language of Black America as a form of cultural expression and means of resistance to oppression in the U.S. Using historical and thematic frames, students will relate their understandings of Black linguistic and rhetorical practices to Black folks’ experiences and struggles for improved social, political, and material realities.
Gen Ed Attribute: Diversity Requirement, Writing Emphasis. Typically offered in Fall & Spring.

**ENGLISH COMPOSITION REQUIREMENT**

Students must earn 3 credits at the Writing 200 level to fulfill the English composition general education requirement. These 3 credits can be completed via WCU coursework or via earned transfer credit. Student may need to complete prerequisite coursework prior to enrollment into a Writing 200-level course.

WCU is piloting a student-guided self-placement survey to determine the appropriate course sequence for our English Composition requirement. More information about the self-placement survey (the WRITE Survey) can be found below under English Placement.

**Course sequence A: Co-requisite—9 credits toward graduation, over two semesters**
- Semester 1—WRT 120 + ENG 150 (6 credits of writing instruction focusing on discovery, composing, revision and genre awareness in one semester. WRT 120 and ENG 150 are linked courses with the same instructor—ENG 150 is the "lab" for WRT 120.)
- Semester 2—WRT 200-level (3 credits of research writing instruction in one semester)

**Course sequence B: Sequenced—6 credits toward graduation, over two semesters**
- Semester 1—WRT 120 (3 credits of writing instruction focusing on discovery, composing, revision and genre awareness in one semester)
- Semester 2—WRT 200-level (3 credits of research writing instruction in one semester)

**Course sequence C: Progressive—9 credits, 6 of which count toward graduation, over three semesters**
- Semester 1—ENG Q20 (3 credits of writing instruction focusing on writing process, confidence and language awareness in one semester. Credits do not count for graduation, but are computed in the student’s GPA). Students must pass ENG Q20 with a grade of C- or better to enroll in WRT 120.
- Semester 2—WRT 120 (3 credits of writing instruction focusing on discovery, composing, revision and genre awareness in one semester)
- Semester 3—WRT 200-level (3 credits of research writing instruction in one semester)

**Course sequence D: Advanced—3 credits toward graduation, one semester**
- Semester 1—WRT 200-level (3 credits of research writing instruction in one semester)
- The WCU WRITE survey may, in exceptional circumstances, place students into the Advanced sequence if their WRITE survey scores are particularly high, and if they have a minimum GPA of 3.8 and a Reading/Writing SAT of 620 or ACT English score of 28.

**English Placement**

**The WRITE Survey**

Placement in the appropriate first-year writing course is recommended by the WCU WRITE (Writing and Reading InFerest and Experience) advisory system, which all incoming students are required to take prior to the scheduling period for first-year students. The WRITE advisory
survey asks students to report on their past interest and experience in school and specifically with reading and writing, combined with numeric data such as their high school GPA, English course grades and SAT or ACT scores. After the survey is taken, the advisory system will direct students into the appropriate course sequence.

Taking the correct first-year writing courses can be a critical factor for a student’s success at college. The WRITE survey is designed to assist you in making the best decision about which of WCU's starting courses in writing seems to be the best fit for you. The WRITE survey will integrate your answers with information we have on file to determine which course sequence is likely the best fit for you. It includes each student’s individual:

- Standardized test scores and high school GPA (in most cases, WCU has these on file for you and scores will be provided)
- Writing and reading history, both in and outside of school.

Students who do not take the WRITE survey will not be placed into any required First-Year Writing course or sequence until they complete the survey.

Instructions on taking the WRITE survey can be found in the WCU Placement Portal on MyWCU. If students have questions about the WRITE survey they can email the English Department at writesurvey@wcupa.edu.

* Pilot Program for 2018-2019 catalog year

Course List

WRT

WRT 120. Effective Writing I. 3 Credits.
An intensive course in writing that emphasizes skill in organization and awareness of styles of writing and levels of usage as ways of expressing and communicating experiences.
Gen Ed Attribute: English Composition Requirement.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

WRT 200. Critical Writing and Research. 3 Credits.
Continues the expository writing experience offered in Effective Writing I, and explores techniques of gathering, evaluating, and selecting materials to be used in writing research papers.
Pre / Co requisites: WRT 200 requires a prerequisite of WRT 120 or placement via the WRITE survey.
Gen Ed Attribute: English Composition Requirement.
Typically offered in Fall, Spring & Summer.

WRT 204. Critical Writing: Approaches to Pop Culture. 3 Credits.
The strategies of critical theory and critical writing will be used to examine and explain popular culture. The course will explore multiple media - such as print, television, film, music, and various visual and electronic formats - as representations of humanities, arts, and sciences, about which students will write researched, critical cultural analyses.
Pre / Co requisites: WRT 204 requires a prerequisite of WRT 120 or placement via the WRITE survey.
Gen Ed Attribute: English Composition Requirement.
Typically offered in Fall & Spring.

WRT 205. Critical Writing: Investigating Experience. 3 Credits.
Exploration of the student’s personal history and attitudes through carefully structured compositions, including autobiographical narrative, memoir, and introspective analysis.
Pre / Co requisites: WRT 205 requires a prerequisite of WRT 120 or placement via the WRITE survey.
Gen Ed Attribute: English Composition Requirement.
Distance education offering may be available.
Typically offered in Fall & Spring.

WRT 206. Critical Writing: Multidisciplinary Imagination. 3 Credits.
Imagination becomes a vehicle for students to explore a variety of disciplinary and social perspectives on issues of relevance to society. Assignments cover writerly issues, such as genre, style, and language, and related issues, such as the role of imagination, innovations, and discovery in the sciences, arts, social sciences, and humanities, through documented research.
Pre / Co requisites: WRT 206 requires a prerequisite of WRT 120 or placement via the WRITE survey.
Gen Ed Attribute: English Composition Requirement.
Typically offered in Fall & Spring.

WRT 208. Critical Writing: Entering Public Sphere. 3 Credits.
Publication is a goal for many writers. Reporters, scientists, poets, academics, and others write for publication. This class will require students to write for professional and/or class-produced print forums appropriate for humanities, arts, social sciences, and scientific fields, examining those forums in order to analyze and critique their discourse conventions. The course will provide opportunities for students to submit their work to such forums for publication. The class may also produce its own publication about writing-related news and events that students will learn about by conducting documented research projects.
Pre / Co requisites: WRT 208 requires a prerequisite of WRT 120 or placement via the WRITE survey.
Gen Ed Attribute: English Composition Requirement.
Typically offered in Fall & Spring.

WRT 220. Critical Writing: Special Topics. 3 Credits.
Each section will have a special topic that focuses on current (inter)disciplinary issues of importance in the humanities, arts, social sciences, and/or sciences. In these courses students will investigate, research, critique, and practice rhetorical strategies focusing on each section’s topic.
Pre / Co requisites: WRT 220 requires a prerequisite of WRT 120 or placement via the WRITE survey.
Gen Ed Attribute: English Composition Requirement.
Typically offered in Fall & Spring.

FIRST-YEAR EXPERIENCE REQUIREMENT

The First-Year Experience (FY_100) provides students with a basic platform from which they can plan their growth and development while at WCU. First-Year Experience courses are offered in a variety of areas, but they share common content across all sections, including:

- An overview of the liberal arts tradition in higher education and an explanation of the structure of WCU’s General Education curriculum
- An introduction of the e-portfolio and its use across the undergraduate degree
- Research about brain development, psychology of learning, and metacognitive, affective, and social dynamics; information intended to help students understand the learning process and the factors important to a successful college experience
- An opportunity for experiential learning
- Information pertaining to university policies and campus life

Course List

FYE 100. First Year Experience Education. 4 Credits.
LEC (0), DIS (0)
First Year Experience Education.
Cross listed courses First Year Experience.

FYB 100. First Year Experience Business. 4 Credits.
LEC (0), DIS (0)
First Year Experience Business.
Cross listed courses First Year Experience.

FYH 100. First Year Experience Integrative Health. 4 Credits.
LEC (0), DIS (0)
First Year Experience Integrative Health.
Cross listed courses First Year Experience.
FYX 100. First Year Experience- Exploratory. 4 Credits.
LEC (0), DIS (0)
First Year Experience Exploratory.
Cross listed courses First Year Experience.

HUMANITIES DISTRIBUTIVE REQUIREMENT

Humanities courses develop a student’s ability to analyze, define, and explore what it means to be human; including how language, thought, and creative expression speak to an individual’s values, beliefs, and traditions.

Six credits required.

Select courses from at least two of the following areas. Courses must be selected from outside the student’s major department.

Course List

CLS

CLS 165. Introduction to World Literature. 3 Credits.
This course is designed to introduce students to literature representative of both Western and non-Western cultures and can be taken as an alternative to LIT 165. Not open to English majors.
Distance education offering may be available.

CLS 260. World Literature I. 3 Credits.
A survey of world literary texts from pre-classical times to 1600.

CLS 261. World Literature II. 3 Credits.
A survey of world literary texts from 1600 to the present.
Gen Ed Attribute: Humanities Distributive Requirement, Writing Emphasis.

HIS

HIS 100. Global History since 1900. 3 Credits.
The 20th century background to today’s world is examined through a variety of themes and concepts.
Gen Ed Attribute: Humanities Distributive Requirement.
Distance education offering may be available.
Typically offered in Fall & Spring.

HIS 101. History of Civilization I. 3 Credits.
Cultural elements and social institutions in the West and the East from earliest times through the Renaissance.
Gen Ed Attribute: Humanities Distributive Requirement.
Typically offered in Fall & Spring.

HIS 102. History of Civilization II. 3 Credits.
Developments in civilizations from 1500 to the present, with emphasis on Western civilization and its interrelationships with the non-Western world.
Gen Ed Attribute: Humanities Distributive Requirement.
Typically offered in Fall & Spring.

HIS 150. The American Experience. 3 Credits.
The history of the United States, with emphasis on major themes, ideas, and developments: nationalism, sectionalism, imperialism, industrialism, and others.
Gen Ed Attribute: Humanities Distributive Requirement.
Typically offered in Fall & Spring.

HIS 151. History of the United States I. 3 Credits.
The social, economic, political, and intellectual development of the United States from the beginning of the Colonial period through Reconstruction.
Gen Ed Attribute: Humanities Distributive Requirement.
Typically offered in Fall & Spring.

HIS 152. History of the United States II. 3 Credits.
A comprehensive history of the United States from 1865 to the present, examining the economic, political, and cultural development of American society, and the evolution of American foreign policy.
Gen Ed Attribute: Humanities Distributive Requirement.
Typically offered in Fall & Spring.

HIS 444. History of American Education. 3 Credits.
This course offers an historical examination of the complex historical, political, social, economic and cultural influences that have contributed to the current state of education in America.
Gen Ed Attribute: Humanities Distributive Requirement.

LAN

LAN 100. Language and the Human Experience. 3 Credits.
Language plays a fundamental role in how humans experience the world around them. In this class, we will explore the nature of language and how language and culture intersect in various ways. Some of the questions we will attempt to answer include: What is human language? Does language equal thought? How are languages similar and different? How and why is language gendered? How are language and power connected? This course will expose you to new ways of thinking and talking about language, thus allowing you to view language more critically in everyday interactions.
Gen Ed Attribute: Humanities Distributive Requirement.
Typically offered in Fall & Spring.

LIT

LIT 100. Popular Culture: Reading Culture as Text. 3 Credits.
An introduction to analyzing and interpreting everyday cultural expressions within diverse social, historical, economic, and political contexts.
Gen Ed Attribute: Humanities Distributive Requirement.

LIT 101. Contemporary Issues Through Literature. 3 Credits.
This lecture-style course links the study of various genres of literature from a range of time periods (texts included on the syllabus can range from medieval to contemporary) to contemporary events and issues.
Gen Ed Attribute: Humanities Distributive Requirement.
Typically offered in Fall & Spring.

LIT 165. Topics in Literature. 3 Credits.
A course designed to develop awareness of literature as being central to all the arts, to increase levels of literacy and critical faculties, and to broaden understanding of the human condition.
Gen Ed Attribute: Humanities Distributive Requirement, Writing Emphasis.

LIT 219. Literature for Young Children. 3 Credits.
A critical study of the literature for young children for prospective specialists in early grades.
Gen Ed Attribute: Humanities Distributive Requirement.

LIT 220. Children’s Literature. 3 Credits.
A critical study of literature for children, setting standards for evaluation and appreciation.
Gen Ed Attribute: Humanities Distributive Requirement.

PHI

PHI 100. Creating Meaning. 3 Credits.
This course is an introduction to existentialism, one of the most influential intellectual currents of the 20th century. Through film, literature, and the primary philosophical texts of existential philosophers, such as Frederick Nietzsche, Jean-Paul Sartre, Albert Camus, and Simone de Beauvoir, we will explore basic existential themes such as the formation of values, “dread” and “alienation.” Existentialism focuses less on what to think and more on how to live stark raving sane in the face of radical freedom and responsibility.
Gen Ed Attribute: Humanities Distributive Requirement.
Typically offered in Fall, Spring & Summer.

PHI 101. Introduction to Philosophy. 3 Credits.
The chief problems and methods of philosophic thought, with a survey of some typical solutions. The place and influence of philosophy in life today.
Gen Ed Attribute: Humanities Distributive Requirement.
Typically offered in Fall, Spring & Summer.
PHI 125. Theology & Science: Enemies or Partners?. 3 Credits.
An inquiry into the relationship of theology to the natural sciences. Team taught by both a physicist and a philosopher, the course investigates how ideas of God have been affected by advances in physics and biology.

PHI 150. Critical Thinking and Problem Solving. 3 Credits.
Introduction of the principles needed for effective thinking and evaluation of arguments in practical situations. Topics include procedures and guidelines for identifying and evaluating arguments, recognizing fallacies, and writing/criticizing argumentative essays.
Gen Ed Attribute: Humanities Distributive Requirement. Typically offered in Fall & Spring.

PHI 180. Introduction to Ethics. 3 Credits.
Introduction to major theories and contemporary work in moral philosophy. Offers tools for ethical decision making in our daily lives with emphasis on the influence of culture, power, privilege.
Gen Ed Attribute: Diversity Requirement, Humanities Distributive Requirement. Typically offered in Fall, Spring & Summer.

PHI 201. Contemporary Issues. 3 Credits.
Discussion and analysis of contemporary philosophical issues. The topic varies from semester to semester.
Gen Ed Attribute: Humanities Distributive Requirement. Typically offered in Fall & Spring. Repeatable for Credit.

PHI 206. Religions of the West. 3 Credits.
An introduction to the three major traditions of the West: Judaism, Christianity and Islam. Exploring their earliest heritage including founders, scriptures, early institutions and practices, it will then address how these traditions were preserved, re-invigorated, and sometimes transformed in response to social change and political upheaval.
Gen Ed Attribute: Humanities Distributive Requirement. Typically offered in Fall.

PHI 207. Philosophies of Non-violence. 3 Credits.
An examination of the concepts of violence and nonviolence, especially as seen by recent thinkers. The course attempts to link theory with practice by considering the contributions of Tolstoy, Gandhi, Thoreau, and other philosophers, religious thinkers, and activists.

PHI 220. Introduction to Islam. 3 Credits.
A general introduction to Islam which will focus on the sources for Muslim belief and practices, the diversity within the Muslim community, and modern movements within Islam and the Muslim community in America.

PHI 280. Philosophy and Film. 3 Credits.
This course helps students understand and discuss philosophy, film, and how the two disciplines intersect. Students’ critical thinking skills will improve as they use film theory and terminology to decipher key philosophical texts, and vice versa.

PHI 282. Animal Ethics. 3 Credits.
An exploration of the religious, philosophical, and scientific perspectives on animals, animal treatment and animal use, including arguments for vegetarian/veganism and of activist groups.
Gen Ed Attribute: Humanities Distributive Requirement. Typically offered in Fall.

PHI 350. Philosophical Topics: 20th Century and Beyond. 3 Credits.
A course in recent and current philosophies and philosophers from various traditions.
Gen Ed Attribute: Humanities Distributive Requirement. Typically offered in Spring. Repeatable for Credit.

PHY

PHY 125. Theology and Science: Enemies or Partners. 3 Credits.
An inquiry into the relationship of theology to the natural sciences. Team taught by both a physicist and a philosopher, the course investigates how ideas of God have been affected by advances in physics and biology.

INTERDISCIPLINARY REQUIREMENT
This course, regardless of the academic department that offers it, places the emphasis on the relationship among three or more disciplines, requiring the student to think critically. The student will synthesize and/or integrate the disciplines in the investigation of a concept, culture, or idea resulting in a student who demonstrates the attributes of general education Goal 4 (demonstrate the ability to think across and about disciplinary boundaries). Interdisciplinary courses may be fulfilled by any approved course with an “I” designation in the course schedule. Approved interdisciplinary courses are indicated as such in the course catalog descriptions. Because interdisciplinary courses are, by design, treatment of a subject from different disciplines, interdisciplinary courses may not be used to fulfill a general education requirement in the distributive areas (science, behavioral and social sciences, humanities, the arts). However, a course may simultaneously satisfy the interdisciplinary and diverse communities requirements.

Course List

ACC

ACC 300. Fraud Examination for Managers. 3 Credits.
Introduces tools necessary to understand the prevention, detection, and investigation of fraud. The course utilizes an interdisciplinary approach to develop and integrate students’ knowledge of law, criminal justice, and the basic concepts of accounting for the purpose of obtaining a comprehensive view of fraud.
Pre / Co requisites: ACC 300 requires prerequisite of ACC 201 and minimum 2.50 CUM GPA.
Gen Ed Attribute: Interdisciplinary Requirement.
Distance education offering may be available. Typically offered in Fall, Spring & Summer.

AMS

AMS 200. American Civilization. 3 Credits.
An interdisciplinary study of the forces, forms, and values that have contributed to the making of American civilization. Several academic disciplines are drawn upon in exploring the ‘Americaness’ of American institutions, thought, behavior, and material culture.
Gen Ed Attribute: Interdisciplinary Requirement. Typically offered in Fall & Spring.

ANT

ANT 260. Artifacts and Culture. 3 Credits.
Critical exploration of the role of material items in the analysis and interpretation of human culture.
Gen Ed Attribute: Interdisciplinary Requirement. Typically offered in Fall.

ANT 277. Sustainable Food Systems. 3 Credits.
This course, team taught by an anthropologist and a registered dietitian, examines the interrelationship of nutrition ecology, anthropology and the political economic underpinnings of sustainable food systems.

CLS

CLS 201. Classical Greco Roman Myth in 20th Century Arts. 3 Credits.
The study of Greeks and Roman mythology and its influence on 20th and 21st century Western culture.
**CLS 270. Life, Death, and Disease. 3 Credits.**
A course treating the study of literary works, film, and selected readings from other areas (history, science, fiction, and nonfiction) to generate an understanding of the relationship of human values to medicine, illness, and issues of related importance to physicians. Gen Ed Attribute: Interdisciplinary Requirement, Writing Emphasis.

**CLS 280. Languages of Modernism. 3 Credits.**

**CLS 329. Gender and Peace. 3 Credits.**
An examination of the ways in which social constructions of gender intersect with perceptions and experiences of war and peace. Gen Ed Attribute: Interdisciplinary Requirement.

**CLS 368. Greco Roman, Culture, Myth & Society. 3 Credits.**
The study of the Trojan War myth cycle in Greek and Roman mythology through literature, history, and art from Homer through the Latin Middle Ages and the way this myth reflects the culture and society of the texts in question. Gen Ed Attribute: Classical Civilizations Culture Cluster, Foreign Language Culture Cluster, Interdisciplinary Requirement, Writing Emphasis.

**CLS 371. Law and Disorder in Literature. 3 Credits.**
A look at the presentational aspects of law, legal writing and oral argument, its constructions in narrative-law as literature and literature as law, and the relationship of law to anthropology, psychology, history, and sociology. Gen Ed Attribute: Interdisciplinary Requirement, Writing Emphasis.

**CRJ 366. Forensic Mental Health. 3 Credits.**
An interdisciplinary exploration of the intersection of the mental health and criminal justice systems in the United States. The primary theme is the deinstitutionalization movement which has resulted in the shifting of persons with mental illness from hospitals into correctional facilities. Important topics include school-to-prison pipeline (STPP), civil and outpatient commitment, police as first responders, training for law enforcement responding to crisis situations, and other efforts to decrease criminalization and stigmatization, such as Crisis Intervention Teams, Mental Health Courts, Assertive Community Treatment, and reentry strategies. Students are expected to engage in innovative policy solutions through a multi-disciplinary lens, which may include strategies based on developments in the fields of criminal justice, medicine and forensic psychiatry, counseling and psychology, social work, education, and public administration. Gen Ed Attribute: Interdisciplinary Requirement, Writing Emphasis.

**CRJ 434. Experiencing Peru: Examining the Criminal, Social, and Economic Impact of Voices4Peru. 3 Credits.**
This course, which includes a 13-day study abroad experience, will provide students with an in-depth comparison of social issues related to crime, education, gender, poverty, and race that prevail in the United States and in South America. This course was designed on the belief that cross cultural comparisons of governmental initiatives and grassroots movements significantly shape the expectations and quality of life for the majority of a nation’s citizens. Course readings will examine criminological theories about race, class, and crime, while the social learning theories and current evidence-based practices will describe how social and cultural factors impact decision-making and problem solving skills. Consent: Permission of the Department required to add. Gen Ed Attribute: Diversity Requirement, Interdisciplinary Requirement, Writing Emphasis. Typically offered in Summer.

**DAN**

**DAN 300. Controversial Bodies: Visions of Beauty. 3 Credits.**
Controversial Bodies: Visions of Beauty will foster a discussion of bodily beauty across the multiples fields of theater, dance, history and sociology. In creating a course that holds these two physical markers, the body and beauty, at its core, a space can be filled within the university’s curriculum where central to the course is the notion that the body is a social and cultural entity and that, markers of bodily beauty are constructed differently across various cultures and time periods. In particular, Controversial Bodies: Visions of Beauty, examines how figures in the performing arts have pulled the make-up of beauty in opposite directions, reinforcing or subverting the norms of what is socially and politically acceptable, playing with nudity, androgyny and ugliness, and rewriting the markers of beauty in terms of race, gender, age and bodily type. Gen Ed Attribute: Interdisciplinary Requirement. Typically offered in Fall & Spring.

**DHM**

**DHM 280. Introduction to Digital Humanities. 3 Credits.**
This course is an introduction to new media, digital humanities, and computational approaches to the humanities, with a survey of theories, methodologies, and current critical practices. Gen Ed Attribute: Interdisciplinary Requirement, Writing Emphasis. Typically offered in Fall.

**DHM 325. Digital Research Methods. 3 Credits.**
This course introduces students to software tools and methodologies necessary for meaningful research in the humanities. Hands on instruction is provided, along with opportunities for independent and sustained research work.
Pre / Co requisites: DHM 325 requires a prerequisite or co-requisite of DHM 280 or instructor consent. Gen Ed Attribute: Interdisciplinary Requirement. Distance education offering may be available. Typically offered in Spring.

**EDF**

**EDF 255. Evolution of Schooling in U.S.. 3 Credits.**
An examination of the historical evolution and contemporary purposes, practices, and structures of schooling in the United States. Students will investigate the political, sociological, and economic motivators in the origin, maintenance, and reform of American schooling. In addition, students utilize the course’s historical context to engage in an examination of contemporary issues in American schooling, specific attention will be given to the impact of current educational reforms on the theory and practice of early childhood education. Gen Ed Attribute: Interdisciplinary Requirement.

**EDF 300. Democracy and Education. 3 Credits.**
A study of the philosophical, historical and sociological issues related to American education. The course places schools within the context of the larger American society and asks to what degree can and should schools serve as agents for creating a more just and democratic society. Gen Ed Attribute: Interdisciplinary Requirement.

**EFR**

**EFR 320. French Civilization (In English). 3 Credits.**
(In English) A study of France’s political and educational systems and economic and religious institutions with emphasis on contemporary aspects. Gen Ed Attribute: Foreign Language Culture Cluster, France & Francophone Area Culture Cluster, Interdisciplinary Requirement. Typically offered in Fall.

**EGE**

**EGE 323. Austrian Civilization. 3 Credits.**
An interdisciplinary study of Austrian civilization, focusing on Vienna 1848-1938. The relationship of selected cultural and intellectual developments to their political and social contexts. This course employs the perspective of many disciplines but is specifically concerned with the humanities and visual arts. Gen Ed Attribute: Foreign Language Culture Cluster, Germany Culture Cluster, Interdisciplinary Requirement. Typically offered in Fall & Spring.
ENG
ENG 215. Views on Literacy. 3 Credits.
The historical and social contexts of English literacy. Emphasis on writing.

ENV
ENV 102. Humans and the Environment. 3 Credits.
A study of the ability of humans to survive and maintain their life quality considering the limited resources and recycling capacity of planet Earth. Note: Only one of the following courses can be completed for credit: SCB 102, ENV 102, or ESS 102.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Fall & Spring.
Cross listed courses SCB 102, ENV 102, ESS 102.

ERU
ERU 309. Russian Culture. 3 Credits.
(In English) A course designed to acquaint students with Russian culture and life in Russia today. No knowledge of Russian required.
Typically offered in Fall & Spring.

ESP
ESP 350. Latin-American Culture and Civilization (In English). 3 Credits.
Cultural, geographic, literary, philosophical, and artistic manifestations of the Hispanic-American world. No knowledge of Spanish is required.
Typically offered in Fall & Spring.

ESP 346. Latin American Avant-Gardes and Mass Media. 3 Credits.
An exploration of the groundbreaking avant-garde artistic practices and the technological innovations of mass media from the early 1900s to today in Latin America. Course studies the historical origins and transformation of concepts such as “originality,” “individuality,” and “the new” to understand how they acquired political, economic, social, and cultural value in modern Latin America. No knowledge of Spanish is required.

ESP 347. Utopia and Apocalypse in the Americas. 3 Credits.
What will the future hold in store for humanity: utopia or apocalypse? Toward what type of future society should we aim in the present? This course is taught from multiple perspectives and will foster thoughtful reflection on what it means to belong to a community as expressed in cultural texts and media from the Spanish-speaking Americas, including travel narratives to unknown lands, utopian treaties, science-fiction and fantasy stories, and real-world attempts to construct utopian societies. No knowledge of Spanish is required.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Fall, Spring & Summer.

ESP 348. Cultural Realities of Spain. 3 Credits.
A study of the origins and evolution of Spanish character, tradition, and thought as a result of its multi-cultural past and present. The interrelationship of its history and arts. The scope of its contribution to Western culture. No knowledge of Spanish is required.
Typically offered in Fall & Spring.

ESP 349. Latinos in the U.S.. 3 Credits.
An interdisciplinary examination of Latinos/Latinos in the U.S. Course examines the changing cultural, historical, political, and economic situations of several Hispanic groups, including Central Americans, Cubans, Mexicans, and Puerto Ricans.
Typically offered in Fall & Spring.

ESS
ESS 102. Humans and the Environment. 3 Credits.
A study of the ability of humans to survive and maintain their life quality, considering the limited resources and recycling capacity of planet Earth. Note: Students completing ESS 102 may not take SCB 102 or ENV 102 for credit.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Fall, Spring & Summer.
Cross listed courses SCB 102, ENV 102, ESS 102.

GEO
GEO 204. Introduction to Urban Studies. 3 Credits.
An examination of the breadth of urban studies from the perspectives of many social science disciplines. Philadelphia is emphasized as an object of perception, as a place of life and livelihood, and as an example of continual change in the urban environment.
Gen Ed Attribute: Diversity Requirement, Interdisciplinary Requirement.
Distance education offering may be available.
Typically offered in Fall & Spring.

GST
GST 110. Introduction to Global Studies. 3 Credits.
This course focuses on the transnational processes, issues, and topics that are key to understanding globalization. This course will formally employ perspectives and concepts from three disciplines: political science, economics, and sociology. However, this course will also draw upon a number of other disciplines: culture and language, history and geography (“time and space”), as well as philosophy. This course will also have a strong multicultural content with an emphasis on how values impact a range of policy issues: trade, money, development, population, hunger, overpopulation, climate change, culture, environment, democracy, and security.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Fall & Spring.

HIS
HIS 302. Modern India. 3 Credits.
Social, religious, and cultural underpinnings of modern India against a backdrop of the subcontinent’s chronological development. Hindu and Muslim traditions discussed in terms of their own social, religious, and historical dynamics and as examples of complexities of national integration.
Gen Ed Attribute: Interdisciplinary Requirement.

HIS 305. Modern China. 3 Credits.
Survey of the historical and cultural background of China. Emphasis is given to the significance of China’s modern period and its impact on world affairs.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Spring.

HIS 306. Chinese Civilization. 3 Credits.
Study of dominant cultural, philosophical, and historical patterns that have influenced the development of China as it is today and the traditional way in which Chinese approach their own history.
Gen Ed Attribute: Interdisciplinary Requirement.

HIS 308. Introduction to the Islamic World. 3 Credits.
Study of the religious-cultural heritage of the Islamic world against a historical background. Selected areas of Middle, South, and Southeast Asia will be utilized to illustrate the flowering of Islamic arts, architecture, and poetry. Includes geography component.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Fall.

HIS 323. Austrian Civilization. 3 Credits.
An interdisciplinary study of Austrian civilization, 1848-1938. Emphasis is placed on fin-de-siecle Vienna, not only as its pivotal role in Austrian culture but also as a testing ground for modernism in the West.
Gen Ed Attribute: Foreign Language Culture Cluster, Germany Culture Cluster, Interdisciplinary Requirement.
Typically offered in Fall & Spring.
HIS 329. Gender and Peace. 3 Credits.
Examination of the ways in which social and historical constructions of gender intersect with perceptions and experience of war and peace.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Spring.

HON
HON 110. Civic Engagement and Theories of Leadership. 3 Credits.
Introduction to the interdisciplinary study of leadership theory and civic engagement through the use of films as case studies. The course content places special emphasis on leadership practices and the relationships between leaders and followers inspired by social inequities surrounding issues of race, ethnicity, class, gender and inclusion.
Gen Ed Attribute: Interdisciplinary Requirement.

HON 352. Honors Seminar. 3 Credits.
Investigation of leadership issues as they are found within special topics in the arts and humanities.
Typically offered in Fall.
Repeatable for Credit.

HON 351. Honors Seminar. 3 Credits.
Investigation of leadership issues as they are found within special topics in the arts and humanities.
Typically offered in Spring.
Repeatable for Credit.

HON 381. Symposium in the Arts and Humanities. 3 Credits.
Investigation of leadership issues as they are found within special topics in the arts and humanities.
Repeatable for Credit.

HON 380. Symposium in Global Issues. 3 Credits.
Investigation of leadership issues as they are found within special topics in the global community.
Typically offered in Fall.
Repeatable for Credit.

HON 246. Sport, Culture and Society. 3 Credits.
Current theories and research in the area of sport and society will be introduced. Focus of the course is interdisciplinary, incorporating sociological, psychological, historical, anthropological, philosophical, and economic perspectives. Topics include moral, ethical, racial, and gender issues in sport in relation to the North American culture.
Gen Ed Attribute: Diversity Requirement, Interdisciplinary Requirement.

KIN
KIN 246. Sport, Culture and Society. 3 Credits.
Current theories and research in the area of sport and society will be introduced. Focus of the course is interdisciplinary, incorporating sociological, psychological, historical, anthropological, philosophical, and economic perspectives. Topics include moral, ethical, racial, and gender issues in sport in relation to the North American culture.
Gen Ed Attribute: Diversity Requirement, Interdisciplinary Requirement.

LIT
LIT 250. Victorian Attitudes. 3 Credits.
A study of 19th-century attitudes toward social changes as expressed in art, architecture, literature, and nonfiction prose.
Gen Ed Attribute: Interdisciplinary Requirement.

LIT 309. Thoughts/Writings of Martin Luther King. 3 Credits.
Examines and analyzes the writings of Dr. King and their relationship to the themes he pursued and the leadership role he achieved.
Gen Ed Attribute: Interdisciplinary Requirement.

LIT 370. Urbanism and the Modern Imagination. 3 Credits.
Covers a variety of responses of contemporary writers, artists, and planners to the rise of the modern city.

MAT
MAT 301. The Scientific Revolution. 3 Credits.
This course addresses how modern science began in the 17th century by examining its origins and including introductions to the heroes of science - Copernicus, Kepler, Galileo, and Newton.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Fall & Spring.

MHL
MHL 201. Form and Style in the Arts. 3 Credits.
Relationships between the arts (music, literature, fine arts, and dance) stressed through common principles of form and style. Concentration on the development of skills of critical perception through practical application with reference to various arts.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Fall & Spring.

MHL 212. Music History III. 3 Credits.
A historical survey of music from 1825 to the present. Analysis of appropriateness, style, form, social context, aesthetic concept, and performance practice will be considered.
Pre / Co requisites: MHL 212 requires prerequisites of MHL 211 with a C- or better.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Fall & Spring.

MHL 301. Music and the Related Arts. 3 Credits.
Examines ways in which music parallels at least two other visual, performing, and/or verbal arts in Western and/or non-Western culture. Concentration on the development of skills of critical perception through practical application to music and other arts.
Pre / Co requisites: MHL 301 requires a prerequisite of MHC 212 and MHL 211 or permission of instructor.
Typically offered in Fall.
MTC
MTC 101. Music Matters. 3 Credits.
Why is music one of the few cross-cultural universals? Why don’t other species have music? This course considers why we invest so much time and money in creating and listening to music by exploring specific topics such as psychoacoustics, emotional responses to music, creativity, how music reflects and influences culture, music’s role in shaping personal identity, how music contributes to movies, and music’s potential as a therapeutic agent. We will listen to a diverse array of music ranging from Bach to the Beatles, to jazz, to music from India, Cuba, and other cultures around the world.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Spring.

NSG
NSG 222. Issues Transcultural Health Care Del. 3 Credits.
This is a systems approach to health care delivery. Surveys health needs of diverse U.S. populations using a multidisciplinary approach. Introduces the origin and evolution of sociological health beliefs as origin and evolution of sociocultural health beliefs as they impact health behaviors and outcomes of culturally and ethnically diverse individual populations. All concepts will be approached from a business/economics, health and political science perspectives. Promote collaboration among disciplines, to improve health care services for diverse populations.
Gen Ed Attribute: Interdisciplinary Requirement.

NTD
NTD 277. Sustainable Food Systems. 3 Credits.
The primary objective of this course, taught by an anthropologist and a registered dietitian, is to examine the interrelationship of nutrition ecology, anthropology and the political economic underpinnings of sustainable food systems.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Spring.
Cross listed courses ANT 277, NTD 277.

PAX
PAX 200. Introduction to Peace and Conflict Studies. 3 Credits.
An interdisciplinary inquiry into the nature and causes of social conflict. The aim throughout is to find ways of avoiding destructive conflict, whether through negotiation or other means. The issue of justice as a factor in conflict receives special attention.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Fall & Spring.

PHI
PHI 102. Introduction to Religious Studies. 3 Credits.
The role of religion in human life. Illustrations drawn from various traditions, rituals, and belief patterns, both ancient and modern.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

PHI 174. Principles of the Arts. 3 Credits.
A critical examination of traditional and contemporary aesthetic theories from diverse cultural perspectives to extend students’ thinking about the “concept” as well as the “experience” of art. Visual and literary arts are emphasized, as well as how to live a more artful life.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Fall.

PHI 330. Introduction to Meaning. 3 Credits.
Discussion of the analysis of meaning given by various disciplines, including philosophy, psychology, linguistics, communication studies, and the arts.
Typically offered in Spring.
Cross listed courses LIN 330, PHI 330.

PHI 371. Medical Ethics. 3 Credits.
A case based approach to the study of philosophical concepts and ethical criteria as applied to health care practice and clinical research.
Pre / Co requisites: PHI 371 requires prerequisite of junior or senior standing or department consent.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Fall & Spring.

PSC
PSC 304. Urban Politics. 3 Credits.
This course examines the politics of governing American urban areas. In doing so, a number of social science perspectives are explored. Particular attention is paid to theories of urban power and democracy and the politics of urban development.
Gen Ed Attribute: Interdisciplinary Requirement.

PSC 318. International Political Economy. 3 Credits.
The focus is the politics of international economic relations. Alternative analytical and theoretical perspectives will be examined for their value in helping to understand and evaluate the historical developments and current operation of the global economy. Special attention is given to system governance (international regimes such as the World Trade Organization and the International Monetary Fund) and the ability of the nations of the world to provide stability to the international political economy. The primary objective of this course is to develop analytical and theoretical skills in the application of various international political economy perspectives (liberalism, mercantilism, Marxism/structuralism) which examine the interrelationship between states and markets.
Gen Ed Attribute: Interdisciplinary Requirement.

SCB
SCB 102. Humans and the Environment. 3 Credits.
The effects of human population on earth’s resources are studied against a background of physical, biological, and health sciences. Note: Students completing SCB 102 may not take ESS 102 or ENV 102 for credit. May not be taken as biology major elective.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Fall & Spring.
Cross listed courses SCB 102, ENV 102, ESS 102.

SCB 210. The Origin of Life and the Universe. 3 Credits.
A course that presents the theory and evidence for the first three minutes of the universe and formation of the stars, galaxies, planets, organic molecules, and the genetic basis of organic evolution. May not be taken as a biology major elective.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Fall.

SMD
SMD 210. Psychosocial Perspectives of Sports/Recreational Injuries. 3 Credits.
Present active individuals with information on the incidence, prevention, and management of sport/recreational injuries. In addition, the psychological impact and sociological factors effecting health care delivery will be addressed. Taken together students will be better prepared and more informed consumers of sport/recreational health care.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

SOC
SOC 349. Perspectives on Mental Illness. 3 Credits.
An interdisciplinary examination of mental disorders- their definition, cause, and treatment.
Pre / Co requisites: SOC 349 requires a prerequisite of SOC 200.
Gen Ed Attribute: Interdisciplinary Requirement.

SWO
SWO 225. Race Relations. 3 Credits.
The course takes an interdisciplinary approach to the study of race, ethnicity and culture. By integrating findings from history, political science, sociology, and social work, students are introduced to cultural differences as they affect family life, the development of law, and the nature and magnitude of racism in our society. The overarching goal of this course is to encourage the student to embark on the process of becoming culturally competent.
Gen Ed Attribute: Diversity Requirement, Interdisciplinary Requirement.

WOS
WOS 225. Intro to Women’s and Gender Studies. 3 Credits.
An interdisciplinary course designed to enable students to analyze the lived experience of women, to evaluate the impact of gender, to question the implications of changing cultural patterns, and to sample first-hand efforts for social change. Satisfies interdisciplinary requirement. Offered every semester.
Typically offered in Fall, Spring & Summer.
WOS 250. Women’s Self Representation. 3 Credits.
An interdisciplinary approach to ways women record their lives.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

WOS 276. Sexual Identity. 3 Credits.
Interdisciplinary introduction to meanings attached to human sexuality, exploring intersections between theories of sexual identity and theories of gender, class, race, ethnicity, age, and nationality.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Spring.

WOS 315. Women of the Global South. 3 Credits.
This course will examine the nature of women's lives in the global South, focusing on topics such as family, education, health, development policies, and political change. Geographic areas studied include Africa, Asia, Latin America, and the Middle East.
Gen Ed Attribute: Diversity Requirement, Interdisciplinary Requirement.
Typically offered in Fall.

WOS 329. Gender and Peace. 3 Credits.
An examination of the ways in which social constructions of gender intersect with perceptions and the experience of war.
Gen Ed Attribute: Diversity Requirement, Interdisciplinary Requirement.
Typically offered in Fall.

WOS 333. Gender, Race and Science. 3 Credits.
A course on the role of gender and race in the formation of science.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Fall & Spring.

WOS 350. Lesbian Studies. 3 Credits.
This course offers an interdisciplinary introduction to lesbian studies that focuses on the historical and contemporary diversity of lesbian genders and sexualities, especially as shaped by race, class, culture, and nation. Special attention will be placed upon lesbian activism as well as contestations within lesbian communities about racism, classism, and cissexism.
Gen Ed Attribute: Interdisciplinary Requirement.
Distance education offering may be available.
Typically offered in Fall & Spring.

LANGUAGE AND CULTURE REQUIREMENT

Language and Culture Requirements for Bachelor of Arts and Bachelor of Music Degree and Certain B.S. Degree Candidates

1. West Chester University believes that college students today require exposure to global cultures, and the University integrates this belief into courses and programs in various ways. Departments in the College of the Sciences and Mathematics, as well as the College of Business and Public Management, in particular, see a need for students earning bachelor of arts degrees to gain competency in language and cultures as a critical aspect of their education. The University provides options for these students based on varying levels of language competency deemed appropriate by major departments for study in their field. Questions regarding language requirements should be directed to the department chairperson. A number of B.A. degree programs require a language proficiency gained from completing the second half of the intermediate year (202) of a language. At this level, students may be expected to have a working knowledge of the language and culture of a country. These programs are as follows:
   a. Biology (p. 185)
   b. English (p. 268)
   c. Languages and Cultures (p. 333) (in a second language)
   d. History (p. 305)
   e. Liberal Studies (p. 358)
   f. Mathematics (p. 372) (limited to French, German, and Russian)
   g. Political Science (p. 439) (B.A. in international relations only)
2. Other B.A. degree programs offer students the following options:
   a. Demonstrating language proficiency through the intermediate level (202) or
   b. Demonstrating language proficiency through the Elementary II (102) level of a language and further acquiring a cultural foundation through taking three culture cluster courses within the same language area. This option is available for the following languages:
      i. American Sign Language
      ii. Arabic
      iii. French
      iv. German
      v. Greek
      vi. Italian
      vii. Latin
      viii. Russian
      ix. Spanish
   c. Each has an approved set of associated culture cluster courses.
      It is not necessary for students to complete the Elementary II (102) level before taking culture cluster courses.
3. While this option does not give students the depth and focus of language study, the three courses will help them understand a culture. (In this option, students may elect to further their language skills by taking an additional semester of the language, plus two culture cluster courses.)
4. Degree programs offering the culture cluster option are as follows:
   a. Anthropology (p. 146)
   b. Communication and Media (p. 211)
   c. Communication Sciences and Disorders (p. 223)
   d. Economics (p. 254) (B.A. only)
   e. Geography (p. 286) (B.A. only)
   f. Philosophy (p. 426)
   g. Political Science (p. 439) (B.A. general and public management only)
   h. Psychology (p. 450)
   i. Sociology (p. 146)
   j. Theatre and Dance (p. 471)
5. Some B.S. degree programs also require a language. Students should see their advisors.
6. The Department of Languages and Cultures (p. 333) handles testing and placement.
7. Course substitutions to the language requirement of a department will be granted if the student meets one of the following criteria:
   a. The student is able to demonstrate proficiency through successful testing by the Department of Languages and Cultures (p. 333).
   b. The student holds a diploma from a secondary education institution in another country. This institution must be at least the equivalent of a U.S. high school, and instruction must be in a language other than English.
   c. Students who may request course substitutions because of a disability should refer to "Services for Students with Disabilities." (p. 87)
   d. Students should take note of the policies regarding taking courses out of sequence (p. 73).

Language Culture Clusters
Of the three required culture cluster courses, students who choose that option may take no more than two in the same department, except that only one may be taken in the department in which they major.
are encouraged to begin taking their culture cluster courses as soon as possible. The 201 level of language courses is acceptable for use as one of the three culture cluster courses. Any exceptions to these conditions must be petitioned. A student may not use one course to simultaneously fulfill a general education distributive requirement and a culture cluster requirement.

**American Sign Language Culture Cluster**

**COM**

**COM 295. Communication and Disability. 3 Credits.**
This course explores how individuals communicate through and about disability. Topics covered include the place of perceptions, identity, language, non-verbal behavior, and assistive technology in interpersonal communicative interactions among and about individuals with disabilities in family, friendship, and professional relationships.
Typically offered in Fall & Spring.

**DST**

**DST 357. Deaf Culture Perspectives. 3 Credits.**
This course will cover a variety of issues related to the Deaf community. It will acquaint students with the history, traditions, and values within the culture of Deaf people. The history of deaf people will focus on struggles, cultural vs. pathological views, and empowerment. Values include the importance of Deaf culture's perspectives on education of deaf children, communication issues, technology, and preservation of American Sign Language.
Pre / Co requisites: DST 357 requires a prerequisite of CSD 110 or ASL 110.
Typically offered in Spring.

**KIN**

**KIN 254. Disability Studies: An Interdisciplinary Introduction. 3 Credits.**
A study of the psychological and social implications of physical disabilities.
Distance education offering may be available.
Typically offered in Fall & Spring.

**Arabic Culture Cluster**

**HIS**

**HIS 411. Middle East to 1700. 3 Credits.**
The historical evolution of the Middle East from just before the time of Muhammad until 1700. The course seeks to promote an understanding of the nature and rise of the religion of Islam, the spread of Islamic civilization, and the evolution of the Arab and Ottoman empires.
Gen Ed Attribute: Arabic Culture Cluster, Foreign Language Culture Cluster.
Typically offered in Fall.

**HIS 412. Middle East Since 1600. 3 Credits.**
The historical evolution of the Middle East from 1600 to the present. The course seeks to promote a historically sound understanding of the conflicts and differences between Western and Middle Eastern societies, as well as the continuing interplay of secular and religious forces in the history of the region.
Gen Ed Attribute: Arabic Culture Cluster, Foreign Language Culture Cluster.
Typically offered in Spring.

**PHI**

**PHI 220. Introduction to Islam. 3 Credits.**
A general introduction to Islam which will focus on the sources for Muslim belief and practices, the diversity within the Muslim community, and modern movements within Islam and the Muslim community in America.
Gen Ed Attribute: Arabic Culture Cluster, Foreign Language Culture Cluster, Humanities Distributive Requirement.
Typically offered in Spring.

**Classical Civilizations Culture Cluster**

**ARH**

**ARH 382. Art of Greece and Rome. 3 Credits.**
The art and architecture of the Greeks, Etruscans, and Romans.
Gen Ed Attribute: Classical Civilizations Culture Cluster, Foreign Language Culture Cluster.
Typically offered in Fall & Spring.

**CLS**

**CLS 201. Classical Greco Roman Myth in 20th Century Arts. 3 Credits.**
The study of Greeks and Roman mythology and its influence on 20th and 21st century Western culture.

**CLS 367. Classical Greco Roman Mythology. 3 Credits.**
A survey of Greek and Roman mythology from Homer to Ovid.

**CLS 368. Greco Roman, Culture, Myth & Society. 3 Credits.**
The study of the Trojan War myth cycle in Greek and Roman mythology through literature, history, and art from Homer through the Latin Middle Ages and the way this myth reflects the culture and society of the texts in question.

**HIS**

**HIS 318. The Ancient World. 3 Credits.**
Classical Greece and Rome with consideration of economic, social, intellectual, and political history. Selected writings of the ancients.
Gen Ed Attribute: Classical Civilizations Culture Cluster, Foreign Language Culture Cluster.

**HIS 319. Medieval Europe. 3 Credits.**
Western Europe from the fall of Rome to approximately 1300. Economic, social, political, and intellectual developments in the major kingdoms of the West; the history of the Universal Church.
Gen Ed Attribute: Classical Civilizations Culture Cluster, Foreign Language Culture Cluster.

**PHI**

**PHI 270. History of Ancient Philosophy. 3 Credits.**
A survey of the major figures of ancient philosophy, from the pre-Socratic period through Plato, Aristotle, the Epicureans, and Stoics, to the Skeptics and Neo-Platonists.
Gen Ed Attribute: Classical Civilizations Culture Cluster, Foreign Language Culture Cluster.
Typically offered in Fall & Spring.

**PHI 271. History of Medieval Philosophy. 3 Credits.**
The history of philosophy from the early Church fathers to the late Middle Ages. St. Augustine, St. Thomas, mysticism, Jewish and Islamic influences, humanism, and the rise of science.
Gen Ed Attribute: Classical Civilizations Culture Cluster, Foreign Language Culture Cluster.
Typically offered in Spring.

**French and Francophone Area Culture Cluster**

**ARH**

**ARH 383. Art of the Middle Ages. 3 Credits.**
The art and architecture of the European medieval world and their development from Early Christian and Romanesque art into the full flowering of the Gothic period.
Typically offered in Fall & Spring.

**ARH 385. 18th and 19th Century Art. 3 Credits.**
From David to Rodin: the rise and development of the Romantic style and its struggle with orthodox Classicism.
Gen Ed Attribute: Foreign Language Culture Cluster, France & Francophone Area Culture Cluster.
Typically offered in Fall & Spring.
EFR

EFR 320. French Civilization (In English). 3 Credits.
(In English) A study of France's political and educational systems and economic and religious institutions with emphasis on contemporary aspects.
Typically offered in Fall.

EFR 330. Francophone Cultures West Africa-Caribbean. 3 Credits.
A multidisciplinary approach to the cultures and civilizations of Francophone countries in West Africa and the Caribbean, including historical and geographical factors, religious and sociological structures, and literary and artistic production.
Gen Ed Attribute: Foreign Language Culture Cluster, France & Francophone Area Culture Cluster.
Typically offered in Fall.

EFR 350. French Civilization on Film. 3 Credits.
(In English) A study of French history and culture as reflected in French and French-speaking cinema.
Gen Ed Attribute: Foreign Language Culture Cluster, France & Francophone Area Culture Cluster.
Typically offered in Fall.

EFR 401. French Business Culture. 3 Credits.
This course offers an insight into the operation of modern business in France and the European Union by addressing economic systems, management styles, customs and manners in an international context.
Gen Ed Attribute: Foreign Language Culture Cluster, France & Francophone Area Culture Cluster.
Typically offered in Fall.

GEO

GEO 303. Geography of Europe. 3 Credits.
A survey course focusing on the regional geography of Europe. The course includes and examination of the physical environment, cultural traditions, lifestyles, economies, urban environment and political change throughout the region.
Gen Ed Attribute: Foreign Language Culture Cluster, France & Francophone Area Culture Cluster, Germany Culture Cluster, Italy (Italian) Culture Cluster.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

HIS

HIS 328. The French Revolution and Napoleon. 3 Credits.
A study of key social, political, and cultural themes of the French Revolution from its origins during the ancient regime to the fall of Napoleon Bonaparte.
Gen Ed Attribute: Foreign Language Culture Cluster, France & Francophone Area Culture Cluster.
Typically offered in Fall & Spring.

HIS 427. Modern France: 1789 To Present. 3 Credits.
A survey of modern France from the Revolutionary era through the turbulent 19th century to the post-WWII recovery. Major themes include the social cultural political, and economic aspects of modern and contemporary France.
Gen Ed Attribute: Foreign Language Culture Cluster, France & Francophone Area Culture Cluster.
Typically offered in Fall & Spring.

HIS 435. European Intellectual History Since 1800. 3 Credits.
A cultural history of ideas in 19th- and early 20th-century Europe.
Gen Ed Attribute: Foreign Language Culture Cluster, France & Francophone Area Culture Cluster, Germany Culture Cluster.
Typically offered in Fall & Spring.

PHI

PHI 415. Existentialism. 3 Credits.
An exploration of important texts in 19th century and 20th century existentialism and their influence on contemporary currents in philosophy and social sciences.
Pre / Co requisites: PHI 415 requires prerequisite of 2 PHI courses.
Gen Ed Attribute: Foreign Language Culture Cluster, France & Francophone Area Culture Cluster.
Typically offered in Fall.

PSC

PSC 342. European Politics. 3 Credits.
Comparative analysis of political cultures, parties, and decision-making processes in principal European political systems. Strong focus on major European nation states: France, Germany, UK and Italy. Additional attention given to the European Union.
Gen Ed Attribute: Foreign Language Culture Cluster, France & Francophone Area Culture Cluster, Germany Culture Cluster, Italy (Italian) Culture Cluster.
Typically offered in Fall & Spring.

German Culture Cluster

EGE

EGE 323. Austrian Civilization. 3 Credits.
An interdisciplinary study of Austrian civilization, focusing on Vienna 1848-1938. The relationship of selected cultural and intellectual developments to their political and social contexts. This course employs the perspective of many disciplines but is specifically concerned with the humanities and visual arts.
Gen Ed Attribute: Foreign Language Culture Cluster, Germany Culture Cluster, Interdisciplinary Requirement.
Typically offered in Fall & Spring.

EGE 403. 20th C Masterpieces: Kafka, Mann, Hesse. 3 Credits.
An in-depth analysis of the prose works of three major 20th-century German writers. In our close reading of these works, we shall consider such narrative techniques as point-of-view, ambiguity, and irony as well as such German intellectual and artistic contributions as Expressionism, psychoanalysis, and the Bildungsroman. No knowledge of German required.
Gen Ed Attribute: Foreign Language Culture Cluster, Germany Culture Cluster.

EGE 404. Artists as Conscience: Postwar Lit/Film. 3 Credits.
An examination of the political and social issues of contemporary Germany through an analysis of literary and cinematic texts. Discussion topics include the Holocaust, Nazism, the Second World War, the Economic Miracle, the Cold War, terrorism, the feminist and peace movements, atomic warfare, and German reunification and its aftermath. No knowledge of German required.
Gen Ed Attribute: Foreign Language Culture Cluster, Germany Culture Cluster.

EGE 405. German Film: Expressionism to the New German Cinema. 3 Credits.
An analysis of German films from Expressionism to the present. We shall examine the films in terms of their political and social context and as works of art. Directors include Fritz Lang, Murnau, Wiene, Fassbinder, Herzog, Schloendorff, von Trotta, and Wenders. No knowledge of German required.

EGE 408. Masterpieces of German Theatre. 3 Credits.
A study of the various trends of 20th century German drama in the Federal Republic, the former GDR, Switzerland, and Austria, with a focus on expressionism, epic theater, and documentary theater. Taught in English. No knowledge of German required.
Gen Ed Attribute: Foreign Language Culture Cluster, Germany Culture Cluster.

EGE 409. Impact of Holocaust on Lit and Film. 3 Credits.
This course studies the causes and effects of the Holocaust through literary, philosophical, and cinematic works of post-war Europe and America. No knowledge of German required.
Gen Ed Attribute: Foreign Language Culture Cluster, Germany Culture Cluster.

GEO

GEO 303. Geography of Europe. 3 Credits.
A survey course focusing on the regional geography of Europe. The course includes and examination of the physical environment, cultural traditions, lifestyles, economies, urban environment and political change throughout the region.
Gen Ed Attribute: Foreign Language Culture Cluster, France & Francophone Area Culture Cluster, Germany Culture Cluster, Interdisciplinary Requirement.
Typically offered in Fall & Spring.
HIS
HIS 323. Austrian Civilization. 3 Credits.
An interdisciplinary study of Austrian civilization, 1848-1938. Emphasis is placed on fin-de-siecle Vienna, not only as its pivotal role in Austrian culture but also as a testing ground for modernism in the West.
Gen Ed Attribute: Foreign Language Culture Cluster, Germany Culture Cluster, Interdisciplinary Requirement.
Typically offered in Fall & Spring.

HIS 423. Modern Germany. 3 Credits.
Germany in the 19th and 20th centuries: Napoleonic era, rise of Prussia, nationalism and unification, imperialism and World War I, National Socialism, World War II, and divided Germany.
Gen Ed Attribute: Foreign Language Culture Cluster, Germany Culture Cluster.
Typically offered in Fall.

HIS 435. European Intellectual History Since 1800. 3 Credits.
A cultural history of ideas in 19th- and early 20th-century Europe.
Gen Ed Attribute: Foreign Language Culture Cluster, France & Francophone Area Culture Cluster, Germany Culture Cluster.
Typically offered in Fall & Spring.

PHI
PHI 272. History of Modern Philosophy, 3 Credits.
From Descartes to Hegel. The social, political, and scientific impact of the philosophers.
Gen Ed Attribute: Foreign Language Culture Cluster, Germany Culture Cluster.
Typically offered in Spring.

PHI 273. 19th Century Philosophy, 3 Credits.
Hegel and German Idealism; decisive influences on European and American literature and thought. Survey of the chief themes of Schopenhauer, Comte, Mill, Spencer, Marx, Kierkegaard, Darwin, and Nietzsche.
Gen Ed Attribute: Foreign Language Culture Cluster, Germany Culture Cluster.
Typically offered in Spring.

PSC
PSC 342. European Politics. 3 Credits.
Comparative analysis of political cultures, parties, and decision-making processes in principal European political systems. Strong focus on major European nation states: France, Germany, UK and Italy. Additional attention given to the European Union.
Gen Ed Attribute: Foreign Language Culture Cluster, France & Francophone Area Culture Cluster, Germany Culture Cluster, Italy (Italian) Culture Cluster.
Typically offered in Fall & Spring.

Italian Culture Cluster

ARH
ARH 384. Art of Renaissance-Baroque. 3 Credits.
Study of the art forms of the 15th through 17th centuries in Europe as they affected social and religious cross currents and the rise of the role of the artist in society.
Gen Ed Attribute: Foreign Language Culture Cluster, Italy (Italian) Culture Cluster.
Typically offered in Fall & Spring.

EIT
EIT 321. Images of Italy. 3 Credits.
(In English) An overview of Italian geography, history, and regional cultures, along with its literary, philosophical, scientific, and artistic manifestations and contributions to the world.
Gen Ed Attribute: Foreign Language Culture Cluster, Italy (Italian) Culture Cluster.
Typically offered in Fall & Spring.

EIT 360. Italy on Film. 3 Credits.
A study of Italian history and culture as seen through a selection of feature films.
Gen Ed Attribute: Foreign Language Culture Cluster, Italy (Italian) Culture Cluster.

GEO
GEO 303. Geography of Europe. 3 Credits.
A survey course focusing on the regional geography of Europe. The course includes and examination of the physical environment, cultural traditions, lifestyles, economies, urban environment and political change throughout the region.
Gen Ed Attribute: Foreign Language Culture Cluster, France & Francophone Area Culture Cluster, Germany Culture Cluster, Italy (Italian) Culture Cluster.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

PSC
PSC 342. European Politics. 3 Credits.
Comparative analysis of political cultures, parties, and decision-making processes in principal European political systems. Strong focus on major European nation states: France, Germany, UK and Italy. Additional attention given to the European Union.
Gen Ed Attribute: Foreign Language Culture Cluster, France & Francophone Area Culture Cluster, Germany Culture Cluster, Italy (Italian) Culture Cluster.
Typically offered in Fall & Spring.

THA
THA 410. Behind the Mask: Revelations of Italian Culture Through Renaissance Theatre Practices. 3 Credits.
Students will travel to Italy to study Italian Renaissance Theatre and to perform in the very streets and city squares where Italian Renaissance actors performed 500 years ago. In doing so, students will gain a better understanding of Italian culture. Classes will be taught in Commedia dell’Arte, Italian Puppetry, Ancient Greek Theatre, Stage Combat, Mask Making, and Puppet Construction. Several supplemental courses may be taught in Archery, Italian Language, Physical Fitness for the Physical Theatre, Tarantella (Italian Folk Dance) and Italian Cooking.
Consent: Permission of the Department required to add.
Gen Ed Attribute: Foreign Language Culture Cluster, Italy (Italian) Culture Cluster.
Distance education offering may be available.
Typically offered in Summer.

Russian and Eastern European Culture Cluster

ERU
ERU 309. Russian Culture. 3 Credits.
(In English) A course designed to acquaint students with Russian culture and life in Russia today. No knowledge of Russian required.
Typically offered in Fall & Spring.

ERU 310. The Literature of Russia. 3 Credits.
Survey of Russian literature from its origin to the present. All works read in English. No knowledge of Russian required.
Gen Ed Attribute: Foreign Language Culture Cluster, Russia & Eastern Europe Culture Cluster.

GEO
GEO 304. Geography of Asia. 3 Credits.
This course is a survey course focusing on the geography of Asia. This course utilizes a systematic approach to understanding Asia’s geography and includes an examination of the physical environment, the cultural traditions, lifestyles, economies, development, and urban environment throughout the Asia region. The course focuses on the regions of South, Central, East, and Southeast Asia. Russia and the eastern countries of the former Soviet Union are also covered.
Gen Ed Attribute: Foreign Language Culture Cluster, Russia & Eastern Europe Culture Cluster.
Typically offered in Spring & Summer.

HIS
HIS 324. Imperial Russia. 3 Credits.
Russian history from Peter the Great to the February revolution of 1917. Emphasis on issues of modernity and ethnic identity.
Gen Ed Attribute: Foreign Language Culture Cluster, Russia & Eastern Europe Culture Cluster.
Typically offered in Fall.
Spanish Culture Cluster

ANT

ANT 224. Native People of South America. 3 Credits.
This course will introduce the student to the study of native peoples of South America after the European contact. Geographically, the course will cover the cultural characteristics, similarities, and differences among South American natives including the Amazonia.
Gen Ed Attribute: Foreign Language Culture Cluster, Spanish Culture Cluster.
Typically offered in Fall, Spring & Summer.

ANT 322. Ethnology of Central America. 3 Credits.
Survey of the modern cultures of Central America: relationships to ancient peoples; the process of modernization in this area.
Pre / Co requisites: ANT 322 requires prerequisite of ANT 102.
Gen Ed Attribute: Foreign Language Culture Cluster, Spanish Culture Cluster.
Typically offered in Fall & Spring.

ANT 324. Native People of the Andes. 3 Credits.
This course provides a comprehensive survey of the historical formation and development of the Andean society before and after the Spanish conquest.
Gen Ed Attribute: Foreign Language Culture Cluster, Spanish Culture Cluster.
Typically offered in Fall, Spring & Summer.

ANT 362. Archaeology of Central America. 3 Credits.
The archaeological record of Central America, covering the significant features of each culture area from modern Mexico to Panama.
Gen Ed Attribute: Foreign Language Culture Cluster, Spanish Culture Cluster.
Typically offered in Fall & Spring.

ARH

ARH 389. Art of Spain. 3 Credits.
Introduction to the art and architecture of Spain and her colonies from the caves of Altamira to the contemporary period. Focus on specific artists including Velazquez, Goya, Miro, Gaudi, Picasso, and Dal. 
Typically offered in Fall & Spring.

CLS

CLS 333. Latina Writing. 3 Credits.
An examination of the literary works produced by Latinas in the 20th century. The study of this literature will include a cross-cultural approach that will elucidate sociopolitical themes emerging from the texts.
Typically offered in Fall.

CLS 334. Politics and Economics Lit of Modern Amer. 3 Credits.
A comparative historical and literary examination of political and economic issues reflected in 20th century U.S. and Latin American literature. The study of representative texts of various genres will also elucidate issues of race, class and gender.
Gen Ed Attribute: Foreign Language Culture Cluster, Spanish Culture Cluster.

DAN

DAN 380. Cuban Rumba: Cultural Identity. 3 Credits.
This course is a theory and practice course, designed for students interested in exploring the layered social and cultural history of Cuba, through the lens of its national dance, the rumba. Cuban rumba is made up of three different dances: guaguanco, yambu, and colombia; which this course will focus on embodying, while simultaneously examining its history and place within society. Inside the theoretical conversations, the focus will shift and build from its African and Spanish lineage to social repression on the island, architecture as a container for community and performance, gender agency, and cultural identity appropriation.
Gen Ed Attribute: Foreign Language Culture Cluster, Spanish Culture Cluster.

ESP

ESP 300. Latin-American Culture and Civilization (In English). 3 Credits.
Cultural, geographic, literary, philosophical, and artistic manifestations of the Hispanic-American world. No knowledge of Spanish is required.
Typically offered in Fall & Spring.

ESP 305. Spanish Cinema. 3 Credits.
This course will investigate the ways in which films participate in and create debates about the relationship between national identification, class, and gender. No knowledge of Spanish is required; taught in English.
Typically offered in Fall & Spring.

ESP 306. Representations of the Spanish Civil War. 3 Credits.
A study of how political activism in and outside of Spain created debates about the relationship between national culture(s), society, politics, and “official” versions of history.
Gen Ed Attribute: Foreign Language Culture Cluster, Spanish Culture Cluster.
Typically offered in Spring.

ESP 307. Spanish Women (1931 to Present). 3 Credits.
An examination of contributions of Spanish women to cultural movements that have shaped Spain’s national identity and history. Selections from novels, short stories, and poems.
Gen Ed Attribute: Foreign Language Culture Cluster, Spanish Culture Cluster.

ESP 309. Latin America on Film. 3 Credits.
The course consists of the viewing and analysis of several films dealing with Latin America. It addresses critical issues (the representation of history, the socio-economic construct, the political puzzle, ethnic diversity, racial and gender discrimination, criticism of institutions) of several Latin American countries. The films stand in strong contrast to the traditional and often stereotypical image of Latin America and Hispanics fabricated by Hollywood.
Typically offered in Fall & Spring.

ESP 310. Latin American Narrative from the European Conquest to 1930s. 3 Credits.
This course is an overview of the literature of Latin America from the arrival of European conquerors through the early 20th century. Throughout the semester, we will focus on narratives of encounter and conquest, life in the Colonial period, early republican literatures in Spanish American Countries and life in Imperial Brazil, as well as texts from the first half of the 20th century. We will reflect on geographic ideological perspectives on “America” and “Latin America,” cultural and religious mixture (hybridism, syncretism), indigenismo, and the concept of identity in regional, national, ethnic, and gender matters.
Gen Ed Attribute: Foreign Language Culture Cluster, Spanish Culture Cluster.
Typically offered in Fall.

ESP 311. Contemporary Latin American Narrative. 3 Credits.
An examination of Latin American narrative (short story, novella, novel, and testimonial literature). Spanish- and Portuguese-language writers from South and Central America, Mexico, and the Caribbean will be studied, from the period of magical realism (1950s and 1960s) through the present. They may include Isabel Allende, Jorge Amado, Miguel Angel Asturias, Jorge Luis Borges, Gabriel Garcia Marquez, Clarice Lispector, Elena Poniatowska, and Luis Rafael Sanchez.
Gen Ed Attribute: Foreign Language Culture Cluster, Spanish Culture Cluster.
Distance education offering may be available.
Typically offered in Fall & Spring.
ESP 316. Latin American Avant-Garde and Mass Media. 3 Credits.
An exploration of the groundbreaking avant-garde artistic practices and the technological innovations of mass media from the early 1900s to today in Latin America. Course studies the historical origins and transformation of concepts such as “originality,” “individuality,” and “the new” to understand how they acquired political, economic, social, and cultural value in modern Latin America. No knowledge of Spanish is required.

ESP 318. Speaking Spanish in the United States. 3 Credits.
A course on the different historical, social and cultural issues related to the use of Spanish in the United States alongside other languages, mainly English, including the centuries-long presence of the language, and phenomena such as bilingualism, code-switching, language shift and language death. This course is taught entirely in English.
Gen Ed Attribute: Foreign Language Culture Cluster, Spanish Culture Cluster.
Distance education offering may be available.
Typically offered in Fall & Spring.

ESP 319. Cultural Realities of Spain. 3 Credits.
A study of the origins and evolution of Spanish character, tradition, and thought as a result of its multi-cultural past and present. The interrelationship of its history and arts. The scope of its contribution to Western culture. No knowledge of Spanish is required.
Typically offered in Fall & Spring.

ESP 324. Latinos in the U.S.. 3 Credits.
An interdisciplinary examination of Latinas/Latinos in the U.S. Course examines the changing cultural, historical, political, and economic situations of several Hispanic groups, including Central Americans, Cubans, Mexicans, and Puerto Ricans.
Typically offered in Fall & Spring.

ESP 333. Latina Writing. 3 Credits.
An examination of the literary works produced by Latinas in the 20th century. The study of this literature will include a cross-cultural approach that will elucidate sociopolitical themes emerging from the texts. No knowledge of Spanish is required.
Typically offered in Fall & Spring.

ESP 334. Politics & Economics Lit Of Modern Amer. 3 Credits.
(also CLS 334) A comparative historical and literary examination of political and economic issues reflected in 20th century U.S. and Latin American literature. The study of representative texts of various genres will also elucidate issues of race, class and gender. No knowledge of Spanish is required.
Gen Ed Attribute: Foreign Language Culture Cluster, Spanish Culture Cluster.
Typically offered in Fall.

ESP 335. Latino Literatures in the US. 3 Credits.
This course examines the history of Latino groups (e.g., Mexicans, Cubans, and South Americans) in the U.S. through literary texts written by Latinos, and studies the cultural, economic, and political experiences leading to their acculturation or alienation in mainstream America.
Typically offered in Fall.

ESP 335. Islamic Spain. 3 Credits.
This course will investigate the history, art and religious practices of medieval Islamic Spain (711-1492). It highlights the diversity of a multi-cultural, multi-lingual society in which Muslims, Jews and Christians experienced periods of peace and prosperity, as well as conflict and war. The dynamics of period and place will be viewed in relevance to contemporary events and global relationships.
Gen Ed Attribute: Foreign Language Culture Cluster, Spanish Culture Cluster.
Typically offered in Fall.

GEO 302. Geography of Latin America. 3 Credits.
Central and South America are studied with emphasis on geographic understanding of the major sources of change in recent times. The course focuses on selected individual countries in addition to presentation of the region as a whole.
Gen Ed Attribute: Foreign Language Culture Cluster, Spanish Culture Cluster.
Typically offered in Fall & Spring.

HIS 315. Colonial Latin America. 3 Credits.
Pre-Columbian period, colonial Latin America, and movements for independence; Indian, European, and African backgrounds; government, economy, society, religion, culture, and enlightenment. Interaction of diverse cultures in the New World.
Gen Ed Attribute: Foreign Language Culture Cluster, Spanish Culture Cluster.
Typically offered in Fall, Spring & Summer.

HIS 316. Modern Latin America. 3 Credits.
Latin America in the 19th and 20th centuries; liberalism, conservatism, dictatorship, revolution, socialism, industrialization, agrarian reform, cultural-intellectual achievements, and international relations. Topical approach, using individual countries as case history illustrations.
Gen Ed Attribute: Foreign Language Culture Cluster, Spanish Culture Cluster.
Typically offered in Fall, Spring & Summer.

HIS 317. History of Mexico. 3 Credits.
Mexico from Pre-Columbian period to present, including civilizations of Mayas and Aztecs, Spanish conquest, Colonial period, movement for independence era of Santa Ana, La Reforma, Diaz dictatorship, Mexican Revolution, cultural-intellectual achievements, international relations, and modernization of Mexico since the Revolution.
Gen Ed Attribute: Foreign Language Culture Cluster, Spanish Culture Cluster.

PSC 340. Latin American Culture and Politics. 3 Credits.
This course invites students to conduct comparative analysis of political cultures, parties, and decision-making, ideologies and political processes across the Latin American region. Students will learn how to explain the complexities of race, class and gender in Latin American social structures, relating historical, economic and cultural legacies to analysis on contemporary issues.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

MATHEMATICS REQUIREMENT
Three credits required.

Mathematics
College-level mathematics course designated by the student's major department. 3

Total Credits 3

Policy for placement in mathematics:

Mathematics Placement

Mathematics Placement Examination
New, incoming students are placed into the appropriate mathematics course based on their performance on the Mathematics Placement Examination, which is administered by the Department of Mathematics (p. 372). The Mathematics Placement Examination is designed to determine the most appropriate course for you based on your mastery of prerequisite concepts, knowledge, and skills. As a student you are not well served if you enroll in a mathematics course for which you are unprepared and, by the same token, you are not well served if you enroll in a course where you have already mastered the material. The goal is to place you in the course where, if you work hard, you can succeed.
Instructions on taking the Mathematics Placement Examination can be found in the WCU Placement Portal on myWCU.
SCIENCE REQUIREMENT

Science courses develop a student’s ability to gather and analyze data; observe; and employ quantitative methods, as well as basic thought processes, to the examination of the natural or physical world.

Six credits required.

Select courses from at least two of the following areas. Courses must be selected from outside the student’s major department.

Course List

BIO

BIO 100. Basic Biological Science. 3 Credits.
LEC (2), LAB (2)
Gen Ed Attribute: Science Distributive Requirement.
Typically offered in Fall, Spring & Summer.

BIO 110. General Biology. 3 Credits.
LEC (2), LAB (3)
The concepts general to all living organisms such as cell structure and function, genetics, evolution, and ecology. This course is designed for majors in biology and related scientific areas.
Gen Ed Attribute: Science Distributive Requirement.
Typically offered in Fall, Spring & Summer.

CHE

CHE 100. Concepts of Chemistry. 3 Credits.
LEC (2), LAB (1)
A broad survey course with a laboratory experience that seeks to develop an understanding of the field of chemistry through inquiry. Basic competence in scientific methods and procedures will be obtained by observing chemical reactions and studying the chemical and physical properties of a variety of compounds.
Gen Ed Attribute: Science Distributive Requirement.
Typically offered in Fall.

CHE 103. General Chemistry I. 3 Credits.
Basic laws and theories of chemistry, including atomic structure, chemical bonding, oxidation-reduction, solutions, and ionic equilibria. Correlations of chemical principles and their application to modern descriptive chemistry. CHE 103 must precede CHE 104.
Gen Ed Attribute: Science Distributive Requirement.
Typically offered in Fall & Spring.

CHE 160. The Chemistry of Beer. 3 Credits.
An introduction to the chemistry of beer, including its properties, ingredients, production, and origins. The chemistry and biochemistry of alcohol will also be covered.
Gen Ed Attribute: Science Distributive Requirement.
Typically offered in Fall & Spring.

ESS

ESS 111. Other Worlds, Other Stars. 3 Credits.
An introductory course in astronomy. Topics will focus on the observable changes in the night sky, the properties of light, the laws of motion, the formation and composition of the solar system, extra solar planets, the properties of stars, stellar evolution and stellar death.
Gen Ed Attribute: Science Distributive Requirement.
Typically offered in Fall & Spring.

ESS 130. Our Coastal Ocean. 3 Credits.
This course examines the physical and biological processes at work in the coastal oceans. The content will be discussed in the framework of regional examples.
Gen Ed Attribute: Science Distributive Requirement.
Typically offered in Fall & Spring.

CSS

CSS 115. Introduction to Computer Programming. 3 Credits.
The art and science of computing are introduced using a structured programming language, such as Visual BASIC. Topics include looping, branching, arrays, and program development.
Gen Ed Attribute: Science Distributive Requirement.
Typically offered in Fall, Spring & Summer.

CSS 141. Computer Science I. 3 Credits.
An introduction to programming using Java. Topics covered include basic program layout, primitive data types and strings, control structures (loops and decisions) methods, parameters, and text file input/output.
Gen Ed Attribute: Science Distributive Requirement.
Typically offered in Fall, Spring & Summer.

Public Speaking Requirement

SPK

SPK 208. Public Speaking. 3 Credits.
Development of skills necessary to understand the theory of communication as a problem-solving tool in the community. Special emphasis is on the student's performance as a sender and receiver of messages directed at social action.
Gen Ed Attribute: Public Speaking Requirement.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

SPK 230. Business and Professional Speech Communication. 3 Credits.
LEC (3), LAB (0)
Practice in effective speaking and listening. Interpersonal communication in the business and professional setting, including reports and sales presentations, policy speeches, conference leadership techniques, group dynamics, and speaking.
Gen Ed Attribute: Public Speaking Requirement.
Typically offered in Fall, Spring & Summer.

WCU will continue to accept transfer equivalencies for the public speaking general education requirement, provided the student successfully completed the course at an accredited institution prior to fall 2006.

If students have questions about the Mathematics Placement exam they can e-mail the Department of Mathematics at mathexam@wcupa.edu.
ESS 170. Introduction to Our Atmosphere. 3 Credits.
Why is the sky blue? What will the weather be tomorrow? What makes tornadoes? How did the ozone hole develop? What is the greenhouse effect? This class will use these questions and others to investigate the basic physical processes that determine the weather and climate on earth. A student who has successfully completed ESS 170 may not subsequently receive credit for ESS 170.
Gen Ed Attribute: Science Distributive Requirement.
Distance education offering may be available.
Typically offered in Fall & Spring.

GEO 104. Introduction to Geospatial Technology and Analytics. 3 Credits.
This course develops critical thinking skills through the exploration of the fundamental components of data analytics in terms of spatial data and geospatial technologies. This includes the basic concepts and skills related to the 3 core areas of analytics, 1) data, 2) analysis, and 3) visualization. Data structures and skills are examined within the context of Geographic Information Systems (GIS). Spreadsheets, database tools, GIS software, and geospatial technology are used to capture, manage, and store spatial data. Analysis tools, such as spreadsheet functions, scripts, and GIS software are used to investigate data sets related to discipline-specific projects. Geovisualization of results are communicated using map applications, dash boards, and story maps.
Gen Ed Attribute: Science Distributive Requirement.
Typically offered in Fall & Spring.

PHI

PHI 125. Theology & Science: Enemies or Partners?. 3 Credits.
An inquiry into the relationship of theology to the natural sciences. Team taught by both a physicist and a philosopher, the course investigates how ideas of God have been affected by advances in physics and biology.
Typically offered in Spring.
Cross listed courses PHI 125, PHY 125.

PHY

PHY 100. Elements of Physical Science. 3 Credits.
A study of motion, energy, light, and some aspects of modern physics.
Gen Ed Attribute: Science Distributive Requirement.
Distance education offering may be available.
Typically offered in Fall & Spring.

PHY 105. Structure of the Universe. 3 Credits.
A survey of phenomena and objects in the universe from the very smallest distance scales to the grandest in the cosmos. Includes a historical consideration of the developments of modern theories of the physical world.
Gen Ed Attribute: Science Distributive Requirement.
Typically offered in Fall & Spring.

PHY 123. Food, Fire, and Physics: The Science of Cooking. 3 Credits.
An exploration of food and cooking from a physical science perspective. Principles of soft matter physics (e.g. phase diagram, intermolecular forces, rheology, diffusion, self-assembly, polymer physics) are discussed and used to gain insight into food and cooking.
Gen Ed Attribute: Science Distributive Requirement.
Typically offered in Spring.

PHY 125. Theology and Science: Enemies or Partners. 3 Credits.
An inquiry into the relationship of theology to the natural sciences. Team taught by both a physicist and a philosopher, the course investigates how ideas of God have been affected by advances in physics and biology.
Typically offered in Spring.
Cross listed courses PHI 125, PHY 125.

PHY 130. General Physics I. 4 Credits.
LEC (3), LAB (2), DIS (1)
An introductory, noncalculus, physics course. Mechanics of solids and fluids, wave motion, heat and temperature, thermodynamics, and kinetic theory.
Gen Ed Attribute: Science Distributive Requirement.
Typically offered in Fall, Spring & Summer.

PHY 140. General Physics II. 4 Credits.
LEC (3), LAB (2), DIS (1)
An extension of PHY 130. Electricity and magnetism, geometrical and physical optics, and modern physics.
Pre / Co requisites: PHY 140 requires prerequisite of PHY 130.
Gen Ed Attribute: Science Distributive Requirement.
Typically offered in Fall, Spring & Summer.

PHY 170. Physics I. 4 Credits.
LEC (3), LAB (2), DIS (1)
An introductory laboratory-based course. Includes mechanics, kinetic theory, waves, heat, and thermodynamics. The laboratory emphasizes error analysis, the writing of technical reports, and data analysis using computers.
Pre / Co requisites: PHY 170 requires a prerequisite of MAT 161.
Gen Ed Attribute: Science Distributive Requirement.
Typically offered in Fall & Spring.

PHY 180. Physics II. 4 Credits.
LEC (3), LAB (2), DIS (1)
A continuation of PHY 170. Includes electricity and magnetism, geometrical and physical optics, electronics, and modern physics.
Pre / Co requisites: PHY 180 requires prerequisite of PHY 170 and co-requisite of MAT 162.
Gen Ed Attribute: Science Distributive Requirement.
Typically offered in Fall & Spring.

WRITING EMPHASIS REQUIREMENT

9 credits required.
The rationale for writing emphasis courses is that writing is integral to all academic learning in liberal and professional studies. These courses are not foundational; they are intended to enhance. The University regards writing as much more than a set of basic language skills. Syllabi for writing emphasis courses shall clearly state that improving the student’s writing abilities is an objective of the course and specifically indicate the percentage of the final course grade that is derived from writing assignments. Writing emphasis courses will provide the student with both formal and informal writing opportunities, direct classroom instruction in the techniques of composition, and at least one opportunity to review written work with feedback from the instructor. The University curricula provide for the following:

1. Writing emphasis courses each semester in traditional liberal studies (for example, English literature, history, anthropology, sociology, chemistry, and physics) and in professional studies (for example, criminal justice, early childhood education, nursing, and public health)

2. A general requirement that all students must take three of these writing emphasis courses, in addition to English composition

All students who take their entire general education program at West Chester University must complete at least three approved writing emphasis courses that total at least nine credits. All transfer students who enter with fewer than 40 credits must complete at least three approved writing emphasis courses for a total of at least nine credits at West Chester University. Transfer students who enter with 40–70 credits must take at least two writing emphasis courses that total at least six credits. Students who transfer more than 70 credits must take at least one writing emphasis course that totals at least three credits. All students entering the University fall 2002 and later (native or transfer) must take three credits of writing emphasis at the 300–400 level. WRT 120, WRT 200, WRT 204, WRT 205, WRT 206, WRT 208, or WRT 220 do not count as writing emphasis courses. Each writing emphasis course may simultaneously fulfill another degree requirement.

Note: Writing emphasis courses may not be transferred to WCU.
Course List

ACC

ACC 410. Directed Studies in Accounting. 1-3 Credits.
Special research projects, reports, and readings in accounting.
Pre / Co requisites: ACC 410 requires prerequisite: ACC 201 and ACC 202 and minimum cum GPA of 2.50.
Consent: Permission of the Department required to add.
Gen Ed Attribute: Writing Emphasis.
Distance education offering may be available.
Repeatable for Credit.

ANT

ANT 312. Medical Anthropology. 3 Credits.
Overview of field, including theory, methods and concepts. Evolutionary and ecological bases of disease and health; how culture affects the definition and treatment of illness.
Pre / Co requisites: ANT 312 requires prerequisite of ANT 102.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall.

ANT 364. Archaeology of Ancient North America. 3 Credits.
A survey of North American prehistory from the earliest inhabitants to the time of European colonization. Covers all culture areas but with an emphasis on the Eastern woodlands.
Pre / Co requisites: ANT 364 requires prerequisite of ANT 103.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall.

ARH

ARH 210. Non-Western Art. 3 Credits.
Introduction to art produced outside the European tradition. Cultures include Africa, India, Asia, the Pacific Islands, and the Americas.
Typically offered in Fall & Spring.

ARH 211. Art of Egypt. 3 Credits.
The art and architecture of Ancient Egypt, Mesopotamia, Assyria, and Babylonia from 3000-500 B.C.
Typically offered in Fall & Spring.

ARH 383. Art of the Middle Ages. 3 Credits.
The art and architecture of the European medieval world and their development from Early Christian and Romanesque art into the full flowering of the Gothic period.
Typically offered in Fall & Spring.

ARH 386. Modern Art Seminar. 3 Credits.
Analysis of major styles of 20th-century art to mid-century, including Picasso.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Spring.

ARH 389. Art of Spain. 3 Credits.
Introduction to the art and architecture of Spain and her colonies from the caves of Altamira to the contemporary period. Focus on specific artists including Velazquez, Goya, Miro, Gaudi, Picasso, and Dali.
Typically offered in Fall & Spring.

BIO

BIO 220. Cell Physiology. 3 Credits.
LEC (2), LAB (3)
An introduction to cellular and molecular biology with emphasis on cell morphology, biochemistry, and cell physiology.
Pre / Co requisites: BIO 220 requires prerequisites of BIO 110 and CHE 231.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

BIO 440. Human Genetics. 3 Credits.
A detailed survey of the principles of human heredity. Also examines impact of genetics on current issues in human medicine, pharmacology, evolution and sociology.
Pre / Co requisites: BIO 440 requires a prerequisite of BIO 230.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Spring.

CHE

CHE 271. Forensic Chemistry I. 3 Credits.
This course is a precursor to CHE 371 and its purpose is to introduce students to forensic science and its various disciplines. Students will also discuss professional practices and ethical expectations of a forensic scientist. The course content is designed for chemistry and physical chemistry majors with special emphasis on developing foundational scientific writing skills needed for upper level courses.
Pre / Co requisites: CHE 271 requires prerequisites of CHE 104 and BIO 110.
Consent: Permission of the Department required to add.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Spring.

CLS

CLS 165. Introduction to World Literature. 3 Credits.
This course is designed to introduce students to literature representative of both Western and non-Western cultures and can be taken as an alternative to LIT 165. Not open to English majors.
Distance education offering may be available.

CLS 201. Classical Greco Roman Myth in 20th Century Arts. 3 Credits.
The study of Greeks and Roman mythology and its' influence on 20th and 21st century Western culture.

CLS 260. World Literature I. 3 Credits.
A survey of world literary texts from pre-classical times to 1600.

CLS 261. World Literature II. 3 Credits.
A survey of world literary texts from 1600 to the present.
Gen Ed Attribute: Humanities Distributive Requirement, Writing Emphasis.

CLS 270. Life, Death, and Disease. 3 Credits.
A course treating the study of literary works, film, and selected readings from other areas (history, science, fiction, and nonfiction) to generate an understanding of the relationship of human values to medicine, illness, and issues of related importance to physicians.

CLS 361. Modern World Drama. 3 Credits.
This course seeks to develop and to extend an understanding of the basic elements of drama. The student will be exposed to a range of theatrical practices and diverse traditions of world drama.
Gen Ed Attribute: Writing Emphasis.

CLS 362. World Lit - Modern Fiction. 3 Credits.
This course seeks to develop and to extend an understanding of the basic elements of fiction. The student will be exposed to a range of fictional practices and diverse traditions of world fiction.
Gen Ed Attribute: Writing Emphasis.

CLS 367. Classical Greco Roman Mythology. 3 Credits.
A survey of Greek and Roman mythology from Homer to Ovid.

CLS 368. Greco Roman, Culture, Myth & Society. 3 Credits.
The study of the Trojan War myth cycle in Greek and Roman mythology through literature, history, and art from Homer through the Latin Middle Ages and the way this myth reflects the culture and society of the texts in question.
WRITING EMPHASIS REQUIREMENT

CLS 369. Literature and Film. 3 Credits.
The interrelationship between selected works of world fiction and their film adaptations.
Gen Ed Attribute: Writing Emphasis.

CLS 371. Law and Disorder in Literature. 3 Credits.
A look at the presnetational aspects of law, legal writing and oral argument, its constructions in narrative-law as literature and literature as law, and the relationship of law to anthropology, psychology, history, and sociology.

COM

COM 404. Rhetorical Theory and Criticism. 3 Credits.
Offers an overview of rhetorical theory from classical to contemporary times. Theory is needed to analyze and assess a variety of texts such as advertisement and special.
Pre / Co requisites: COM 404 requires prerequisites of COM 219, COM 224, and SPK 208.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

COM 405. Argumentation & Debate. 3 Credits.
Functions and principles of argumentation and debate, including analysis, evidence, reasoning, and refutation. Class debates on vital issues.
Pre / Co requisites: COM 405 requires prerequisites of SPK 208 and COM 219 and COM 224.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Spring.

COM 415. Language, Thought & Behavior. 3 Credits.
This course is designed to help students understand the way language functions in the communication process. To accomplish this purpose, various language systems will be examined and one will be selected for in-depth analysis.
Pre / Co requisites: COM 415 requires prerequisites of SPK 208 and COM 219 and COM 224.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Summer.

COM 440. Friendship Communication. 3 Credits.
This course explores communication in friendship relationships. Topics covered include a dialectical perspective of creating and maintaining meaning between friends in childhood, adolescence, and adulthood, as well as how friendship communication is affected by gender, culture, school, work, romance, and family.
Pre / Co requisites: COM 440 requires prerequisites of COM 204, COM 219, COM 224 and SPK 208.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall.

COM 445. Family Communication. 3 Credits.
This course explores communication in family relationships. Topics covered include interpersonal interaction between family members, societal influences on the family as a whole, and the place of family narratives in these communicative behaviors.
Pre / Co requisites: COM 445 requires prerequisites of COM 204, COM 219, COM 224, and SPK 208.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Spring.

CRJ

CRJ 306. Writing for the Criminal Justice Professional. 3 Credits.
This course examines a variety of forms of writing in criminal justice education and the criminal justice profession. Students will receive instruction, guidance and practical experience in composing various types of written reports that might be required in the numerous occupations that fall within the discipline of criminal justice. Starting with a review of English grammar, students will learn to compose professional emails, cover letters, and resumes. They will progress to police reports, pre-sentence reports, forensic or scientific reporting and finally, research-based reports. Students will also receive instruction on essay and research report writing and the use of APA formatting. Emphasis will be on improving writing skills throughout the semester through extensive feedback from the instructor and opportunities to revise and resubmit written work.
Pre / Co requisites: CRJ 306 requires prerequisites of CRJ 110, CRJ 210, and any 200-level WRT course, all with grades of C or better.
Gen Ed Attribute: Writing Emphasis.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

CRJ 360. Race, Ethnicity and Criminal Justice. 3 Credits.
This course will explore the relationship between race and criminal justice, including the historical background of the role race has played in the system. The impact of race and ethnicity on discretion, sentencing, and disposition will be examined at the adult and juvenile levels. In addition, the causes and remedies of minority overrepresentation in the adult and juvenile criminal justice system will be explored.
Gen Ed Attribute: Diversity Requirement, Writing Emphasis.
Typically offered in Fall, Spring & Summer.

CRJ 366. Forensic Mental Health. 3 Credits.
An interdisciplinary exploration of the intersection of the mental health and criminal justice systems in the United States. The primary theme is the deinstitutionalization movement which has resulted in the shifting of persons with mental illness from hospitals into correctional facilities. Important topics include school-to-prison pipeline (STPP), civil and outpatient commitment, police as first responders, training for law enforcement responding to crisis situations, and other efforts to decrease criminalization and stigmatization, such as Crisis Intervention Teams, Mental Health Courts, Assertive Community Treatment, and reentry strategies. Students are expected to engage in innovative policy solutions through a multi-disciplinary lens, which may include strategies based on developments in the fields of criminal justice, medicine and forensic psychiatry, counseling and psychology, social work, education, and public administration.
Typically offered in Fall & Spring.

CRJ 434. Experiencing Peru: Examining the Criminal, Social, and Economic Impact of Voices4Peru. 3 Credits.
This course, which includes a 13-day study abroad experience, will provide students with an in-depth comparison of social issues related to crime, education, gender, poverty, and race that prevail in the United States and in South America. This course was designed on the belief that cross cultural comparisons of governmental initiatives and grassroots movements significantly shape the expectations and quality of life for the majority of a nation’s citizens. Course readings will examine criminological theories about race, class, and crime, while the social learning theories and current evidence-based practices will describe how social and cultural factors impact decision-making and problem solving skills.
Consent: Permission of the Department required to add.
Typically offered in Summer.

CRW

CRW 201. Introduction to Creative Writing. 3 Credits.
Introduction to the craft of writing poetry and fiction. Basic discussion of terms, strategies, and professional models in each genre. Practice in writing and critiquing each genre.
Gen Ed Attribute: Writing Emphasis.

CRW 202. Creative Writing I. 3 Credits.
Writing experience in the crafts of fiction, poetry, nonfiction, and drama.
Gen Ed Attribute: Writing Emphasis.

CRW 203. Creative Writing II. 3 Credits.
Writing experience in the crafts of fiction, poetry, nonfiction, and drama.
Gen Ed Attribute: Writing Emphasis.

CRW 301. Poetry Workshop I. 3 Credits.
The theory and practice of poetry and the exploration of verse forms. Practice in critical and interpretative analysis of poems written by fellow students and professional poets.
Gen Ed Attribute: Writing Emphasis.

CRW 302. Poetry Workshop II. 3 Credits.
The theory and practice of poetry and the exploration of verse forms. Practice in critical and interpretative analysis of poems written by fellow students and professional poets.
Pre / Co requisites: CRW 302 requires a prerequisite of CRW 201, CRW 202, CRW 203, CRW 301, CRW 303, CRW 304, CRW 305, or CRW 306.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall.

CRW 303. Short Story Workshop I. 3 Credits.
Crafting the modern short story with reference to American and British models. The significance of setting, atmosphere, characterization, and theme. Discussion and some exploration of experimental ideas in the genre.
Gen Ed Attribute: Writing Emphasis.
CRW 304. Short Story Workshop II. 3 Credits.
Crafting the modern short story with reference to American and British models. The significance of setting, atmosphere, characterization, and theme. Discussion and some exploration of experimental ideas in the genre.
Pre / Co requisites: CRW 304 requires a prerequisite of CRW 201, CRW 202, CRW 203, CRW 301, CRW 302, CRW 303, CRW 305, or CRW 306.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall.
Repeatable for Credit.

CRW 305. Creative Nonfiction Workshop I. 3 Credits.
An exploration of the creative nonfiction genre, with a focus not only on writing and craft but also on analyzing the larger questions and contexts surrounding the genre (i.e. truth, authenticity, history and definitions of the genre, ethics of representation).
Gen Ed Attribute: Writing Emphasis.
Repeatable for Credit.

CRW 306. Creative Nonfiction Workshop II. 3 Credits.
A continued exploration of the history, theory and craft of the creative nonfiction genre, but with a focus on analyzing and writing various essay styles. Students will be encouraged to concentrate on one specific form (i.e. radio essay, flash nonfiction, hybrid or graphic forms, the lyric or braided essay, environmental writing, travel writing, memoir)
Pre / Co requisites: CRW 306 requires a prerequisite of CRW 201, CRW 202, CRW 203, CRW 301, CRW 303 or CRW 305.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Spring.

CSC

CSC 490. Independent Project in Computer Science. 3 Credits.
The student designs and implements a software system. Project problems are drawn from local industry and university departments. A computer science faculty member supervises each project.
Consent: Permission of the Department required to add.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall, Spring & Summer.
Repeatable for Credit.

CSC 499. Independent Study in Computer Science. 3 Credits.
In conjunction with the instructor, the student selects study topics via literature search.
Consent: Permission of the Department required to add.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall, Spring & Summer.
Repeatable for Credit.

CSD

CSD 204. Speech and Language Development. 3 Credits.
Examination of normal communication development: biological, cognitive, social, and ecological bases of language. Developmental milestones from prelinguistic communication to oral language and literacy. Normal variations in development associated with cultural diversity and bilingualism.
Pre / Co requisites: CSD 204 requires prerequisites of CSD 101 with a grade of “C” or better and ENG 230 or LIN 230.
Gen Ed Attribute: Writing Emphasis.
Distance education offering may be available.

CSD 333. Language Disorders. 3 Credits.
Clinical management issues associated with developmental and acquired language disorders in children and adults. Linguistic patterns observed in the performance of individuals with various etiological conditions (e.g., mental retardation, autism, hearing loss, neurological impairment, craniofacial anomalies, learning disability). Factors indicating risk for and maintenance of language disorders. Protocols for evaluation and treatment indicated by developmental theories, processing models, and sensitivity to normal variations among culturally diverse populations.
Pre / Co requisites: CSD 333 requires prerequisite of CSD 204.
Consent: Permission of the Department required to add.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

CSD 350. Clinical Principles in Communicative Disorders. 3 Credits.
A study of evaluative and therapeutic materials and methods applicable to the professional setting.
Pre / Co requisites: CSD 350 requires prerequisites of CSD 329 and CSD 333.
Gen Ed Attribute: Writing Emphasis.

DAN

DAN 344. History of Dance. 3 Credits.
The purpose of this course is to provide the student with a thorough background of dance as a fundamental form of human expression. Topics shall include the historical roots and recent status of theatrical dance forms, dance education, and related trends. Evaluation of dance as an art form in relation to man and his society. Physiological, sociological, and psychological implications; dance forms and types. Film and other materials focus on parallel developments in related arts.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall.

DHM

DHM 280. Introduction to Digital Humanities. 3 Credits.
This course is an introduction to new media, digital humanities, and computational approaches to the humanities, with a survey of theories, methodologies, and current critical practices.
Typically offered in Fall.

ECE

ECE 231. Child Development (2-5 Years). 3 Credits.
Physical, social, emotional, intellectual, and moral development of the child, 2-5 years of age. Parallels are drawn from this phase of child development to students self-development.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

ECE 232. Preschool Learning Environment & Field Experience. 3-6 Credits.
Methods and materials for structuring the classroom environment for the child 2-5 years of age. Readiness skills and concepts in all curricular areas are addressed.
Pre / Co requisites: ECE 232 requires prerequisite of ECE 225 and co-requisite or prerequisite of ECE 231.
Gen Ed Attribute: Writing Emphasis.

ECE 405. Admin & Supervisor of Early Childhood. 3 Credits.
Principles of administration and supervision of programs for young children. Includes parent education and community relations.
Pre / Co requisites: ECE 405 requires prerequisites of ECE 232 and formal admission into teacher education or Early Childhood Minor.
Gen Ed Attribute: Writing Emphasis.

ECE 407. Diversity Perspectives in Early Childhood Education. 3 Credits.
This seminar will address the rewards and challenges of teaching in America’s diverse classrooms.
Pre / Co requisites: ECE 407 requires formal admission into teacher education or Early Childhood Minor.
Gen Ed Attribute: Diversity Requirement, Writing Emphasis.

ECO

ECO 350. Urban Economics. 3 Credits.
Economic aspects of such urban problems as poverty, housing, taxation, income distribution, and discrimination. Analysis of economic aspects of various proposed remedies, including urban renewal, family allowances, cooperatives, and others.
Pre / Co requisites: ECO 350 requires prerequisites of ECO 111 and ECO 112 and minimum 2.50 CUM GPA.
Gen Ed Attribute: Writing Emphasis.
EDA

EDA 307. Families and Special Education. 3 Credits.
This course is designed to help pre-service teachers foster family professional relationships that are meaningful, cooperative, and productive. Roles that parents have played in the education of children and youth with disabilities will be emphasized. This course bases its objectives on the knowledge that involvement of families of individuals with disabilities is essential for the person's education and well-being, and is necessary from a legal perspective. The family is studied so that the perspective teacher can best know how to work with diverse families of children with disabilities, and within family systems.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

EDE

EDE 200. Theory and Field Experiences in Elementary Education. 3 Credits.
Orientation to the curricula, processes, and structures of elementary education today. Field experiences related to course topics.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

EDE 352. Self and Group Processes Diverse Classroom. 3 Credits.
Analysis of self processes influencing teacher-student classroom interactions. Role of needs, defenses, motives, emotions, and early learning experiences as they shape the prospective teacher's responses to elementary children. Application of social learning and interpersonal theory.
Pre / Co requisites: EDE 352 requires prerequisites of EDE 251 and formal admission into teacher education.
Gen Ed Attribute: Diversity Requirement, Writing Emphasis.

EDR

EDR 302. Teaching the Language Arts. 3 Credits.
Study of teaching language skills in the elementary schools: listening, speaking, and writing.
Pre / Co requisites: EDR 302 requires prerequisite of EDE 251.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

EDR 304. Teaching Language Arts Pre-K-4. 3 Credits.
This course examines theories, issues, methods, materials and assessments for a developmental PK-4 language arts program. Integrating reading, writing, speaking, listening, viewing and visually representing as tools for communication, discovery, and learning across the curriculum will be emphasized. Students will develop their writing abilities over the course of the semester.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

EDS

EDS 306. Teaching Principles and Field Experience in Secondary Schools. 3 Credits.
Methods and strategies of teaching in secondary schools will be the core of the course. Implications of classroom management, learning, and other related problems will be discussed. Students will observe in a classroom for nine weeks.
Pre / Co requisites: EDS 306 requires prerequisites of EDF 100 or EDF 300 and formal admission into teacher education.
Consent: Permission of the Department is required to add.
Gen Ed Attribute: Writing Emphasis.

EGE

EGE 405. German Film: Expressionism to the New German Cinema. 3 Credits.
An analysis of German films from Expressionism to the present. We shall examine the films in terms of their political and social context and as works of art. Directors include Fritz Lang, Murnau, Wiene, Fassbinder, Herzog, Schondorff, von Trotta, and Wenders. No knowledge of German required.

EGP

EGP 220. Theory/Field Experiences in the Early Grades. 3 Credits.
Orientation to the curricula, processes and structures of the PreK-4 classroom. Field experiences, minimum 30 hours, related to course topics.
Pre / Co requisites: EGP 220 requires prerequisite of either EGP 209 or EGP 210.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall, Spring & Summer.

EGP 322. Pre-K Methods and Field. 6 Credits.
This course is a 6 credit methods and field course. Students will learn to plan and implement developmentally effective curriculum for children three to five years old. Students will be in field placements for six hours each week.
Pre / Co requisites: EGP 322 requires prerequisite EGP 209 and EGP 220 and field clearances.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall, Spring & Summer.

EGP 402. Engaging Learners: Integrating Academic/Social Development for High Achieving Equitable Classrooms. 3 Credits.
Study of the elementary classroom as a unique social system and intentional learning community. Applications of interpersonal and group development theories plus interactional learning models in light of diverse sociocultural contexts. Development of knowledge and skills essential to plan for and facilitate high levels of achievement, cooperation, social competence, and supportive peer interactions in a dynamic classroom learning system.
Pre / Co requisites: EGP 402 requires prerequisite of Formal Admission to Teacher Education and EDR 317 or EGP 322.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall, Spring & Summer.

ENG

ENG 194. Conventions of Reading and Writing. 3 Credits.
An introduction to the study of reading and writing textual genres: literature, essays, film, autobiography, editorials etc. Students examine how their own reading and writing assumptions and strategies affect their interpretation and production of texts. First of three majors' core courses.
Gen Ed Attribute: Writing Emphasis.

ENG 204. Practical Prose Composition. 3 Credits.
Writing in various modes that authentically mirror real situations in our personal and professional lives.
Gen Ed Attribute: Writing Emphasis.

ENG 206. Black Critical Theory. 3 Credits.
This course explores the political, social, cultural, and historical factors that influenced the development of twentieth century Black Critical Theory. Students will develop an awareness of critical, theoretical, and rhetorical approaches to textual analysis that are central to the field of English Studies as they learn about crucial moments in African American and Diasporic history and culture such as The Harlem Renaissance, The Realist/Protest Movement, The Civil Rights Era/Black Arts Movement, and The Feminist/Womanist Movement.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

ENG 215. Views on Literacy. 3 Credits.
The historical and social contexts of English literacy. Emphasis on writing.

ENG 240. Language, Gender, and Sexuality. 3 Credits.
This course introduces students to the study of language as a resource for the production of gender and sexuality. Discussion of popular beliefs and scholarly theories about language and communication.
Gen Ed Attribute: Diversity Requirement, Writing Emphasis.
Typically offered in Spring.
ENG 270. Book History: Introduction. 3 Credits.
This course studies the history of the creation, production, distribution, circulation, and reception of the written word. As it traces how authorship, reading, publishing, and the physical properties of texts have altered over time, the course examines, both historically and analytically, the intellectual, social and cultural impact of changing communications technologies against the backdrop of our current digital age.
Gen Ed Attribute: Writing Emphasis.

ENG 295. Histories and Texts. 3 Credits.
This course focuses on history and its influences on the reception and production of texts. Students will be asked to engage critical historical and literary materials in order to develop insight into how cultural historical circumstances enable the production of texts and influence how readers respond to them. Second of three majors' core courses.
Gen Ed Attribute: Writing Emphasis.

ENG 296. Theory, Meaning, Value. 3 Credits.
Focusing on the 20th and 21st Centuries, the course will present several key theoretical perspectives. By exploring these theories, students will consider the ways in which the value of a text emerges from not only the text itself, but also from the historically variable forces of cultural and institutional value systems. They will also explore the role of language in shaping these value systems. Third of three majors' core courses.
Gen Ed Attribute: Writing Emphasis.

ENG 304. Essay Workshop. 3 Credits.
Experience in reading and writing essays, with focus on revision, on the use of the public ‘I’, and on appropriate voice. Attention to invention.
Gen Ed Attribute: Writing Emphasis.

ENG 305. Environmental/Experiential Writing: Taking Action. 3 Credits.
This service-learning writing course will ask students to do environmental service in our area, evaluate others’ environmental actions, and reflect upon these experiences in writing. We will consider writing itself as an important action for self-awareness and social change.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall, Spring & Summer.

ENG 320. Writing and Computers. 3 Credits.
Introduction to document design and production, desktop publishing, and issues of technological impact on written communication.
Gen Ed Attribute: Writing Emphasis.

ENG 345. Women Writing: Autobiography. 3 Credits.
A writing seminar directed toward the reading of women’s autobiographies and the writing of personal autobiographical narratives.
Gen Ed Attribute: Writing Emphasis.

ENG 368. Business and Organizational Writing. 3 Credits.
The nature of communication within business and organizations. Theoretical basis and practical application.
Gen Ed Attribute: Writing Emphasis.

ENG 371. Technical Writing. 3 Credits.
Instruction in the forms and techniques of written, oral, and visual communication currently practiced in the scientific and technical professions. A series of coordinated assignments leads to a final project in the student’s field of professional study.
Gen Ed Attribute: Writing Emphasis.

ENG 375. Strategies for Writing in the Workplace. 3 Credits.
Strategy and politics of client-centered and competitive writing that achieves objectives for the professions and organizations.
Gen Ed Attribute: Writing Emphasis.

ENG 397. Writing Tutoring. 3 Credits.
Theory and practice of writing tutoring, especially for those who plan a career in teaching or who are focusing on the remediation or development of language and writing skills.
Gen Ed Attribute: Writing Emphasis.

ENG 400. Research Seminar. 3 Credits.
This course is a variable-topic research seminar. Students will do advanced work in many topics in English studies, including literature, rhetoric, film, cultural studies, composition, aesthetics, theory, individual authors. This course may be repeated for credit.
Pre / Co requisites: ENG 400 requires prerequisites of ENG 295 and ENG 194, and ENG 206 or ENG 296, and WRT 100 or WRT 120, and WRT 200 or WRT 204 or WRT 205 or WRT 206 or WRT 208 or WRT 220.
Gen Ed Attribute: Writing Emphasis.
Repeatable for Credit.

ENV

ENV 455. Environmental Health Seminar. 3 Credits.
In-depth investigation and discussions on topics of particular concern or significance to the environmental health field. Topics will be varied from year to year.
Pre / Co requisites: ENV 455 requires prerequisite: Senior Environmental Health majors only.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall.

ERU

ERU 309. Russian Culture. 3 Credits.
(In English) A course designed to acquaint students with Russian culture and life in Russia today. No knowledge of Russian required.
Typically offered in Fall & Spring.

ESP

ESP 300. Latin-American Culture and Civilization (In English). 3 Credits.
Cultural, geographic, literary, philosophical, and artistic manifestations of the Hispanic-American world. No knowledge of Spanish is required.
Typically offered in Fall & Spring.

ESS

ESS 201. Field Geology. 3 Credits.
An introduction to the basic methods of geologic data collection in the field; analysis, and presentation; literature research; and report writing. One weekend field trip is required.
Pre / Co requisites: ESS 201 requires a prerequisite of ESS 101.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

ESS 204. Historical Geology. 3 Credits.
LEC (2), LAB (2)
An examination of how Earth has evolved over geologic time, from its origin as a tiny lifeless planetesimal to its present state as a dynamic planetary system teeming with life. Rocks, fossils, and other evidence of Earth’s past are analyzed and evaluated with knowledge of modern physical and biological processes to infer Earth’s history, understand its present state, and predict its future. Laboratory included. Recommended for students who have completed ESS 101 or another introductory (100-level) science course.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

ESS 331. Introduction to Paleontology. 3 Credits.
LEC (2), LAB (2)
Identification and study of common fossils in order to understand their life processes and geologic significance.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Spring.

FIN

FIN 375. Contemporary Financial Issues. 3 Credits.
Students will be required to read, research, and write papers on current issues and developments in finance.
Pre / Co requisites: FIN 375 requires prerequisites of FIN 326 and FIN 344 and FIN 337 and Minimum 2.50 CUM GPA.
Gen Ed Attribute: Writing Emphasis.
FLM
FLM 200. Introduction to Film. 3 Credits.
A survey of the principal elements of film including photography, editing, sound, acting, and narrative.

FLM 201. American Film. 3 Credits.
The function of cinema in contemporary society as a socio-cultural, economic and political object, as seen through critical analysis of American films.
Gen Ed Attribute: Writing Emphasis.

FLM 202. American Themes. 3 Credits.
An introduction to contemporary critical and theoretical principles for interpreting American films which concentrates on a single theme.
Gen Ed Attribute: Writing Emphasis.

FRE
FRE 305. Advanced Grammar and Stylistics. 3 Credits.
Study of the more complex grammatical and syntactical structures of the language, with particular attention to stylistics. Practice in writing compositions on an advanced level with emphasis on correct usage.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Spring.

GEO
GEO 310. Population Geography. 3 Credits.
An introduction to theories, concepts, processes and geographical patterns of human population.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Spring.

GEO 400. Senior Seminar In Geography. 3 Credits.
The study of historical and contemporary trends in geography; the design, preparation, and defense of a research proposal.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall.

GER
GER 405. A Survey of German Film. 3 Credits.
An analysis of German films from Expressionism to the present. We shall examine the films in terms of their political and social context and as works of art. Directors include Fritz Lang, Murnau, Wiene, Fassbinder, Herzog, Schlondorff, von Trotta, and Wenders. Taught in conjunction with EGE 405.
Pre/Co requisites: GER405 requires prerequisite of any 300 level German course.
Distance education offering may be available.

HEA
HEA 306. Curriculum and Instruction. 3 Credits.
This course provides the knowledge and skills for the development, implementation, and evaluation of K-12 comprehensive school health curriculums.
Pre/Co requisites: HEA 306 requires a prerequisite of HEA 101.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

HEA 310. Love and Marriage. 3 Credits.
Defines love and marriage for the student and teaches the skills essential to fulfilling those needs.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

HEA 315. Mind, Body, and Health. 3 Credits.
Theories and practice of health and healing through the mind/body connection. Emphasis on learning/practicing techniques for health promotion.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

HEA 342. Program Planning and Evaluation. 3 Credits.
Provides an in-depth study of the program planning process and evaluation methods. Needed skills are developed and experience given in writing programs from assessment through evaluation with both hypothetical and real populations.
Pre/Co requisites: HEA 342 requires prerequisites of HEA 240, HEA 242, HEA 341 and formal admission into teacher education.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Spring.

HEA 420. Health Marketing and Communications. 3 Credits.
The purpose of this course is to prepare students for work experiences as a health educator. Major emphasis will be placed on marketing and health communication strategies.
Pre/Co requisites: HEA 420 requires prerequisites of HEA 342 and HEA 306.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall.

HEA 434. Health Law, Economics, Ethics, and Policy. 3 Credits.
This course explores major topics in the study of public health care policy, law, ethics, and economics in the United States. We will discuss the role of health care policy and law in public health. We will define and apply ethical principles in health care policy and law. We will describe economic and financial considerations in public health policy. We will examine the aforementioned themes using a multidisciplinary approach that employs sociological, political, economic and ethical perspectives on health and disease and the health care system.
Pre/Co requisites: HEA 434 requires prerequisites of HEA 242 and HEA 436.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

HEA 440. School Health Programs. 3 Credits.
This course provides an overview of comprehensive school health programs. Specific focus is on program development, implementation, and evaluation.
Pre/Co requisites: HEA 440 requires a prerequisite of HEA 101 for Health and Physical Education majors only.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall.

HEA 472. Mechanical Ventilation. 3 Credits.
A comprehensive study of mechanical ventilation, including the physiology of positive pressure breathing, techniques of ventilation, characteristics of commonly used ventilators, and monitoring of the ventilator-patient system.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall.

HEA 478. Respiratory Therapy Seminar I. 3 Credits.
Provides an in-depth study of the program planning process and evaluation methods. Needed skills are developed and experience given in writing programs from assessment through evaluation with both hypothetical and real populations.
Pre/Co requisites: HEA 342 requires prerequisites of HEA 240, HEA 242, HEA 341 and formal admission into teacher education.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Spring.

HEA 420. Health Marketing and Communications. 3 Credits.
The purpose of this course is to prepare students for work experiences as a health educator. Major emphasis will be placed on marketing and health communication strategies.
Pre/Co requisites: HEA 420 requires prerequisites of HEA 342 and HEA 306.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall.

HIS
HIS 300. Varieties of History. 3 Credits.
Historical research techniques. Methodology, historiography, and varieties of history.
Pre/Co requisites: HIS 300 requires prerequisite of 6 credits of 100-level History courses.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

HIS 366. The Turbulent Sixties. 3 Credits.
Examination of the stress and conflict in American politics, arts, literature, and society of the 1960's.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Spring.

HIS 400. Seminar in History. 3 Credits.
In-depth research, study, and discussion of a selected historical topic. Topics will vary. Recommended for seniors.
Pre/Co requisites: HIS 400 requires prerequisite of HIS 300.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring. Repeatable for Credit.
HIS 451. Women In History. 3 Credits.
American women's daily routines, social roles, and search for rights and identity since Colonial
days. Recent goals, values, and conflicts.
Gen Ed Attribute: Diversity Requirement, Writing Emphasis.
Typically offered in Fall.

HON

HON 351. Honors Seminar. 3 Credits.
First of two special topics offered fall semester. Subject matter rotates and is determined by
the Honors director and the Honors Council through competitive submission from University faculty.
Typically offered in Spring.
Repeatable for Credit.

HON 352. Honors Seminar. 3 Credits.
First of two special topics offered spring semester. Subject matter rotates and is determined by
the Honors director and the Honors Council through competitive submission from University faculty.
Typically offered in Fall.
Repeatable for Credit.

HON 381. Symposium in the Arts and Humanities. 3 Credits.
Investigation of leadership issues as they are found within special topics in the arts and humanities.
Repeatable for Credit.

HON 382. Symposium in Social and Behavioral Science. 3 Credits.
Investigation of leadership issues as they are found within special topics in the social and
behavioral sciences.
Repeatable for Credit.

HON 383. Symposium in the Sciences. 3 Credits.
Investigation of leadership issues as they are found within special topics in the sciences.
Gen Ed Attribute: Writing Emphasis.
Repeatable for Credit.

HON 451. Honors Seminar. 3 Credits.
Second of two special topics offered fall semester. Subject matter rotates and is determined by
the Honors director and the Honors Council through competitive submission from University faculty.
Typically offered in Spring.
Repeatable for Credit.

HON 452. Honors Seminar. 3 Credits.
Second of two special topics offered spring semester. Subject matter rotates and is determined by
the Honors director and the Honors Council through competitive submission from University faculty.
Typically offered in Fall.
Repeatable for Credit.

HON 490. Senior Project. 3-6 Credits.
Students will identify and investigate a problem in a community business, nonprofit agency,
or research laboratory, and then work to solve the problem. Students will be expected to play
an active role in the problem-solving effort and contribute a minimum of ten hours each week
to help solve the problem. Students will seek interaction with the CEO, senior officer(s), and/or
senior investigators of the business, agency, or laboratory, who will serve as leader models for
student study. While projects are generally completed in the senior year, students may register
for this course upon completion of the 27-hour core or by special permission of the Honors
College director.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.
Repeatable for Credit.

JRN

JRN 225. Newswriting. 3 Credits.
A course designed to develop proficiency in the writing of news stories for daily and weekly
newspapers. News values, the structure and style of news, and the preparation of copy in
accordance with professional standards will be stressed.
Gen Ed Attribute: Writing Emphasis.

JRN 315. Magazine Article Writing. 3 Credits.
Practical instruction in the skills required for successful freelance magazine writing with
emphasis on research, interviewing, writing techniques, and marketing. Students will write
and submit for publication short features and a full-length magazine article.
Pre / Co requisites: JRN 315 requires prerequisite of JRN 225.
Gen Ed Attribute: Writing Emphasis.

LIT

LIT 165. Topics in Literature. 3 Credits.
A course designed to develop awareness of literature as being central to all the arts, to increase
levels of literacy and critical faculties, and to broaden understanding of the human condition.
Gen Ed Attribute: Humanities Distributive Requirement, Writing Emphasis.

LIT 202. African American Literature I. 3 Credits.
A survey of African American writing from the Middle Passage through the first decade of
the 20th century. Authors include Wheatley, Equiano, Douglass, Jacobs, Wells-Barnett,
Du Bois, Washington, Chesnutt, Weldon Johnson, and others, with an emphasis on the
historical contexts of slavery and Jim Crow and on the oral/vernacular roots of the black literary
tradition.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall.

LIT 203. African American Literature II. 3 Credits.
Continuation of LIT 202. A survey of African American writing from the Harlem Renaissance
to the present. Authors include Hughes, Hurston, Wright, Ellison, Baraka, Brooks; Sanchez,
Morrison, Butler, and others, with an emphasis on the historical forces and social and cultural
movements that have shaped black writing in the 20th and 21st centuries.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Spring.

LIT 204. New Black Women Writers in America. 3 Credits.
Survey of black women writers of America. Examines themes and influences on American and
African-American literary contexts.
Gen Ed Attribute: Diversity Requirement, Writing Emphasis.

LIT 213. Asian American Literature. 3 Credits.
Survey of representative Asian American authors from their earliest works at the turn of the
nineteenth century to contemporary works; examined in the context of the changing cultural,
economic, and political experiences of Americans of Asian descent.
Gen Ed Attribute: Diversity Requirement, Writing Emphasis.

LIT 230. English Literature I. 3 Credits.
A survey of English literature from Anglo-Saxon writing through the late 18th century.
Gen Ed Attribute: Diversity Requirement, Writing Emphasis.

LIT 231. English Literature II. 3 Credits.
A survey of English literature of the 19th and 20th centuries.
Gen Ed Attribute: Writing Emphasis.

LIT 272. New Fiction. 3 Credits.
Fiction published in the last 10 years.
Gen Ed Attribute: Writing Emphasis.

LIT 274. Feminist Poetry. 3 Credits.
A study of poetry espousing the feminist cause and exploring the feminist response.
Techniques and attitudes of such poets as Plath, Sexton, Rich, Morgan, Wakoski, and Kumin.
Gen Ed Attribute: Writing Emphasis.

LIT 302. Development of the American Novel. 3 Credits.
Beginnings of the American novel to Frank Norris.
Gen Ed Attribute: Writing Emphasis.

LIT 303. Intro to Multi-Ethnic American Literature. 3 Credits.
American ethnic, racial, and national groups in American literature and the contributions of
creative literary artists representing these cultures.
Gen Ed Attribute: Diversity Requirement, Writing Emphasis.
**LIT 306. Modern American Novel. 3 Credits.**
The novel in America from Dreiser to the present.
Gen Ed Attribute: Writing Emphasis.

**LIT 335. Shakespeare I. 3 Credits.**
Reading, analysis, and discussion of selected histories and tragedies. Discussion of critical approaches to the plays and of the historical and intellectual climate of the times.
Gen Ed Attribute: Writing Emphasis.

**LIT 336. Shakespeare II. 3 Credits.**
Reading, analysis, and discussion of selected comedies and nondramatic poems. Discussion of critical approaches to the works and of the historical and intellectual climate of the times.
Either LIT 335 or 336 may be taken first.
Gen Ed Attribute: Writing Emphasis.

**LIT 337. Literature of the Enlightenment. 3 Credits.**
A critical consideration of the 18th-century writers, exclusive of the dramatists.
Gen Ed Attribute: Writing Emphasis.

**LIT 338. Restoration and 18th Century Drama. 3 Credits.**
The drama from the reopening of the theaters in 1660 to 1800.
Gen Ed Attribute: Writing Emphasis.

**LIT 339. 18th Century British Novel. 3 Credits.**
The British novel from Defoe to Austen.
Gen Ed Attribute: Writing Emphasis.

**LIT 340. The Romantic Movement. 3 Credits.**
Wordsworth, Coleridge, Byron, Shelley, Keats, and their contemporaries in the light of social background and critical doctrine.
Gen Ed Attribute: Writing Emphasis.

**LIT 342. Victorian Literature. 3 Credits.**
Victorian thought and culture in poetry and nonfiction prose.
Gen Ed Attribute: Writing Emphasis.

**LIT 370. Urbanism and the Modern Imagination. 3 Credits.**
Covers a variety of responses of contemporary writers, artists, and planners to the rise of the modern city.

**MAT 301. The Scientific Revolution. 3 Credits.**
This course addresses how modern science began in the 17th century by examining its origins and including introductions to the heroes of science - Copernicus, Kepler, Galileo, and Newton.
Typically offered in Fall & Spring.

**MAT 350. Techniques of Teaching Middle School Mathematics. 3 Credits.**
This course focuses on effective, research-based techniques for teaching children mathematical concepts in middle school. Topics include building pedagogical content knowledge for lesson planning, questioning, formative assessment, and effective integration of technology. Additionally, building mathematical knowledge for teaching of specific topics is addressed in the areas of number sense, ratio, algebra, geometry, probability, and statistics.
Pre / Co requisites: MAT 350 requires prerequisites of MAT 261, EDA 304, Field Clearances, and Formal Admission to Teacher Education. MAT 350 requires a co-requisite of MAT 360.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall.

**MAT 354. Techniques of Teaching Secondary School Mathematics. 3 Credits.**
This course focuses on effective, research-based techniques for teaching children mathematical concepts in secondary school. Topics include building pedagogical content knowledge for writing learning progressions, orchestrating discussion, formative assessment, developing high quality tasks, and effective integration of technology. Additionally, building mathematical knowledge or teaching for specific topics is addressed in the areas of geometry, algebra, discrete math, probability, statistics, trigonometry, and calculus.
Pre / Co requisites: MAT 354 requires prerequisites of MAT 350, field clearances, and Formal Admission to Teacher Education. MAT 354 requires a corequisite of MAT 364.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Spring.

**MAT 401. History of Mathematics. 3 Credits.**
Development of mathematics from the Babylonian era to the 18th Century. Some modern topics included.
Pre / Co requisites: MAT 401 requires prerequisite of C or better in MAT 261.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

**MGP 220. Field Experience: Middle Level Environment. 3 Credits.**
Orientation for the curricula, processes, and structures of 4-8 classrooms. Field experiences, minimum 30 hours, related to course topics.
Pre / Co requisites: MGP 220 requires prerequisites of EDP 200 and EDP 201; field clearances.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall, Spring & Summer.

**MGP 335. Teaching Social Studies in Middle Grades. 3 Credits.**
This course is a study of social studies teaching and student learning in grades 4-8, focusing on related curricula, instruction and assessment in these grades. National, state and local standards are utilized as frameworks to explore the context, purpose, content, and interdisciplinary nature of the social studies. Field clearances required.
Pre / Co requisites: MGP 335 requires prerequisite MGP 220, Formal Admission to Teacher Education and field clearances.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

**MGT 313. Business and Society. 3 Credits.**
An analysis of the social, political, legal, environmental, and ethical problems faced by business firms.
Pre / Co requisites: MGT 313 requires prerequisite of MGT 200 (Majors only) and minimum 2.50 CUM GPA.
Gen Ed Attribute: Writing Emphasis.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

**MGT 498. Seminar in Management. 3 Credits.**
Students are engaged in reading and research on current developments in management. Research project is required to help expand and deepen the horizons of the participants.
Pre / Co requisites: MGT 498 requires a minimum 2.50 CUM GPA and a minimum of 90 credits completed.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall, Spring & Summer.

**MGT 499. Business Policy and Strategy. 3 Credits.**
This School of Business capstone course requires all business majors to integrate and apply multidisciplinary knowledge and skills in actively formulating improved business strategies and plans. Case method predominates, and written reports are required.
Pre / Co requisites: MGT 499 requires prerequisites of BLA 201, FIN 325, MGT 200, and MKT 250 and a minimum 2.50 cumulative GPA.
Gen Ed Attribute: Writing Emphasis.
Distance education offering may be available.
Typically offered in Fall & Spring.

**MHL 301. Music and the Related Arts. 3 Credits.**
Examines ways in which music parallels at least two other visual, performing, and/or verbal arts in Western and/or non-Western culture. Concentration on the development of skills of critical perception through practical application to music and other arts.
Pre / Co requisites: MHL 301 requires a prerequisite of MTC 212 and MHL 211 or permission of instructor.
Typically offered in Fall.

**MHL 454. History of Opera. 3 Credits.**
A basic course in the origin and development of opera and its dissemination throughout the Western world.
Pre / Co requisites: MHL 454 requires prerequisite of MHL 212.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Spring.
MHL 455. History of Orchestral Music. 3 Credits.
A study of representative orchestral works: symphonies, concerti, suites, overtures, and others, from the Baroque Period to the present.
Pre / Co requisites: MHL 455 requires prerequisite of MHL 212.
Gen Ed Attribute: Writing Emphasis.

MHL 459. Topics in American Music. 3 Credits.
Survey of the development of music and musical styles from 1620 to the present. Analysis of styles, forms, aesthetic concepts, and practices.
Gen Ed Attribute: Writing Emphasis.

MTC

MTC 342. Music Analysis. 3 Credits.
An overview of major trends in music analysis applied to a variety of musical styles. Addresses how analysis informs composition, performance, scholarship and pedagogy.
Pre / Co requisites: MTC 342 requires a prerequisite of MTC 212.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall.

MUE

MUE 331. Music Methods and Materials I. 3 Credits.
The study of music and the learning process at the elementary level to include Dalcroze, Kodaly, and Orff.
Pre / Co requisites: MUE 331 requires prerequisites of MUE 201 and VOC 311 or AIC 311 and formal admission into teacher education. Current Act 34, Act 114, ACT 151 clearances and TB test valid for semester.
Gen Ed Attribute: Writing Emphasis.

MUE 332. Music Methods and Materials II. 3 Credits.
The study of music and the learning process at the secondary level to include technology, listening skills, multicultural diversity, general music programs, and administrative skills.
Pre / Co requisites: MUE 332 requires prerequisites of MUE 331 and formal admission into teacher education. Current Act 34, Act 114, Act 151 Clearances and TB test valid for semester.
Gen Ed Attribute: Diversity Requirement, Writing Emphasis.

NSG

NSG 317. Women's Sex and Sexuality. 3 Credits.
Women, Sex and Sexuality is a writing intensive course examining women's experience with sex and sexuality from a biopsychosocial perspective. The approach is inclusive of multiple foci including age, race, ethnicity, sexual orientation, (dis)ability and other aspects of human difference. Special attention is paid to women's sexuality within the context of gender analysis.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

NSL

NSL 212. Health Assessment. 3 Credits.
This course provides the nursing student with skills in physical and psychosocial assessment of adult clients. The course also assists in the development and demonstration of selected skills in vital sign measurement, infection control, basic hygiene and comfort measures and body mechanics.
Pre / Co requisites: NSL 212 requires prerequisites of BIO 100, BIO 259, BIO 269, CHE 107 and CRL 107, and corequisite of NSG 212. Must have composite GPA of 2.75 in these prerequisite courses.
Gen Ed Attribute: Writing Emphasis.

NSL 311. Laboratory. 5 Credits.
Clinical experiences are provided in agencies where relatively well populations have been identified, such as schools, day care centers, senior citizen's programs and childbirth settings.
Pre / Co requisites: NSL 311 requires prerequisites of BIO 204 and BIO 259 and NTD 303 and NSG 212 and PSY 210 or HEA 206 and a corequisite of NSG 311.
Gen Ed Attribute: Writing Emphasis.
Distance education offering may be available.
Typically offered in Fall & Spring.

NSL 312. Laboratory. 5 Credits.
Clinical experience is provided in rehabilitation centers, nursing homes, and acute care settings. These environments provide flexibility for students to implement changes for clients and acquire skills which will be utilized in other nursing courses.
Pre / Co requisites: NSL 312 prerequisites: BIO 100, BIO 204, BIO 259, BIO 269, NSG 212, NTD 303, PSY 100, SOC 200; (CHE 103/CRL 103) and (CHE 104/CRL 104) OR (CHE 107/CRL 107); HEA 206 or PSY 210; one of these: WRT 200, WRT 204, WRT 205, WRT 206, WRT 208, WRT 220.
Gen Ed Attribute: Writing Emphasis.

NTD

NTD 409. Professional Skills in Dietetics. 3 Credits.
A focus on the development of nutrition counseling and communication/media technology skills. An appreciation of multiculturalism will be promoted. A familiarization with dietetics-related professional organizations, graduate school opportunities, and dietetic internships will be provided. Assistance with the dietetic internship and graduate school application process will be given.
Pre / Co requisites: NTD 409 requires prerequisite NTD 309.
Gen Ed Attribute: Writing Emphasis.
Distance education offering may be available.
Typically offered in Fall.

NTD 444. Lifestyle Nutrition Practicum. 3 Credits.
This course is a required course in the “Lifestyle Nutrition” concentration. It is a writing intensive capstone course and should be taken senior year. This course aims to provide students with the oral, written and technical skills necessary for effective client and public education. Specifically, practical experience in the classroom and in the field will help the student focus on improving skills in client interviewing and counseling, writing for the lay public, and in designing and delivering a presentation to an audience.
Pre / Co requisites: NTD 444 requires a prerequisite of NTD 309 and NTD 404.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

PHI

PHI 102. Introduction to Religious Studies. 3 Credits.
The role of religion in human life. Illustrations drawn from various traditions, rituals, and belief patterns, both ancient and modern.
Typically offered in Fall, Spring & Summer.

PHI 310. New Religious Movements. 3 Credits.
An examination of New Religious Movements, alternative spiritualities and “cults.” This course will explore their main beliefs and practices as well as theoretical perspectives for understanding them.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Spring.

PHI 330. Introduction to Meaning. 3 Credits.
Discussion of the analysis of meaning given by various disciplines, including philosophy, psychology, linguistics, communication studies, and the arts.
Typically offered in Spring.
Cross listed courses LIN 330, PHI 330.

PHI 340. Contemporary Moral Issues. 3 Credits.
Philosophical examination of major social debates (e.g. abortion, human cloning, war, and violence) and their relation to race, class, gender, etc.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Spring.

PHY

PHY 310. Intermediate Physics Lab I. 3 Credits.
LEC (1), LAB (2)
A lecture and laboratory course designed to familiarize students with modern physics laboratory equipment and practices through a series of experiments. Students write three research papers and give one research talk describing the experiments and their results in a style consistent with scientific conventions.
Pre / Co requisites: PHY 310 requires a prerequisite of PHY 240.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.
PHY 320. Intermediate Physics Lab II. 3 Credits.
LEC (1), LAB (2)
This course is a continuation of PHY 310, a lecture and laboratory course designed to familiarize students with modern physics laboratory equipment and practices through a series of experiments. Students write three research papers and give one research talk describing the experiments and their results in a style consistent with scientific conventions.
Pre / Co requisites: PHY 320 requires a prerequisite of PHY 310.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

PIA
PIA 423. Baroque Keyboard Literature. 3 Credits.
Gen Ed Attribute: Writing Emphasis.

PIA 424. Classical Piano Literature. 3 Credits.
Origin and development of the sonata and performance practices of homophonic style. Music of Bach's sons, Haydn, Mozart, and Beethoven. Some student performance required.
Gen Ed Attribute: Writing Emphasis.

PIA 425. Romantic Piano Literature. 3 Credits.
Gen Ed Attribute: Writing Emphasis.

PIA 426. 20th Century Piano Literature. 3 Credits.
Seminal works and styles of this century. Albeniz, Rachmaninoff, Debussy, Ravel, Prokofiev, Hindemith, Schoenberg, Bartok, and American composers. Some student performance required.
Gen Ed Attribute: Writing Emphasis.

PIA 427. The Concerto. 3 Credits.

PLN
PLN 301. Planning History, Theory, and Ethics. 3 Credits.
This course examines current planning theories and approaches. The course examines the role of planning within a democratic society, how planning influences society and society values, new directions in the field, and the relationship between planning theory and planning practice, with special focus on planning ethics, professional standards and conduct. Gen Ed Attribute: Writing Emphasis.
Typically offered in Spring.

PSC
PSC 200. Political Analysis. 3 Credits.
Incorporates techniques for analyzing political questions logically and systematically, and introduces basic research design and methodological and library usage skills appropriate to the political science discipline.
Pre / Co requisites: PSC 200 requires prerequisite of PSC 100.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall, Spring & Summer.

PSC 230. Introduction to Political Thought. 3 Credits.
Examination of key ideas that animated the great thinkers of Western thought. Special emphasis will be placed both on specific historical context and possibility of continuing relevance of considered ideas. Class will conclude with in-depth "case study" of contemporary dilemma that forces student to examine to what extent past ideas can aid our understanding of our present political landscape. Gen Ed Attribute: Writing Emphasis.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

PSC 320. U.S. Foreign Policy. 3 Credits.
Principles of U.S. foreign policy; processes of policy formulation; roles and influences of the President, Congress, the State Department (and other government agencies), media, and interest groups. Topics include national security and intelligence analysis, terrorism, Cold War, economics/trade, and international organizations.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall, Spring & Summer.

PSC 343. Culture and Politics of Asia. 3 Credits.
Study of cultural, philosophical, and political systems of modern Asia with special emphasis on China, Japan, and India.
Gen Ed Attribute: Writing Emphasis.

PSY
PSY 246. Research Methods in Psychology. 3 Credits.
Critical examination of research methods in psychology, including experimental and quasi-experimental designs, correlational methods, and survey methods. Students will receive practical experience in the design, implementation, analysis, and interpretation of data, and in preparation of written reports for research projects.
Pre / Co requisites: PSY 246 requires prerequisite of PSY 245.
Gen Ed Attribute: Writing Emphasis.
Distance education offering may be available.
Typically offered in Fall & Spring.

PSY 365. Psychology of Women. 3 Credits.
A study of the behavior and experience of women. Biological, cultural, interpersonal, and intrapersonal determinants of women's actions, thoughts, and feelings will be explored.
Pre / Co requisites: PSY 365 requires prerequisite of PSY 100.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

PSY 376. Social Psychology Laboratory. 3 Credits.
Electronic and/or laboratory exercises in social psychology.
Pre / Co requisites: PSY 276 requires prerequisites of PSY 100 and PSY 254.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

PSY 384. Adult Development. 3 Credits.
Study of psychological development during the mature years up to and including death and dying.
Pre / Co requisites: PSY 384 requires prerequisite of PSY 100.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

PSY 476. Cognitive Laboratory. 3 Credits.
An experiential-learning course in which students learn first-hand how cognitive psychologists measure human thought processes such as perception, attention, language, memory, decision-making and problem-solving.
Pre / Co requisites: PSY 476 requires prerequisites of PSY 245 and PSY 246, and a co-requisite of PSY 475.
Gen Ed Attribute: Writing Emphasis.
Distance education offering may be available.
Typically offered in Fall & Spring.

SCE
SCE 350. Science Education in the Secondary School. 3 Credits.
Philosophy, objectives, and methods of teaching science. This is an Early Field Experience course with observation hours are completed in schools. Students must have current clearances for TB, criminal background, FBI, and child abuse before they can be assigned to schools to perform course assignments/other requirements. For the WCU policies on clearances, select the "Teacher Education Center" on the College of Education Web site.
Pre / Co requisites: SCE 350 requires formal admission into teacher education.
Gen Ed Attribute: Diversity Requirement, Writing Emphasis.
Typically offered in Fall.
SMD
SMD 210. Psychosocial Perspectives of Sports/Recreational Injuries. 3 Credits.
Present active individuals with information on the incidence, prevention, and management of sport/recreational injuries. In addition, the psychological impact and sociological factors effecting health care delivery will be addressed. Taken together students will be better prepared and more informed consumers of sport/recreational health care.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

SMD 414. History, Organization & Administration of Sports Medicine. 3 Credits.
A presentation of the historical and current perspectives of athletic training, including techniques for organizing and administering athletic training programs.
Pre / Co requisites: SMD 414 requires prerequisite of SMD 315. Athletic Training majors only.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall.

SPA
SPA 310. Business Topics in Spanish. 3 Credits.
Introduction to business concepts in Spanish in fields of management, banking, finance, accounting, marketing, and international business. No prior knowledge of business required.
Practical course in oral communication. Some interpretation, translation, and writing of business documents.
Pre / Co requisites: SPA 303 requires prerequisites of SPA 301 and SPA 302.
Gen Ed Attribute: Writing Emphasis.

SSC
SSC 331. Methods of Teaching Secondary Social Studies. 3 Credits.
Methods and materials of teaching social studies for prospective secondary school teachers. Emphasis is on combining educational theory with social studies content for effective teaching. Exercises and practical application.
Pre / Co requisites: SSC 331 requires prerequisites of EDS 306 and formal admission into teacher education.
Gen Ed Attribute: Writing Emphasis.

SWO
SWO 300. Family Systems. 3 Credits.
This course is an introduction to the family from a systems theory perspective. The course includes discussion of historical and contemporary definitions of the family, types of families, the social function of families, and an overview of the family life cycle. Particular attention is paid to diversity in order to highlight variations in family forms and styles along the lines of race, ethnicity, class and sexual orientation.
Gen Ed Attribute: Writing Emphasis.
Distance education offering may be available.
Typically offered in Summer.

SWO 351. Human Behavior and the Social Environment II. 3 Credits.
This course examines the life cycle from middle adulthood through older adulthood and death and dying with an emphasis on mezzo and macro theories of human behavior from a strengths and ecological systems perspective.
Gen Ed Attribute: Diversity Requirement, Writing Emphasis.

SWO 491. Sexuality Concepts for Social Workers. 3 Credits.
Human sexuality is one of the basic foundations for life. From birth through life, individuals are sexed, gendered and bombarded with messages about what they are, who they should be and how they are expected to behave. In adult life, whether individuals choose to date, to partner or to remain single; to have children, to adopt or to create other forms of family, sexuality is one of the central and organizing components of the human experience. In this course, human sexuality is explored in three separate sections from a biopsychosocial perspective. The first of these units addresses an overview of sexuality information and functioning. The second examines psychosocial issues, as they exist within sexuality. Lastly, the manifestations of human sexuality as they occur within the Social Work and human services context are investigated.
Gen Ed Attribute: Writing Emphasis.

SWO 495. Social Work Senior Seminar I. 3 Credits.
Integration of field and classroom experiences in discussing the application of the generalist model to the helping process. Emphasis is on all levels of practice (individuals, families, groups, organizations, and communities. Social Work majors only.
Pre / Co requisites: SWO 495 requires prerequisite of SWO 395 and a corequisite of SWO 450.
Gen Ed Attribute: Writing Emphasis.

THA
THA 306. History of Theatre/Drama I. 3 Credits.
Examination of plays, players and methods of theatrical production from English Renaissance to 1875.
Pre / Co requisites: THA 306 requires prerequisite of THA 113 or THA 213.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall.

THA 307. History of Theatre/Drama II. 3 Credits.
Examination of plays, players, and methods of theatrical production from Modern Theatre 1875 to 1900 through Contemporary Theatre 1975-Present.
Pre / Co requisites: THA 307 requires prerequisite of THA 113 or THA 213.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Spring.

WOS
WOS 225. Intro to Women's and Gender Studies. 3 Credits.
An interdisciplinary course designed to enable students to analyze the lived experience of women, to evaluate the impact of gender, to question the implications of changing cultural patterns, and to sample first-hand efforts for social change. Satisfies interdisciplinary requirement. Offered every semester.
Typically offered in Fall, Spring & Summer.

WOS 250. Women's Self Representation. 3 Credits.
An interdisciplinary approach to ways women record their lives.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

WOS 310. Women and Activism. 3 Credits.
Although often misrepresented or ignored, women were and continue to be active in a wide range of social justice movements. This course focuses specifically upon women activists in the United States and their resistance to structural inequalities based upon gender. In addition to social justice movements focused on sexism, this course uses intersectional theory to recognize the feminist value of women who work against racial, economic, sexual, and other oppressions.
Pre / Co requisites: WOS 310 requires prerequisite of WOS 225 or WOS 250.
Gen Ed Attribute: Diversity Requirement, Writing Emphasis.
Distance education offering may be available.
Typically offered in Fall.

WRH
WRH 205. Composing Cyberspace. 3 Credits.
Students compose websites and blogs and examine the unique intersection of visual and verbal rhetoric that informs composition in cyberspace.
Gen Ed Attribute: Writing Emphasis.

WRH 210. Multicultural Writing. 3 Credits.
This course focuses on understanding the role that writing plays in shaping a multicultural society. Assignments will ask students to write for diverse social contexts and will help students expand their repertoire of genres and writing strategies.
Gen Ed Attribute: Diversity Requirement, Writing Emphasis.

WRH 301. The Rhetorics of Black Americans. 3 Credits.
This course views the language of Black America as a form of cultural expression and means of resistance to oppression in the U.S. Using historical and thematic frames, students will relate their understandings of Black linguistic and rhetorical practices to Black folks’ experiences and struggles for improved social, political, and material realities.
Gen Ed Attribute: Diversity Requirement, Writing Emphasis.
Typically offered in Fall & Spring.
WRH 305. Images of School in Film. 3 Credits.
This course reflects on schooling as a shared experience, helping students develop a stronger sense of what functions schools should be expected to perform in society. Using theoretical readings and films, students will develop an intellectual.
Gen Ed Attribute: Writing Emphasis.

NEW GENERAL EDUCATION REQUIREMENTS COMING IN 2019!

The University is excited to share information about the updated General Education Program launching in the fall of 2019.

A liberal arts education prepares students to think and communicate as professionals to understand the social and global context of their lives to transfer knowledge and skills from one setting to another, to recognize differences and make informed decisions using reasoning skills, and to balance the various dimensions of their personal and professional lives. With these important goals in mind, West Chester University's General Education Program strives to provide students with the experiences necessary to achieve the following goals:

1. Communicate effectively
2. Think critically and analytically
3. Employ quantitative concepts and mathematical methods
4. Demonstrate the ability to think across and about disciplinary boundaries
5. Respond thoughtfully to diversity
6. Understand varied historical, cultural, and philosophical traditions
7. Make informed decisions and ethical choices

Beginning in Fall 2019, the General Education requirements will be comprised of the following components:

**FIRST-YEAR EXPERIENCE**

**ACADEMIC FOUNDATION**

English Composition (WRT 120 and 200-level writing) 6 Credits
Mathematics 3 Credits
Interdisciplinary 3 Credits
Diverse Communities 3 Credits

**DISTRIBUTIVE REQUIREMENTS**

Science 6 Credits
Behavioral and Social Science 6 Credits
Humanities 6 Credits
Arts 3 Credits

**CAPSTONE**

Major Requirements

**ADDITIONAL BACCALAUREATE REQUIREMENTS**

Writing Emphasis Requirement for all Baccalaureate Degrees 9 Credits
Speaking Emphasis Requirement for all Baccalaureate Degrees 9 Credits
Ethics Requirement for all Baccalaureate Degrees 3 Credits
Language and Culture Requirement for B.A., B.M., and some B.S. Degrees 0-15 Credits

GENERAL INFORMATION ABOUT DEGREE REQUIREMENTS

Student Responsibility

The ultimate responsibility for satisfying all graduation requirements is the student's. Students are encouraged to check their Degree Progress Reports (http://www.wcupa.edu/registrar/dpr.aspx) (DPRs) on myWCU regularly, so they maintain a thorough understanding of all outstanding requirements. Faculty academic advisors are expected to provide accurate, helpful information to students, and students are expected to be knowledgeable about the academic policies and procedures governing the completion of their degrees. The student and faculty advisor are expected to consult with each other regularly. Under West Chester University's advising program, all students have faculty advisors, appointed through their major departments, who counsel them on academic matters throughout their undergraduate years. Students who have not yet declared a major are advised by Exploratory Studies (http://www.wcupa.edu/advising). Students need to meet with their advisors before registration periods to discuss course enrollment and be given access to online registration.

West Chester University faculty, staff, and students must activate and maintain regular access to University-provided electronic mail accounts AND are responsible for accessing electronic mail to obtain official University communications. Failure to access the electronic mail account will not exempt individuals from associated responsibilities and liabilities.

Students are expected to complete all degree requirements within the semester in which they intend to graduate. Any unmet degree requirements can only be completed for that semester's graduation date, if the attempt to complete the degree requirement was initiated prior to the end of the semester, and the requirement was completed within 30 days of the actual graduation date.

**Applicable Catalog Year**

The West Chester University Undergraduate Catalog is produced annually in print and online versions. Regardless of the method of distribution, the catalog in effect for a student’s year of admission dictates the general education requirements that the student must follow. Students are bound by the major, minor, and cognate requirements in the catalog for the academic year for which they are accepted into the major or minor. In some instances, accrediting, certification, and/or Pennsylvania State System of Higher Education (PASSHE) standards necessitate the change in major, minor, and cognate requirements. In such situations, the respective college will formally inform each student that he or she must meet the new requirements. Readmitted students are bound by the requirements in place for general education at the time of readmission. Major, minor, and cognate area requirements are also bound at the time of readmission, except where permission is granted by the respective department.

Students are expected to complete all degree requirements within the semester in which they intend to graduate. Any unmet degree requirements can only be completed for that semester’s graduation date, if the attempt to complete the degree requirement was initiated prior to the end of the semester, and the requirement was completed within 30 days of the actual graduation date.

**Dual Degrees and Majors**

Students are permitted to pursue dual majors under the same degree or dual degrees with the concurrence of the participating departments. (See “Dual Degrees (p. 77)” and “Double Majors (p. 77)” in the “Academic Policies and Procedures (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)” section of this catalog.)

**Basic Proficiency**

Students who do not demonstrate basic proficiency in English or mathematics may be required to take developmental courses (Q00-level) as prerequisites of their degree programs. These courses do not count towards graduation.

**REQUIREMENTS FOR THE BACCALAUREATE DEGREE**

1. Satisfactory completion of a minimum of 120 credits, distributed as shown in the curriculum for the student’s major field. NOTE: Some programs will require more than 120 credits for degree completion. These programs are described within the department’s pages in this catalog.
2018-2019 UNDERGRADUATE CATALOG

ACCELERATED PROGRAMS

Academic Requirements

1. Students in accelerated programs must satisfy the requirements and student learning outcomes of both degree programs.
2. A student must have attained at least junior standing (a minimum of 60 completed credits) and have a minimum cumulative GPA of 3.00 before taking graduate courses in the intended graduate program.
3. All prerequisites for the intended graduate courses must be satisfied prior to taking those graduate courses.
4. A maximum of 40% of graduate credits (rounded to the nearest whole number) may be applied to satisfy the credit and/or program requirements for the undergraduate degree. Departments may choose to apply a smaller percentage of graduate credits to the degree. The total number of credits required for both the undergraduate and graduate degrees will be reduced by the number of graduate credits used to satisfy requirements for the undergraduate degree.
5. Students may not take additional graduate courses, beyond those approved to satisfy their undergraduate degree, until the conferral of their undergraduate degree.

Tuition and Financial Aid/Scholarships

1. Students are considered undergraduate students until conferral of their undergraduate degree.
2. The graduate courses will be applied to the undergraduate record during their junior and senior year, allowing the student to be charged at the undergraduate tuition rate and eligible for undergraduate financial aid and scholarships.
3. After conferral of the undergraduate degree, students will receive full admission status (pending all other requirements have been met) and be considered graduate students. Students will then be charged the graduate tuition rate and be eligible for graduate assistantships and other graduate aid.

Notes

1. Failure to demonstrate adequate progress, as defined by the department, could result in a student being ineligible to continue in the accelerated program. Departments requesting withdrawal of an accelerated undergraduate student must notify the Dean of Graduate Studies in writing prior to the start of the next regular semester.
2. Unless otherwise stated, students are considered undergraduates until the undergraduate degree is conferred and thereby held to policies in the Undergraduate Catalog. Once the undergraduate degree is conferred, students are considered graduate students and held to policies in the Graduate Catalog.

Programs Offered in the Accelerated Format

- B.S. in Biology - Ecology and Conservation Concentration to M.S. in Biology (Thesis Option) (p. 193)
- B.S. in Biology - Integrative Biology Concentration to M.S. in Biology (Thesis Option) (p. 195)
- B.S. in Computer Science to M.S. in Computer Science (p. 229)
- B.S. in Criminal Justice to M.S. in Criminal Justice (p. 235)
- B.A. in Geography to M.S. in Geography (p. 290)
- B.S. in Geoscience - Earth Systems Concentration to M.S. in Geoscience (p. 248)
- B.S. in Geoscience - Geology Concentration to M.S. in Geoscience (p. 250)
- B.S. in Health Science: General - Sports Medicine Studies Concentration to M.S. in Athletic Training (p. 302)
- B.A. in Mathematics to M.A. in Mathematics (p. 378)
• B.S. in Mathematics - Applied and Computational Mathematics Concentration to M.S. in Applied and Computational Mathematics (p. 380)
• B.S. in Mathematics - Computational Mathematics Concentration to M.S. in Applied and Computational Mathematics (p. 382) (no longer admitting new students)
• B.S. in Mathematics - Mathematics Concentration to M.A. in Mathematics (p. 385)
• B.S. in Mathematics - Statistics Concentration to M.S. in Applied Statistics (p. 386)
• B.S. in Nutrition to M.S. in Community Nutrition (p. 420)
• B.A. in Philosophy to M.A. in Philosophy (p. 429)
• B.S. in Urban and Environmental Planning to M.S. in Geography (p. 293)
• B.S. in Urban and Environmental Planning to Master of Urban and Regional Planning (p. 293)

CAMPUS SERVICES

Dining Services
All students residing in the North Campus residence halls must be on the University meal plan as a condition of occupancy. Students with medical problems who cannot meet this requirement may request a meal waiver. Residents of the South Campus Apartment Complex, The Village and East Village Apartments, and the College Arms Apartments, as well as off-campus and commuting students, may purchase any meal plan offered or obtain meals at the casual meal rates.

A number of variable and flex-only meal plans are available. Details of these plans, as well as the costs, are found in the "Feeds and Expenses" section of this catalog.

All meal plans may be used in the following locations: Lawrence Dining Hall; the Diner; C-Stores/Grill operations; Java City and the Ram's Head Food Court; and with national brands, such as Chick-fil-A, Einstein's Bagels, and Starbucks.

Campus Store

The WCU Campus Store is located on the ground floor of Sykes Student Union. The Campus Store has new and used textbooks for all WCU courses, a thriving textbook rental program of new and used titles, and select course offerings including digital textbooks. Textbooks may be purchased in the store or on the store's website: www.wcucampusstore.com (http://www.wcucampusstore.com). For your convenience, we provide in-store pick-up for online orders, or shipping is also offered. The WCU Campus Store also stocks supplies, course supplies, and reference materials, as well as study and teacher aids.

WCU Campus Store offers a complete line of official WCU-imprinted clothing and gifts that can be purchased on the store's website. Greeting cards, snacks, candy, soft and energy drinks, health and beauty aids, electronics, and laundry supplies are also available in the Campus Store. Spirit items for athletic events are available as well. Services offered include special orders for computer software and general interest books (at no extra cost), an onsite Greek wear provider, UPS and USPS shipping services, and daily book buybacks. All major credit cards, Ram Bucks, and personal checks, accompanied by a valid ID, are accepted.

The store hours are as follows:
Monday - Thursday, 8 am - 6 pm
Friday, 8 am - 4 pm
Saturday, 11 am - 3 pm
Sundays (Fall and Spring) 12 pm - 4 pm
(hours are subject to change).

In Fall 2018, we will be launching an Inclusive Access pilot program that will deliver digital course materials directly to D2L for each student enrolled in select classes. The program provides significant costs savings for students and ensures all participating students have their required materials on the first day of class. We anticipate that this Inclusive Access program will grow quickly and have more courses added to the program soon.

For additional convenience, the store offers extended operating hours at the beginning of each semester. For more information, call 610-436-2242 or visit the website at www.wcucampusstore.com (http://www.wcucampusstore.com)/.

Campus Recreation

At West Chester University, the Department of Campus Recreation is the primary destination for the Golden Ram campus community to engage in recreation, social, and wellness-orientated programs and services. Blending components of fitness and well-being with the co-curricular educational experience it is our mission to assist each person in exceeding academic goals while establishing healthy lifetime behaviors. While at WCU we encourage you to treat yourself and allow your mind, body, and soul to engage in some daily PLAY time; you've earned it!

The Student Recreation Center is the central hub for many of the quality programs and services we provide. Opened in August, 2012, the SRC welcomes over 2,500 Golden Rams through it’s doors on a daily basis! With over 70,000 sq. ft. of recreation activity space we believe we have something for everyone. Features of the SRC include: a 34-ft. tall climbing and bouldering wall; 13,000 sq. ft of strength and conditioning equipment including an extensive line of Life Fitness cardio and strength equipment; three fitness studios featuring a wide range of group fitness classes including many Les Mills formats; two hardwood basketball courts; two racquetball courts; one multi-activity court perfect for floor hockey, soccer, volleyball, and many other activities; outdoor sand volleyball and basketball courts; men’s and women’s locker rooms; and the administrative offices for all full-time, Campus Recreation staff.

Beyond the many outstanding programs and services provided through the Student Recreation Center, Campus Recreation also offers many structured opportunities which may meet at other locations on or off campus. Examples include our highly respected Outdoor Adventure Pursuits program (OAP), which offers a number of weekend trips to various destinations for activities such as ice climbing, waterfall walking, backpacking and mountain climbing, kayak or canoe excursions, archery camp, and other events featuring the natural beauty of our region. The OAP program provides an excellent opportunity to get off campus, dig into nature, and enjoy meeting other students who share your appreciation for the outdoors and sustainability. Additionally through our OAP program, we offer the always popular "Cocoa Clinics" which feature educational discussions on topics such as sustainability practices, international backpacking, the art of layers, and other practical but educational topics—all served with tasty hot cocoa!

Campus Recreation offers an exciting line-up of intramural sports leagues, tournaments, and one-day events. Leagues are divided into men’s, women’s, and co-recreational and feature competition against other WCU Golden Ram students. Examples of current/past intramural sports competitions include flag-football, soccer, basketball, canoe battleship, kickball, softball, volleyball, dodgeball, and many other FUN recreational but competitive sports. Many of the indoor competitions will take place at the Student Recreation Center while most outdoor events will be hosted at "South Campus" outdoor playfields.

WCU's Campus Recreation is also home to over 32 different Club Sport teams, with many competing and succeeding at the regional and national level. Examples of current Club Sport teams include men’s and women’s ultimate Frisbee, men’s and women’s water polo, Crossfit, men’s and women’s ice hockey, equestrian, Quidditch, rugby, wrestling, fishing, and many more. If WCU graduate or undergraduate students are looking to extend their competitive playing years or wish to learn a new skill, consider joining or starting a new club sport!

Through Campus Recreation we strive to provide our Golden Ram campus community a comprehensive and diverse line-up of healthy,
fitness, FUN, recreational, and co-curricular programs and services. Through the many outstanding activities we provide, featuring innovative programming while also employing over 180 students in many leadership roles, we aspire to provide options for each person to create life-long healthy behaviors, opportunities for personal growth and awareness, and to create meaningful and positive relationships. We believe through the many programs and services we offer or through employment you will find Campus Recreation truly does offer something for everyone!

Additional information can be found by visiting www.wcupa.edu/campusrec, or by contacting the Department of Campus Recreation at 610-436-1REC (x1732).

Career Development Center

The Twardowski Career Development Center staff assists students with defining career goals, exploring and choosing majors, developing job search skills, securing internships and full-time career opportunities, and applying to graduate school. The career center facilitates connections with employers and job/internship opportunities via Ram Career Network (https://wcu-csm.symplicity.com/students); this online career management system includes on-campus interviews, job fairs, electronic resume reviews, online practice interviews, and a resume database (for employers to access job seeker resumes). These services are available throughout the entire calendar year.

Visit the extensive website for a range of other valuable resources, videos, and information: http://wcupa.edu/cdc.

The Twardowski Career Development Center is located in 225 Lawrence Center, 610-436-2501, or e-mail cdc@wcupa.edu.

Fraternity and Sorority Life

The Office of Fraternity and Sorority Life (http://www.wcupa.edu/greekLife) coordinates West Chester University’s fraternity and sorority community, comprising 2,200 students and 35 (inter)national chapters on their service projects, community activities, scholarship support programs, recruitment and new member programs, and leadership development. In addition, the office works with four governing/programming councils. Fraternity and Sorority Life is located in 238 Sykes Student Union, 610-436-2117.

Mail Services

The University has an on-campus post office located at 887 South Matlack Street, 610-436-2744.

Resident students receive their mail at their residence halls. To ensure prompt delivery, the complete and correct addresses for the facility should be used. Please refer to the Office of Residence Life and Housing Services website, http://www.wcupa.edu/_services/stu.lif/mailservice.aspx, for specific details.

Student Services, Incorporated (SSI)

Student Services, Incorporated (SSI) is a not-for-profit organization primarily designed to serve the students of West Chester University. The objective of this corporation is to initiate, regulate, and operate the financial matters of all co-curricular student activities. Such activities include the management of the RAM/CARD, campus bookstore, student publications, student organizations, check cashing/ticket service, student programming, intercollegiate athletics, and the graduate student association.

In fiscal matters and in various policy-making areas, the final authority rests with the president of the University.

The SSI Business Office, 610-436-2357, is located in 259 Sykes Student Union.

Sykes Student Union Building

The Earl F. Sykes Union first opened in 1975 as the community center for West Chester University. A building expansion and major renovations were completed in 1995, providing students with a 102,000-square foot multipurpose facility.

Taken from the Association of College Unions International’s 2018 Role of the College Union statement:

“The college union advances a sense of community, unifying the institution by embracing the diversity of students, faculty, staff, alumni, and guests. We bolster the educational mission of the institution and the development of students as lifelong learners by delivering an array of cultural, educational, social, and recreational programs, services, and facilities.”

The ground floor features the Lawrence A. Dowdy Multicultural Center; Campus Store; Student Services, Inc. Service Center; a 350-seat theater; the Ram’s Den Lounge/EcoGrounds coffee; and the east patio entrance. The first floor offers a food court and dining area; a multi-use outdoor pergola; a 5,000-square foot multipurpose ballroom designed for dances, concerts, banquets, and lectures; as well as the student union administrative offices and building Information Center.

The second floor houses the Student Affairs offices of the Fraternity and Sorority Life; Student Leadership and Involvement; Lesbian, Gay Bisexual, Transgender, Queer, Ally Services; and Off Campus and Commuter Services. The Student Services, Inc. Business Office; the department of Student Activities; and the Center for Student Involvement are also located on the second floor.

The third floor Frederick Douglass Lounge Area features a 25-unit computer lab with quiet study and seminar space and a meditation lounge. Sykes Union also features 17 rooms accommodating groups from 4 to 500 for meetings, programs, and events.

For information concerning Sykes Union, please call the Information Center at 610-436-2984/3360.

Center for Women and Gender Equity (CWGE)

Since 1974, we have been celebrating, honoring, and empowering our campus community. We do this through a diverse range of educational programs, resources, and advocacy for all people.

The Center for Women and Gender Equity (CWGE) is a confidential resource where you can report incidents of sexual misconduct (dating/domestic violence, sexual assault, stalking, and harassment). We will provide you the support and resources you need to take your next steps.

Mission

CWGE promotes a campus culture and climate that supports principles of social justice, equity, inclusion, and community. We advocate for a campus community that values the safety, equality, and intellectual advancement of women and historically marginalized groups at West Chester University.

CWGE provides education, resources, and advocacy primarily on gender-related issues. We facilitate, sustain, and advance dialogue about how gender intersects with race, ethnicity, class, sexual identity, ability, age, and nationality.

Our mission is accomplished through:

• Educational programs that address a wide range of social justice issues that affect the success, well-being, and empowerment of women
• Special events, workshops, and trainings that promote awareness of the ways in which gender bias intersects with racism, classism, homophobia, and other forms of oppression
• Leadership opportunities that build confidence and provide skills to enhance the personal and professional growth of women
• Coordinating campus-wide violence prevention initiatives, including programming designed to engage men as allies in violence prevention
• Building allies and partners-in-movement through programming focused on healthier forms of masculinity and the ways in which gender impacts our everyday lives
• Confidential support and referrals for students experiencing sexual misconduct
• Information and referrals about issues that disproportionately impact women
• Advocating for systemic changes that support women and historically marginalized groups

The Center for Women and Gender Equity is located at 220 Lawrence Center. For more information, visit www.wcupa.edu/womenscenter or call 610-436-2122.

OFF CAMPUS AND COMMUTER STUDENTS

Off Campus and Commuter Services

Off Campus & Commuter Services (OCCS) was established to meet the needs of the off campus and commuter students by providing programs and resources to support your experience as a student at West Chester University. As an off campus or commuter student, you help make up approximately 69% of our student body. You are a part of the diverse population at WCU representing students who:

• Live at home and commute to campus
• Reside in an off campus neighborhood adjacent to campus
• Reside in an off campus community further from campus
• Are both traditional and non-traditional
• Are both full- and part-time
• Are both undergraduate and graduate

In addition, the office:

• Partners with Places4students.com (https://www.places4students.com), a company that specializes in providing off campus housing solutions. This service is FREE for all students to use as an effective method of finding roommates and a place to live off campus.

• Supports the Off Campus and Commuter Association (OCCA), a student organization that meets weekly to discuss issues and advocate for needs of the WCU off campus and commuter population;

• Offers off campus and commuter students resources and information for living off campus, transportation, and parking;

• Oversees FREE STUDENT LEGAL AID (http://www.wcupa.edu/legalAid), providing consultation on a variety of civil and criminal issues - landlord/tenant, leases, citations, etc. This is offered by appointment, and a consultation is expected to last 15 minutes.

• Develops and advocates for long-range plans and research on the profile and needs of off campus and commuter students

This office is coordinated by a full time Director of Off Campus & Commuter Services (http://www.wcupa.edu/occs), located in 238 Sykes Student Union, 610-436-2209.

Off Campus Housing

Students who choose to live in the Borough of West Chester and the surrounding communities must secure their own living accommodations. OCCS partners with Places4Students.com (https://www.places4students.com) to provide off campus housing solutions and will provide information and support to students who are searching for off campus housing opportunities. Additional information about living off campus can be found on the web at www.wcupa.edu/occs/. If you are interested in renting off campus in the Borough of West Chester, please note that it has student-zoned housing "a living arrangement for at least two students to a maximum of four students who are unrelated by blood, marriage or legal adoption" -- and considers the definition of a student as the following: "an individual who is enrolled or has made application and been accepted at a university, college, or trade school and is taking at least 6 credit hours and whose primary occupation is as a student or who is on a semester or summer break from studies at a university, college, or trade school." This applies to undergraduate and graduate students.

HEALTH AND COUNSELING SERVICES INFORMATION

The Department of Counseling and Psychological Services

The Department of Counseling and Psychological Services (http://www.wcupa.edu/counselingCenter) (The Counseling Center) is located in 241 Lawrence Center (610-436-2301). All currently enrolled undergraduate and graduate students may walk in for a brief triage assessment (M - F, between 1 and 3 pm), at which time a determination is made to help the student receive the most appropriate mode of treatment (e.g., individual, group, or a referral off campus). The Counseling Center includes licensed psychologists, licensed counselors, consulting psychiatrists, and graduate-level trainees with whom students may discuss their concerns in strict confidence.

Counseling Services

Since the Counseling Center provides services for a wide range of concerns, each student's experience will be tailored to meet their needs. Students may wish to focus on their emotions and learn better ways to cope, improve their interpersonal skills, resolve personal conflicts, or clarify their educational or vocational choices. Any of the following approaches may be implemented to address a student's concerns:

1. Individual psychological counseling consists of a brief form of treatment in which the counselor and the student engage in a one-to-one experience. The focus is typically on resolving personal or interpersonal conflicts. The goal is to improve the student's expertise at making meaningful choices and recognizing patterns of behavior that can be changed for the better. Counseling also may help students avoid choosing behaviors that restrict personal growth and undermine their well-being.

2. Group counseling consists of a small number of peers and one or two facilitators. Such groups meet weekly with a goal of improving interpersonal relationships. In addition, some groups have a very specific focus. Past groups have included a support group for students dealing with substance abuse, a group dealing with grief/loss, a sexual identity group, a women's group, and assertiveness training. An updated list of ongoing groups can be found on the Counseling Center's web page at http://www.wcupa.edu/CounselingCenter.

3. Individual career counseling consists of a one-to-one experience that focuses on clarifying the student's interests and career aspirations. Career choice is most solid when it is an outgrowth of better understanding oneself. Such understanding is advanced by the thoughtful exploration of values, interests, and abilities. Students may also find career guidance via the Twardowski Career Development Center.

4. Assessment/testing is primarily limited to vocational interest tests which can help clarify educational choice and career planning. The student and counselor can determine whether such testing might be helpful. The Counseling Center does not offer disability testing; please contact the Office of Services for Students with Disabilities (http://www.wcupa.edu/ossd) (OSSD) for off-campus sites. If psychological testing is required or desired, an appointment may be made with the Counseling Center's Case Manager to locate a provider in the community who conducts such testing.

5. Consultation services for staff and faculty are available by calling the Counseling Center's main number (610-436-2301) during regular business hours. Psychologists may be able to assist with
crises, program planning, group and interpersonal communications, and referrals to other agencies.

6. The Counseling Center also has an Alcohol and Other Drug (AOD) counselor. Note that students may not use this individual to meet sanctions imposed by the court. The AOD counselor does not send notice of attendance or progress to any outside individuals, excluding WCU’s Office of Student Conduct. Most students who are motivated to make changes and reduce their drug or alcohol consumption are appropriate for the AOD counselor. This person also works with students who have received sanctions through WCU’s Office of Student Conduct.

Student Health Services

The University maintains a Student Health Center (http://www.wcupa.edu/_services/stu.inf) staffed by physicians, nurse practitioners, and registered nurses. The Health Center staff is available to meet emergency and first-aid needs, and to perform routine treatment of minor illnesses and minor surgical conditions.

Care provided by Student Health Services includes the following:

1. Acute medical care, including sore throat, cold, flu, and other illnesses
2. Minor surgical care, including suture placement and removal, and abscess care
3. Sexually transmitted infection (STI) and HIV testing, treatment, and referrals
4. Gynecological services, including routine examinations, contraceptives, and pregnancy testing
5. General preventative care, including immunizations and nonathletic general physicals
6. First-aid

During the fall and spring semesters, Student Health Services is open Monday - Friday, 8 a.m. - 6 p.m., and Saturday, 10 a.m. - 6 p.m. Hours of operation during summer and winter sessions are 8 a.m. - 4 p.m. Visits are by appointment, except for emergency situations. Any emergencies during the night and on weekends may be treated at the Chester County Hospital Emergency Room.

All Student Health Services practitioners have received training to meet the unique needs and situations of the LGBTQA community.

Student Health Services is located on the lower level of Commonwealth Hall. The Student Health phone number is 610-436-2509.

Physical Examination Requirements

Each semester, new students receive e-mail information about Student Health Services which includes instructions on how to submit health history and immunization information electronically via the web portal at http://stuhealth-web.wcupa.edu/. No physician signature is required. Electronic submission of this form is requested by the start of classes.

A physical examination is no longer a general University requirement and is only necessary if needed by a specific academic major or athletic group. The professor or coach will provide the student with this information.

Insurance Programs

Because of the unpredictable nature of medical and surgical emergencies, all students are encouraged to be covered by a health insurance program. Information on insurance health programs is e-mailed to students prior to registration or may be obtained directly from the Student Health Services website (http://www.wcupa.edu/healthServices).

Insurance requirements may be mandated by specific departments and/or athletic programs. For example, there are special liability insurance requirements for students in the nursing program. Refer to the appropriate section (e.g., academic department, athletic program) in the catalog for further information on these requirements.

Communicable Diseases

A current report of a negative tuberculin test or chest X-ray showing no active tuberculosis (TB) is mandated by the Pennsylvania Department of Education for all student teachers and students participating in a field experience in the public schools. The TB test can be given at Student Health Services for a nominal charge.

Pennsylvania state law requires the meningococcal vaccine, or a signed waiver, for all students living in University housing. Guidelines published by the Centers for Disease Control and the American College Health Association will be adhered to and revised as appropriate to protect the health of those in the University community.

Because of the potential for transmission of several infectious diseases, all students utilizing injectable medicines will be required to show evidence of satisfactory disposal of needles and syringes. Student Health Services will provide free disposal of medical waste.

NEW STUDENT PROGRAMS

The Office of New Student Programs (http://www.wcupa.edu/orientation) coordinates orientation and outreach programs for first-year (freshman), transfer, and adult-learner students. Orientation programs include sessions in June, August, and January.

West Chester’s orientation programs are designed to introduce new students to the University and acquaint them with the academic, student services, and social aspects of college life. Attendance at orientation is mandatory for all first-year students and for students transferring with 59 credits or less. Students transferring with 60 credits or more are offered the option to attend on-campus orientation or complete an online orientation course.

New student outreach includes participation in Welcome Week as well as new student programming efforts such as the New Student Success Series, the New Student Connect, and Family Weekend. New Student Programs also co-sponsors the new student leadership retreat held early in the fall semester. The New Student Programs staff are available to serve as a resource and to help incoming first-year, transfer, and adult-learner students make a successful transition to West Chester University.

The Office of New Student Programs (http://www.wcupa.edu/orientation) is located in 202 Lawrence Center, 610-436-3305.

THE OFFICE OF STUDENT CONDUCT

The University is committed to providing a sound educational environment for intellectual pursuits by fostering student development and upholding community standards. Accordingly, the West Chester University Student Code of Conduct (https://www.wcupa.edu/_services/stu.jud/documents/2018-2019CodeOfConduct.pdf), a set of behavioral standards, has been created to maintain a safe and secure campus environment.

The WCU Student Code of Conduct (https://www.wcupa.edu/_services/stu.jud/documents/2018-2019CodeOfConduct.pdf), found online and in the Ram’s Eye View student handbook, translates those acts that constitute unacceptable behavior for the University’s students and student organizations. Students and student organizations accept the responsibility to abide by all University rules and regulations. In addition to these rules and regulations, students are expected to obey federal, state, and local laws. The University, for educational purposes, has the right to review any action taken by local law enforcement agencies regarding students. Disciplinary action may be imposed when a student engages in behavior, on or off campus, that is not consistent with University community standards as defined by the West Chester University Student Code of Conduct.

As members of the University community, students have the right to:
• Participate in all activities of the University, free from any form of harassment or discrimination
• Personal privacy except otherwise provided by the law
• To procedural due process in all action arising from violations of University regulations

Along with those rights, students have the responsibility to:
• Respect the rights and property of others
• Become fully acquainted with the published University regulations and comply with them
• Recognize that their actions reflect on the entire University community

The Office of Student Conduct is overseen by the Assistant Dean of Students and works collaboratively with administrators, faculty, staff, students, and community constituents to address student behavioral issues that impact the University community. The Office of Student Conduct (http://www.wcupa.edu/_SERVICES/stu.jud) is located on 200 Ruby Jones Hall, 610-436-3511, and can also be reached at StudentConduct@wcupa.edu (studentconduct@wcupa.edu).

PUBLIC SAFETY

West Chester University is concerned about the safety and welfare of all campus members and is committed to providing a safe and secure environment. Campus security is the responsibility of the University’s Department of Public Safety (http://www.wcupa.edu/dps). Because no campus is isolated from crime, the University has developed a series of policies and procedures to ensure that every possible precautionary measure is taken to protect members of the University community while they are on campus. A link to the Annual Security and Fire Safety Report is available on the web at https://www.wcupa.edu/dps/documents/clery.pdf. Printed copies are also available upon request from the Department of Public Safety. (http://www.wcupa.edu/dps)

Emergency Preparedness

The University continues to review its safety policies and procedures and has developed initiatives to address the issues raised by national tragedies. Although no college campus is completely safe, West Chester University has taken positive steps to enhance the safety of the campus community. It is important that all University community members understand how the institution will proceed and respond in case of a campus emergency. All students and employees should learn where to find emergency information and instructions, and be familiar with evacuation procedures for buildings where they live or work, as well as those they visit during the course of a day. The preparation people take now to learn, be aware of, and practice their own personal emergency plan is vital.

Information about emergency preparedness and planning, as well as the University Threat Assessment Policy, is available at http://www.wcupa.edu/dps/crisisResponse.aspx

Emergency Alert Notification

https://www.wcupa.edu/dps/emergencyManagement/emergencyAlerts.aspx

In an emergency, the University will communicate key information as quickly and to as many people as possible using some or all of the following communication channels:
• Text message to WCU Alert subscribers, http://www.wcupa.edu/wcualert/
• Mass e-mails to faculty, staff, and students via WCU-assigned e-mail accounts
• Posted on WCU’s homepage
• Recorded message on WCU’s Information Line 610-436-1000
• External emergency notification broadcasts

While the University has a wide variety of methods to communicate with the campus community, the text messaging service allows the University to use some of the latest technology to reach students, faculty, and staff in the event of any emergency. The WCU homepage at http://www.wcupa.edu will be the primary source for all up-to-date, official information concerning emergencies.

Weather Alert Notification

https://www.wcupa.edu/dps/emergencyManagement/weatherAlert.aspx

When adverse weather conditions affect the routine operation of the University, information regarding class cancellations, delayed openings, and/or University closings will be publicized via multifaceted communication media including the following:
• Text messages to WCU Alert subscribers. WCU has contracted with e2campus to provide the service WCU ALERT, which sends subscribers direct text messages of WCU announcements, including class cancellations, delayed openings, University closings, on-campus emergencies, and the occasional test message. WCU ALERT provides the most effective way to communicate safety to all students, faculty, and staff, wherever they are. WCU ALERT is completely free to sign up, but phone carriers may charge for receiving text messages. WCU ALERT will not deliver any kind of advertising content, and phone numbers will not be shared with any third parties. For more information and to sign up visit www.wcupa.edu/wcualert/ (http://www.wcupa.edu/wcualert).
• Mass e-mails to students, faculty, and staff. WCU-assigned e-mail accounts for employees and students will be used as one of the primary layers of communication for weather-related as well as emergency alerts; all employees and students are required to activate and maintain regular access to their University-provided e-mail accounts.
• Posted on WCU’s homepage at http://www.wcupa.edu. The most up-to-date and specific information, including weather developments, event cancellations and postponements, or changes to the final exam schedule, will be posted on the WCU homepage.
• Recorded message on WCU’s Information Line, 610-436-1000. However, the WCU homepage will always carry the most updated information as the weather event unfolds or as information is posted regarding cancellation/postponement of events.
• Broadcast on many radio and TV stations. Some radio and TV stations use a system of code numbers rather than school names for cancellations and announcements. West Chester University’s code numbers are 853 for cancellation of day classes and 2853 for evening classes. However, because radio and TV stations are generally not able to provide specific information, the most accurate and detailed announcements will be maintained on WCU’s homepage at www.wcupa.edu.

RESIDENTIAL SERVICES

Residence Life & Housing Services

The Office of Residence Life and Housing Services (http://www.wcupa.edu/residenceLife) is responsible for creating and maintaining an environment in each housing facility that encourages academic, social, and emotional growth. Each facility is staffed with trained personnel who are available 24 hours a day to provide services, assistance, and a variety of information. All resident students are encouraged to read “The Guide to Residential Living (http://www.wcupa.edu/_services/stu.lif/reslifeguide)” and the "Student Code of Conduct (http://www.wcupa.edu/codeOfConduct)," which contain valuable information on all services, policies, and responsibilities pertaining to all housing facilities. The Office of Residence Life and Housing Services (http://www.wcupa.edu/residenceLife) is located in 202 Lawrence Center, 610-436-3307.
On-Campus Housing
The University-owned residence halls on the North Campus provide accommodations for approximately 1,600 students in primarily double-occupancy accommodations. In addition, the University-owned South Campus apartment complex houses almost 500 residents in four- or five-person, fully furnished units with each bedroom having either single or double occupancy. The University also operates the College Arms Apartments which have units for one to four people. Arrangements for all housing options are made for the academic year.

The University, through University Student Housing (USH) (http://www.wchuhousing.com), also offers other housing options on campus that are referred to as affiliated housing. Suite-style residence halls on North Campus, including University, Allegheny, Brandywine, and Commonwealth halls, as well as The Village and East Village, which are apartment communities on South Campus, provide accommodations on a space-available basis. These facilities offer all the same opportunities found in University-owned housing, but are managed by USH.

Housing Assignments
The Office of Residence Life and Housing Services (http://www.wcupa.edu/residenceLife) makes the housing assignments for all students living in all University-owned housing. University Student Housing (http://www.wchuhousing.com) handles assignments for all six affiliated-housing communities. All assignments are made without discrimination. Only individuals of the same gender will be assigned as roommates, suite mates, or in the same apartment unit. Each room has basic furnishings for comfortable living, and the students may make them more homelike with their own accessory additions. During orientation, students are informed about the services and equipment furnished by the University and those necessities that they must supply for themselves. Lounge and recreation areas, television, and a variety of other facilities and conveniences provide a pleasant setting for student life in each residence hall. Services are also available in a central location in the apartment communities.

Transfer Students
Transfer students are admitted both as resident students and as commuting students. Those transfer students who desire on-campus housing should indicate this at the time they apply for admission to the University.

Married Students
The University has no housing facilities for married students with their spouses or for students with children or dependents. Prior to registration, they will need to secure their own accommodations in the community.

Readmitted Students
Students readmitted to the University are eligible for on-campus housing as space permits unless a specific disciplinary sanction would prohibit such occupancy. Interested students should contact the Office of Residence Life and Housing Services (http://www.wcupa.edu/residenceLife) for specific information about the application process.

Policy for Withdrawals
Resident students must vacate their University-owned residence hall or apartment within 24 hours of completing the withdrawal form in the Office of the Registrar. Resident students must secure the signature of the associate director of housing and dining administration prior to vacating their residence hall or apartment. Information regarding withdrawals from affiliated housing may be obtained by calling 610-430-4988.

Students with Disabilities
Students must be able to care for themselves independently or arrange for services that will allow them to perform normal life functions in the context of a residential setting, including, but not limited to, bathing, dressing, and other personal-care issues. This requirement may be met by having a personal-care attendant either live in or live off the premises, within certain restrictions. Some accommodations are also available for students who have special needs. Additional information, including available services and penalties for noncompliance, can be obtained by contacting the associate director of housing and dining administration at 610-436-3307. The full text of the policies and procedures are found in the WCU Handbook on Disabilities, "The Guide to Residential Living," or on the University web page at www.wcupa.edu/residenceLife.

STUDENT ACTIVITIES
Student Activities on Campus
Student Activities at West Chester University encompass a wide range of cultural, social, educational, and recreational programs for a diverse student population.

The Student Services Inc. (SSI) Office of Student Activities takes a leadership role in organizing and sponsoring joint or individual programs as part of its mission. The Coordinator of Student Activities oversees the Student Activities Council (SAC), the leading campus activities organization which coordinates current movies, concerts, trips, national and cultural entertainment, and special events such as Banana Day, a WCU tradition. In addition, the Coordinator of Student Activities overssees the Major Entertainment and Homecoming Weekend Committee and also serves as the co-coordinator for the Sykes After Dark (http://www.wcupa.edu/sykesAfterDark) late-night programming series. The Office of Student Activities is located in 236 Sykes Union; the phone number is 610-436-3037.

Student Leadership and Involvement
The Office of Student Leadership and Involvement is responsible for the registration and coordination of more than 300 recognized student clubs and organizations on campus. In conjunction with the Student Leadership Project Team, the office also creates and implements a multidimensional student leadership program. Please see the website at http://ramconnect.wcupa.edu. The office is located in 238 Sykes Student Union, 610-436-2117.

Intercollegiate Athletic Program
West Chester University’s Department of Athletics (http://www.wcupagoldenrams.com) affirms academic excellence as the cornerstone in the life of the student-athlete, placing the highest priority on the overall quality of the educational experience. By strengthening the integration of athletic program objectives with academic and developmental goals, athletics support the University’s mission to meet student needs and interests.

Participation in athletics can serve to strengthen the student’s integrity, sense of fairness, respect for others, and dedication to goals. It also can provide the opportunity for enhancing interpersonal leadership skills. Both men and women can choose from a broad variety of team and individual sports. In addition, academic support services are available for student-athletes, underscoring the commitment to scholastic success.

The women’s intercollegiate athletic programs include basketball, cross country, field hockey, golf, gymnastics, indoor track, lacrosse, rugby, soccer, softball, swimming and diving, tennis, outdoor track and field, and volleyball. The men’s intercollegiate athletic programs include baseball, basketball, cross country, football, golf, indoor track, soccer, swimming and diving, tennis, and outdoor track and field.

West Chester University is a Division II member of the National Collegiate Athletic Association (NCAA), the Eastern College Athletic Conference, and the Pennsylvania State Athletic Conference. The women’s rugby team (the first NCAA Division II program in the country) is part of the Mason-Dixon Conference.
The Department of Athletics is located in the Sturzebecher Health Sciences Center on South Campus, which has won national acclaim for the quality and extent of its teaching, performance, and research facilities. Of special note is the one-acre gymnarium, and a natatorium with two full-size swimming pools connected by a diving well.

This center is surrounded by John A. Farrell Football Stadium, Sercpi Baseball Stadium, South Campus Softball Complex, practice and playing fields, and tennis courts. A new lighted artificial surface athletic field was completed in the fall of 2004 and was dedicated in 2008 as Vonnie Gros Field. It serves as the home of the field hockey program as well as the women’s lacrosse team. It also is used as practice space for other varsity teams, and as a center for recreation and intramurals. In the fall of 2006, a new state-of-the-art turf football field and outdoor track were installed at Farrell Stadium.

Service-Learning and Volunteer Programs

The Office of Service-Learning and Volunteer Programs (http://www.wcupa.edu/serviceVolunteerPrograms) supports faculty utilizing community engaged learning within their academic courses, as well as assists student clubs and organizations planning community service activities. Working directly with more than 200 local agencies, the department coordinates and provides a listing of volunteer opportunities for students, staff, and faculty. Throughout the year special service projects are planned, and the entire campus is invited to participate. West Chester University is a member of Pennsylvania Campus Compact and a recipient of the President’s Higher Education Community Service Honor Roll. In 2010 West Chester University was selected to receive the Community Engagement Classification from the Carnegie Foundation for the Advancement of Teaching. The Office of Service-Learning and Volunteer Programs may be contacted at 610-436-3379 or www.wcupa.edu/serviceVolunteerPrograms.

Alumni Association

The West Chester University Alumni Association (https://www.wcupa.edu/alumni) is an organization of more than 80,000 graduates of the University.

The purpose of the Alumni Association is to promote the interests of West Chester University in all areas of academic, cultural, and social needs, to strengthen the Alumni Association through a strong network of graduates, and to increase the awareness of the University’s needs. The Alumni Association sponsors many activities on campus each year: Welcome to West Chester Day and Homecoming in the fall, Alumni Weekend in the spring, and Senior Days in December and May. The West Chester University Magazine, published three times each year, provides alumni with information on their classmates and events of interest.

The WCUA also provides an Alumni Online Community with easy access to calendars, event registration, news, updates, and an alumni directory.

STUDENT AFFAIRS INFORMATION

Student Affairs

West Chester University Student Affairs (https://www.wcupa.edu/_services/STU/default.aspx) staff are educators who design and facilitate high-quality co-curricular experiences to develop students’ personal, professional, and intellectual talents, preparing them to learn, lead, and serve.

Offices within the Student Affairs Division include Athletics, Campus Recreation, Counseling and Psychological Services, Dining, Fraternity and Sorority Life, Lawrence A. Dowdy Multicultural Center, LGBTQA Services, New Student Programs, Off Campus and Commuter Services, Residence Life and Housing Services, Service-Learning and Volunteer Programs, Student Activities, Student Assistance, Student Conduct, Student Health Center, Student Leadership and Involvement, Sykes Student Union, Twardowski Career Development Center, Center for Women and Gender Equity, and Wellness Promotion.

The administration believes that students should share the responsibility for governing their community and should have a voice in shaping the objectives of the University. Through a democratically constructed student government and committee structure, the administration, faculty, and student body seek to work together on behalf of the general welfare of the University.

Classification of Students

Students who attend West Chester University are classified for administrative purposes into two categories.

Resident Student

These students live in housing facilities operated by the University or by arrangements made through University Student Housing, LLC, a subsidiary of the West Chester University Foundation. Residents of North Campus residence halls are required to choose from four University meal plans. (See “Meal Fee” on pages 10-11.) Those residents living in the South Campus apartment communities and the College Arms Apartments are not required to purchase a meal plan; however, they may choose any meal plan option if they are interested.

Off-Campus Student

This classification covers students who travel or commute to and from their legal residences, as well as students who live away from the homes of their parents or legal guardians in a dwelling that is not supervised or approved by the University.

STUDENT ORGANIZATIONS

Each summer, an updated “Directory of Student Organizations” is printed that includes the names, addresses, and telephone numbers of all presidents and advisors of more than 300 campus student organizations. For a comprehensive description of WCU student organizations, refer to http://ramconnect.wcupa.edu or contact the Office for Student Leadership and Involvement (http://wcu.orgsync.com), 238 Sykes Student Union, 610-436-2117. The following is the official list of all student organizations that were registered during the 2017–2018 academic year:

Student Governing Organizations

Black and Latino Greek Council
Interfraternity Council
Off-Campus and Commuter Association
Panhellenic Council
Residence Hall Association
Sports Club Council
Student Government Association
Sykes Union Advisory Board

Academic/Professional Organizations

Accounting Society
Actuary Society
Adapted Physical Education Club
Alchemist Club
American Institute of Graphic Arts
American Marketing Association
American Society of Microbiology, Student Branch
Anthropology Club of WCU
Arabic Club
Association of Black Social Workers
Athletic Training Club
Chinese Club
Collegiate Entrepreneurs’ Organization
Computer Science Club
Council for Exceptional Children/Special Education
Criminal Justice Association–Sigma Tau Omicron
Darlington Biological Society
Earth Space and Science Club
Economics and Finance Society
English Club
Environmental Health Club
Exercise Science Club
Forensics Speech and Debate Team of WCU
French Club
Gender Studies Club
Geography and Planning Club
German Club
History Club
Honors Student Association
Institute of Management Accountants
Investment Group of WCU
Italian Club
Japanese Club
Linguistics Club
Minorities and Medicine
National Association of Black Accountants
National Council of Teachers of English
National Student Speech, Hearing and Language Association
Net Impact
Pharmaceutical Product Development Club
Philosophy Club
Pre-Dental Society
Pre-Law Society
Pre-Med Club
Psychology Club
Public Relations Student Society of America (PRSSA)
Public Speaking Club
Russian Club
Social Work Club
Society of Physics Students
Sociology Club–Delta Alpha Tau
Spanish Club
Sports Nutrition Organization
Student Dietetic Association
Students in Communication
Student Nurses’ Association of Pennsylvania (SNAP)
Student Pennsylvania State Education Association, WCU
Students Promoting Excellence in Mathematics Education at WCU
University Avenue Math Club
University Dance Company
University Theatre
Women in Business
Women in Computer Science Club
Women in Science

Special Interest Organizations

Active Minds
American Sign Language Club
Animal Advocates Club
Animal Behavior Club
Anime Club
Art Club
Astronomy Club
Bhakti Yoga Club
BODY Peace (Be One Desired You)
Breakdancing Club
Campus Recreation Club
Chess Club
Creative Writing Club
Diabetes Awareness at WCU
e-Sports Club of WCU
Feel Good, WCU
Female Health & Fitness Club
Fraternal Programming Board
Hogwarts Houses
Homecoming
Improv Club
Irish Dancing Club
KSTAN Bollywood Dance Club
LEAD (Leadership, Empowerment, and Development)
League of Legends E-Sports Club
Major Entertainment
Outdoor Club
Photography Club
Poise Beauty Club
Precise
Public Health Club
Purple and Gold Club
RAM Recovery
Sister to Sister Peer Mentor Program
SlowFood, WCU
Student Activities Council
Student Athletic Advisory Committee
Student Veterans of America, WCU
SuperMoms of WCU
Swing Dance Club
To Write Love On Her Arms
Veg Out Club
Video Game Club

Social Equity/Diversity

AFRISA (African Student Alliance)
Asian Student Association
Association for Women & Men’s Empowerment
Black Men United
Black Student Union
C.A.L.Y.P.S.O.
Hillel Jewish Student Union
Indian-American Association
International Student Association
LASO (Latino American Student Organization)
SAGA (Sexuality and Gender Alliance)
Sisters United
Undivided

Political/Activism

College Democrats
College Republicans
EARTH (Environmental Association for Repairing the Habitat)
NAACP of West Chester University
Students for a Democratic Society
Students for Liberty

Religious Organizations

Armenian Student Association
Bridges International
CRU
Catholic Newman Student Association/Center
Fellowship of Christian Athletes
Gospel Choir Ministries
Hillel Jewish Student Union
Impact Movement
Lutheran Student Association
Muslim Student Association
Young Life

Service Organizations

The Abbé Society
Alpha Phi Omega
Autism Speaks
Best Buddies
Bringing Hope Home
Circle K International
Colleges Against Cancer
Emergency Medical Services
Friars' Society
Habitat for Humanity
MEDLIFE at WCU
Phi Sigma Pi
Red Cross Club
Rotaract
Student Outreach to Urban Schools
Thanking & Assisting Patriotic Service Members (TAPS)
12+ Club

Greek Letter Organizations

Fraternities
Alpha Epsilon Pi
Alpha Phi Alpha
Alpha Tau Omega
Delta Chi
Kappa Alpha Psi
Kappa Delta Rho
Kappa Sigma
Lambda Alpha Upsilon
Omega Psi Phi
Phi Beta Sigma
Phi Gamma Delta
Pi Kappa Alpha
Pi Kappa Phi
Sigma Alpha Epsilon
Sigma Chi
Sigma Phi Epsilon

Sororities
Alpha Delta Pi
Alpha Kappa Alpha
Alpha Phi
Alpha Sigma Alpha
Alpha Sigma Tau
Chi Upsilon Sigma
Delta Phi Epsilon
Delta Sigma Theta
Delta Zeta
Kappa Delta
Lambda Theta Alpha
Mu Sigma Upsilon
Phi Sigma Sigma
Sigma Gamma Rho
Sigma Lambda Gamma
Zeta Phi Beta
Zeta Tau Alpha

Publications and Media Organizations
Daedalus
The Quad
The Serpentine
WCU Studios
WCUR–West Chester University Radio

Sports Clubs
Barbell Club
Bowling Club
Climbing Team of WCU
Crossfit Club
Dance Team
Equestrian
Fencing
Field Hockey

Fishing Club
Ice Hockey–Men
Ice Hockey–Women
Judo Club
Kronum
Lacrosse–Men
Lacrosse–Women
Quidditch Club
Roller Hockey–Men
Rugby–Men
Ski and Snowboard Club
Soccer–Men
Soccer–Women
Swim Club
Trap & Skeet Club
Triathlon Club
Ultimate Frisbee Club - Men
Ultimate Frisbee Club - Women
Volleyball–Men
Volleyball–Women
Water Polo–Men
Water Polo–Women
Wrestling

Musical Organizations
A Chorus Line Company
American Choral Directors Association
American String Teachers Association
Cello Ensemble
GraceNotes
High Street Harmonix
Kappa Kappa Psi
Music Teachers National Association (MTNA)
National Association for Music Education Collegiate (NAfME)
Now Music Society
Phi Mu Alpha Sinfonia
SIGMA (Swope Inter-Greek Music Association)
Sigma Alpha Iota
Sixth Man Basketball band
Songwriter's Club
Suspensions
Tau Beta Sigma
Under a Rest Co-Ed A Capella

Honor Societies
Accounting–Beta Alpha Psi
Anthropology - Lambda Alpha Nu
Art – Kappa Pi
Business – Beta Gamma Sigma
Chemistry - Gamma Sigma Epsilon
Communication Studies–Pi Kappa Delta
Communications–Lambda Phi Eta
Computer Science - Upsilon Pi Epsilon
Criminal Justice–Alpha Phi Sigma
Economics–Omicron Delta Epsilon
Education–Kappa Delta Pi
Educational Services - Chi Alpha Epsilon
English–Sigma Tau Delta
Foreign Languages–Alpha Mu Gamma
French–Pi Delta Phi
Geography–Gamma Theta Upsilon
Geology–Sigma Gamma Epsilon
Hispanic–Sigma Delta Pi
History–Phi Alpha Theta
Kinesiology–Phi Epsilon Kappa
Leadership–Omicron Delta Kappa
Literacy (Reading)–Alpha Upsilon Alpha
MANAGEMENT--SIGMA IOTA EPSILON
MATHEMATICAL SCIENCES--PI MU EPSILON
MUSIC--PI KAPPA LAMBDA
NURSING--SIGMA THETA TAU
PHYSICS--SIGMA PI EPSILON
POLITICAL SCIENCE--PI SIGMA ALPHA
PRE-MEDICAL--PHI DELTA EPSILON
PRE-LAW--PHI ALPHA DELTA
PSYCHOLOGY--PSI CHI
SOCIAL SCIENCE--GIAMMA MU
SOCIAL WORK--PHI ALPHA
SOCIOLOGY--ALPHA KAPPA DELTA
THEATRE ARTS--ALPHA PSI OMEGA
WOMEN & GENDER STUDIES--IOTA IOTA IOTA

GRADUATE ORGANIZATIONS

Graduate Student Association
Philosophy Graduate Student Association
Rhetoric Society of America
Counseling--Chi Sigma Iota
Student Affairs--Chi Sigma Alpha

TRANSPORTATION

Bus Transportation on Campus
The University provides bus service from North to South Campus (and return) during the spring and fall semesters. The buses run from 7:15 a.m. to 2 a.m. on weekdays, and from 10 a.m. to 2 a.m. on weekends. On North Campus, the buses stop in front of Ehinger Gymnasium on Church Street and in front of Wayne Hall. On South Campus the buses stop at the Sturzebecker Health Sciences Center, South Campus Apartments, The Village, East Village, and Q and R Lots (upon request). Bus schedules are available at residence hall desks, Public Safety, Sykes Student Union Information Center, or on the web. Limited bus service also is available during the first and second summer sessions (see schedule for dates and times). There is no bus service during the winter session.

Students using the bus service should be advised that it is impossible to provide timely transportation between North and South Campus within the standard 10-minute class break. Therefore, students should plan and develop class schedules that allow time to be transported between the two campuses through the use of open class periods.

An accessible bus containing a wheelchair lift is available for mobility-impaired students. Details on how to access this service are available on the website, http://www.wcupa.edu/shuttlebus or search “accessible bus.”

Vehicle Registration
All University parking lots require a current University parking permit or temporary visitor pass to be displayed on all vehicles. Visitors to campus are asked to park in the Sharpless Street Garage located at Sharpless and Church streets. All employees and eligible students desiring to use designated parking lots must register their vehicle with the Department of Public Safety Parking Services Office and purchase/obtain a parking permit. Parking permits are nonrefundable and may only be used by the registered purchaser. Permits are not transferable between individuals nor may they be resold. All West Chester University parking permits are the property of West Chester University.

The annual registration fee is established by the Council of Trustees. For parking regulations, "annual" is defined as September 1 until August 31 of the following year. Specific registration procedures will be announced yearly. A valid WCU ID/drive’s license and vehicle registration must be presented at the time of registration. The parking permit is to be displayed properly from the rear view mirror as stated on the reverse side of the permit. Mutilated, defaced, lost, or stolen permits must be replaced. Contact the Public Safety Parking Services Office for the procedure and cost of replacing the permit. The operation and registration of a vehicle must conform to Commonwealth of Pennsylvania vehicle law and University regulations. For complete motor vehicle regulations pamphlet available at Public Safety or on the Department of Public Safety (http://www.wcupa.edu/dps) website.

Students are required to purchase the appropriate parking permit depending on whether they are commuter or resident students. Student parking lots do not require a permit from 4 p.m. through midnight any day of the week throughout the year. Commuter students who have classes during that time do not need to purchase a parking permit.

INTERNATIONAL EDUCATION, PROGRAMS, AND SERVICES
The Center for International Programs (CIP) was established in 1973. The CIP provides essential support services for international students, visiting scholars, education abroad, and the National Student Exchange. The CIP seeks to develop, serve and support international education at West Chester University (WCU) as a way of building understanding and peaceful cooperation between peoples, cultures, and nations. The CIP exists to assist international students gain entry to WCU, to serve these students once enrolled, and to educate U.S. students globally by fostering opportunities for education abroad and exchange programs.

The experienced CIP advising staff assists international students during their transition to American higher education and life at WCU. The CIP can provide basic information and assistance with a variety of other visa classifications. Advisors connect new and current international students and help them make a comfortable transition to the University. The staff provides continuous immigration guidance and support throughout the duration of the student’s academic program.

This school is authorized under federal law to enroll nonimmigrant alien students. The CIP also maintains certification from the Student and Exchange Visitor Program (SEVP) to issue immigration documents leading to F and J visas as well as coordinates the University-based English as a Second Language (ESL) program.

The Center for International Programs is located on the 3rd Floor in Mitchell Hall. More information is available by visiting The Center for International Programs (http://www.wcupa.edu/international) website, calling 610-436-3515, or e-mailing international@wcupa.edu.

ACADEMIC DEPARTMENTS AND PROGRAMS

DEPARTMENT OF ACCOUNTING

College of Business and Public Management

410 Business and Public Management Center
50 Sharpless Street
West Chester, PA 19383
610-436-3460

Department of Accounting (http://www.wcupa.edu/business-publicManagement/accounting)
Richard Barndt (rbarndt@wcupa.edu), Chairperson

The primary objective of the Department of Accounting is to provide quality academic instruction and advising to students enrolled in business programs. For the accounting major, the department prepares students to be professional accountants by providing the skills and knowledge necessary to perform competitively on national certification examinations, and to be proficient in performing a wide variety of accounting-related tasks in both public accounting and industry, as well as assume leadership roles in accounting and business.

The department prepares accounting graduates to:
To apply for their business major, students must:

1. Understand basic accounting concepts
2. Critically analyze accounting problems and develop solutions
3. Use quantitative methods and technology to analyze accounting problems
4. Effectively communicate information of an accounting nature through written and oral presentation
5. Effectively interact with others as part of a team
6. Understand the importance of ethical decision making in accounting
7. Understand the impact of globalization on accounting

The Department of Accounting offers a full program of accounting courses designed to prepare a student for entrance into the fields of public, private, or governmental accounting. Students successfully completing the curriculum should be adequately prepared to take the Certified Public Accountant (CPA) and Certified Management Accountant (CMA) examinations.

The following applies for students entering into the accounting major:

- All freshmen, external transfer students, and current WCU students who have not completed all prerequisites will be admitted to the pre-business accounting major and be advised by pre-business counselors.
- Current WCU students who complete all prerequisites will be admitted into the accounting major once grades are posted.

**Programs**

**Majors in Accounting**

- B.S. in Accounting (p. 141)

**Minors in Accounting**

- Accounting (p. 143)
- White Collar Crime (p. 143)

**Graduate Opportunities**

See the graduate catalog for more information on the Master of Business Administration programs. (http://catalog.wcupa.edu/undergraduate/business-public-management/business-administration)

**Policies**

- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

**Prerequisites for Entry into the Business Majors: Accounting, Economics, Finance, Management and Marketing**

To apply for their business major, students must:

1. Complete ECO 111, ECO 112, ECO 251, MKT 200, MKT 250, and ACC 201 with a C or better in each course
2. Pass and complete both MAT 113 and MAT 143 with a C or better required in at least one of them. If a student is placed directly into MAT 143 and receives a C or higher or has completed MAT 161 or MAT 162 with a C or better, then the student does not have to take MAT 113 (replaced as a free elective).
3. Have a minimum overall GPA of 2.50
4. Pass an Excel basic skills exam with an 88% or better
5. Have at least 45 credit hours.

These requirements must be met to be eligible to register for 300 and 400 level business courses. The same rules apply to all transfer students, both internal (those from within the University) and external (those from a non-WCU institution).

**Accounting Major Graduation Policies**

To progress in the Department of Accounting’s major program, students must maintain a 2.50 overall GPA. To graduate with an earned degree from the program, students must have a 2.50 overall GPA.

**Accounting Minor Policies**

To be admitted into the Accounting Minor or White Collar Crime Minor programs, students must have an overall GPA of 2.50. Once admitted to one of the minors, a 2.50 overall GPA must be maintained in order to graduate with the earned degree.

**Faculty**

**Professors**

- Anthony Cataldo (acataldo@wcupa.edu) (2007)
- B.S., B.A., M.Acc., University of Arizona; Ph.D., Virginia Polytechnic Institute and State University
- Robert P. Derstine (rderstine@wcupa.edu) (2013)
- B.S.B.A., M.B.A., Drexel University; Ph.D., State University of New York at Buffalo
- Lori Fuller (lfuller2@wcupa.edu) (2009)
- B.A., University of Oklahoma; Ph.D., Arizona State University
- Peter Oehlerls (poehlers@wcupa.edu) (2004)
- B.S., Rowan University; M.B.A., Drexel University; D.B.A., Louisiana Tech University

**Associate Professors**

- Sean Andre (sandre@wcupa.edu) (2016)
- B.A., M.A., Ph.D., University of Wisconsin, Madison
- Richard Barndt (rbarndt@wcupa.edu) (2010)
- Chairperson, Accounting
- B.S., M.B.A., La Salle University; Ed.D., Widener University
- Joy Embree (jembree@wcupa.edu) (2016)
- M.B.A., University of Akron; Ph.D., University of Nebraska–Lincoln; C.P.A., Wyoming
- Kevin E. Flynn (kflynn@wcupa.edu) (1998)
- B.S. Miami University of Ohio; M.S., Drexel University; Ph.D., Drexel University

**Instructors**

- Phyllis A. Belak (pbelak@wcupa.edu) (2013)
- B.S., West Chester University of Pennsylvania; M.B.A., Drexel University
- Glenn S. Soltis (gsoltis@wcupa.edu) (2013)
- B.S., Villanova University; M.B.A., Drexel University

**Courses**

**ACC**

ACC 201. Financial Accounting. 3 Credits.

Introduction to financial accounting. A conceptual approach to recording, summarizing, presenting, and evaluating the financial affairs of a business. Distance education offering may be available. Typically offered in Fall, Spring & Summer.
ACC 202. Managerial Accounting. 3 Credits.
Introduction to management accounting. Accumulating, processing, and interpreting financial data to be used as a basis for making managerial decisions in a business firm.
Pre / Co requisites: ACC 202 requires prerequisite of ACC 201.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

ACC 300. Fraud Examination for Managers. 3 Credits.
Introduces tools necessary to understand the prevention, detection, and investigation of fraud. The course utilizes an interdisciplinary approach to develop and integrate students' knowledge of law, criminal justice, and the basic concepts of accounting for the purpose of obtaining a comprehensive view of fraud.
Pre / Co requisites: ACC 300 requires prerequisite of ACC 201 and minimum 2.50 CUM GPA.
Gen Ed Attribute: Interdisciplinary Requirement.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

ACC 301. Intermediate Accounting I. 3 Credits.
Analysis and evaluation of asset, liability, and equity accounts. Emphasis on understanding income recognition and solvency issues.
Pre / Co requisites: ACC 301 requires prerequisite of ACC 202 and minimum 2.50 CUM GPA.
Typically offered in Fall, Spring & Summer.

ACC 302. Intermediate Accounting II. 3 Credits.
Continuation of ACC 301.
Pre / Co requisites: ACC 302 requires prerequisite of ACC 301 and minimum 2.50 CUM GPA.
Typically offered in Fall, Spring & Summer.

ACC 303. Cost Accounting I. 3 Credits.
Techniques of product unit cost determination and uses of cost data in managerial decisions.
Pre / Co requisites: ACC 303 requires prerequisite of ACC 202 and minimum 2.50 CUM GPA.
Typically offered in Fall, Spring & Summer.

ACC 305. Intermediate Accounting III. 3 Credits.
Continuation of ACC 302.
Pre / Co requisites: ACC 305 requires prerequisite of ACC 302 and minimum 2.50 CUM GPA.
Typically offered in Fall, Spring & Summer.

ACC 313. Case Studies in Financial Fraud. 3 Credits.
A case study approach to an in-depth analysis of accounting fraud and the accompanying breakdown in ethics.
Pre / Co requisites: ACC 313 requires prerequisite of ACC 201.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

ACC 320. Accounting Information Systems. 3 Credits.
Accounting information systems development, processing, and controls with emphasis on current computer-based systems and programs used in accounting fields.
Pre / Co requisites: ACC 320 requires prerequisites of ACC 201 and minimum 2.50 CUM GPA.
Typically offered in Fall, Spring & Summer.

ACC 400. Internship. 3-6 Credits.
The business internship for students in accounting enhances the student's educational experience by providing a substantive work experience in the business world.
Pre / Co requisites: Minimum 2.50 CUM GPA.
Consent: Permission of the Department required to add.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.
Repeatable for Credit.

ACC 401. Auditing. 3 Credits.
Introduces the fundamentals of attestation and other assurance services. The course predominately features external audits of historic financial statements.
Pre / Co requisites: ACC 401 requires prerequisite of ACC 302 and minimum 2.50 CUM GPA.
Typically offered in Fall, Spring & Summer.

ACC 403. Federal Taxation I. 3 Credits.
A study of individual federal income taxation, with some business application. Compliance with the rules and regulations of federal income taxation for individuals is emphasized.
Pre / Co requisites: ACC 403 requires prerequisite of ACC 202 and minimum 2.50 CUM GPA.
Typically offered in Fall, Spring & Summer.

ACC 404. Federal Taxation II. 3 Credits.
A study of the rules and regulations for federal income taxation as it pertains to C corporations, S corporations, partnerships, property transactions, retirement income, as well as federal gift and estate taxation. Emphasis is placed on compliance with the federal tax laws.
Pre / Co requisites: ACC 404 requires prerequisite of ACC 403 and minimum 2.50 CUM GPA.
Typically offered in Fall, Spring & Summer.

ACC 405. Advanced Accounting. 3 Credits.
In depth study of a variety of advanced accounting topics including: segment and interim reporting; corporations in financial difficulty; partnership accounting; corporate acquisitions, investments, and interests; consolidations; and foreign currency transactions.
Pre / Co requisites: ACC 405 requires prerequisite of ACC 302 and minimum 2.50 CUM GPA.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

ACC 407. Not-For-Profit & Governmental Accounting. 3 Credits.
A study of accounting principles and procedures used by state and local governments as well as private not-for-profit and healthcare organizations.
Pre / Co requisites: ACC 407 requires prerequisite of ACC 301 and minimum 2.50 CUM GPA.
Typically offered in Fall, Spring & Summer.

ACC 410. Directed Studies in Accounting. 1-3 Credits.
Special research projects, reports, and readings in accounting.
Pre / Co requisites: ACC 410 requires prerequisite: ACC 201 and ACC 202 and minimum cum GPA of 2.50.
Consent: Permission of the Department required to add.
Gen Ed Attribute: Writing Emphasis.
Distance education offering may be available.
Repeatable for Credit.

ACC 415. Professional Accounting. 3 Credits.
This course is intended to develop and implement students' knowledge currently required for professional accounting careers.
Pre / Co requisites: ACC 415 requires prerequisite ACC 201 and ACC 202 and minimum GPA 2.50 or permission of instructor.

B.S. IN ACCOUNTING

College of Business and Public Management

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

- English Composition requirements: 6
- Mathematics requirement: 3

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 115</td>
<td>Algebra, Functions, and Trigonometry</td>
</tr>
<tr>
<td>MAT 113</td>
<td>Algebra and Functions</td>
</tr>
<tr>
<td>MAT 143</td>
<td>Brief Calculus</td>
</tr>
<tr>
<td>MAT 131</td>
<td>Pre-Calculus</td>
</tr>
<tr>
<td>MAT 161</td>
<td>Calculus</td>
</tr>
</tbody>
</table>

- Public Speaking requirement: 3
  - SPK 208 Public Speaking
  - SPK 230 Business and Professional Speech Communication

- Behavioral & Social Science requirements: 6
  - ECO 111 Principles of Economics (Macro)

- Science requirements: 6
- Humanities requirements: 6
- PHI 101 Introduction to Philosophy
- PHI 150 Critical Thinking and Problem Solving
- PHI 180 Introduction to Ethics

- Arts requirement: 3
- Diverse Communities requirement: 3
- Interdisciplinary requirement: 3
- Student electives: 9
- Writing Emphasis requirements: 9
Effective for Students Entering Major Fall 2015 & After

### Major Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 201</td>
<td>Financial Accounting ¹</td>
<td>3</td>
</tr>
<tr>
<td>ACC 202</td>
<td>Managerial Accounting ¹</td>
<td>3</td>
</tr>
<tr>
<td>ACC 301</td>
<td>Intermediate Accounting I ¹</td>
<td>3</td>
</tr>
<tr>
<td>ACC 302</td>
<td>Intermediate Accounting II ¹</td>
<td>3</td>
</tr>
<tr>
<td>ACC 303</td>
<td>Cost Accounting I ¹</td>
<td>3</td>
</tr>
<tr>
<td>ACC 305</td>
<td>Intermediate Accounting III ¹</td>
<td>3</td>
</tr>
<tr>
<td>ACC 320</td>
<td>Accounting Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>ACC 401</td>
<td>Auditing ¹</td>
<td>3</td>
</tr>
<tr>
<td>ACC 403</td>
<td>Federal Taxation I ¹</td>
<td>3</td>
</tr>
<tr>
<td>ACC 404</td>
<td>Federal Taxation II ¹</td>
<td>3</td>
</tr>
<tr>
<td>ACC 405</td>
<td>Advanced Accounting ¹</td>
<td>3</td>
</tr>
<tr>
<td>ACC 407</td>
<td>Not-For-Profit &amp; Governmental Accounting ¹</td>
<td>3</td>
</tr>
<tr>
<td>BLA 201</td>
<td>Legal Environment of Business ¹</td>
<td>3</td>
</tr>
<tr>
<td>ECO 112</td>
<td>Principles of Economics (Macro) ¹</td>
<td>3</td>
</tr>
<tr>
<td>ECO 251</td>
<td>Business Analytics I ¹</td>
<td>3</td>
</tr>
<tr>
<td>ECO 351</td>
<td>Business Analytics II ¹</td>
<td>3</td>
</tr>
<tr>
<td>FIN 325</td>
<td>Corporate Finance</td>
<td>3</td>
</tr>
<tr>
<td>MGT 200</td>
<td>Principles of Management ¹</td>
<td>3</td>
</tr>
<tr>
<td>MGT 313</td>
<td>Business and Society ¹</td>
<td>3</td>
</tr>
<tr>
<td>MGT 341</td>
<td>Production and Operations Management ¹</td>
<td>3</td>
</tr>
<tr>
<td>MGT 499</td>
<td>Business Policy and Strategy</td>
<td>3</td>
</tr>
<tr>
<td>MKT 250</td>
<td>Principles of Marketing ¹</td>
<td>3</td>
</tr>
<tr>
<td>MAT 143</td>
<td>Brief Calculus ² or MAT 161</td>
<td>3</td>
</tr>
<tr>
<td>or MAT 161</td>
<td>Calculus I</td>
<td></td>
</tr>
<tr>
<td>WRT 120</td>
<td>Effective Writing I</td>
<td>3</td>
</tr>
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</table>

**Required Courses for Major:** 120 Credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ECO 111</td>
<td>Principles of Economics (Macro) ¹</td>
<td>3</td>
</tr>
<tr>
<td>ECO 112</td>
<td>Principles of Economics (Micro) ¹</td>
<td>3</td>
</tr>
<tr>
<td>ECO 251</td>
<td>Business Analytics I ¹</td>
<td>3</td>
</tr>
<tr>
<td>ECO 351</td>
<td>Business Analytics II ¹</td>
<td>3</td>
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</tr>
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<td>MGT 200</td>
<td>Principles of Management ¹</td>
<td>3</td>
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<tr>
<td>MGT 313</td>
<td>Business and Society ¹</td>
<td>3</td>
</tr>
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<td>Production and Operations Management ¹</td>
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<tr>
<td>MGT 499</td>
<td>Business Policy and Strategy</td>
<td>3</td>
</tr>
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<td>MKT 250</td>
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</tr>
<tr>
<td>or MAT 161</td>
<td>Calculus I</td>
<td></td>
</tr>
</tbody>
</table>

### Related/Cognate Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 143</td>
<td>Brief Calculus ² or MAT 161</td>
<td>3</td>
</tr>
<tr>
<td>or MAT 161</td>
<td>Calculus I</td>
<td></td>
</tr>
</tbody>
</table>

### Sample Course Plan

**To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.**

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

### Effective for Students Entering Major Fall 2015 & After

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 111</td>
<td>Principles of Economics (Macro) ¹</td>
<td>3</td>
</tr>
<tr>
<td>ECO 112</td>
<td>Principles of Economics (Micro) ¹</td>
<td>3</td>
</tr>
<tr>
<td>ECO 251</td>
<td>Business Analytics I ¹</td>
<td>3</td>
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<td>ECO 351</td>
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<tr>
<td>or MAT 161</td>
<td>Calculus I</td>
<td></td>
</tr>
</tbody>
</table>

1. A minimum grade of C must be attained in each of these courses.
2. If either of these MAT courses is completed with a grade of C or better to fulfill general requirements, then a free elective may be substituted.
3. To progress in the accounting major program, students must maintain a 2.50 overall GPA.
4. To graduate, students must have a 2.50 overall GPA.

### Year One

<table>
<thead>
<tr>
<th>Semester One</th>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ECO 111</td>
<td>Principles of Economics (Macro) ¹</td>
<td>3</td>
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</table>

### Year Two

<table>
<thead>
<tr>
<th>Semester Three</th>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 201</td>
<td>Financial Accounting ¹</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Science Elective</td>
<td></td>
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</tr>
<tr>
<td>MKT 250</td>
<td>Principles of Marketing ¹</td>
<td>3</td>
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<tr>
<td>ECO 251</td>
<td>Business Analytics I ¹</td>
<td>3</td>
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<tr>
<td>MGT 200</td>
<td>Principles of Management ¹</td>
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### Year Three

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<tr>
<th>Semester Four</th>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>ACC 202</td>
<td>Managerial Accounting ¹</td>
<td>3</td>
<td></td>
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<tr>
<td>BLA 201</td>
<td>Legal Environment of Business ¹</td>
<td>3</td>
<td></td>
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<tr>
<td>SPK 208</td>
<td>Public Speaking or Business and Professional Speech</td>
<td>3</td>
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<tr>
<td>ECO 351</td>
<td>Business Analytics II ¹</td>
<td>3</td>
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<td>Arts Elective</td>
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### Year Four

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<tr>
<td>ACC 301</td>
<td>Intermediate Accounting I ¹</td>
<td>3</td>
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<tr>
<td>ACC 320</td>
<td>Accounting Information Systems</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MGT 313</td>
<td>Business and Society (W) ¹</td>
<td>3</td>
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<tr>
<td>FIN 325</td>
<td>Corporate Finance ³</td>
<td>3</td>
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<td>Interdisciplinary Elective (I)</td>
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### Year Five

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<td>ACC 302</td>
<td>Intermediate Accounting II ³</td>
<td>3</td>
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<tr>
<td>ACC 303</td>
<td>Cost Accounting ³</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ACC 407</td>
<td>Not-For-Profit &amp; Governmental Accounting ³</td>
<td>3</td>
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<td>Diversity Elective (J)</td>
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<tr>
<td>Free Elective</td>
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### Year Six

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<th>Semester Seven</th>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>ACC 305</td>
<td>Intermediate Accounting III ³</td>
<td>3</td>
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</table>

1. **Accumulated:** 120 Credits
MINOR IN ACCOUNTING

College of Business and Public Management

To be admitted into the accounting minor students must have an overall GPA of 2.5. Once admitted to the minor a 2.5 overall GPA must be maintained.

Required courses ¹
ACC 201  Financial Accounting 3
ACC 202  Managerial Accounting 3
ACC 301  Intermediate Accounting I 3
ECO 111  Principles of Economics (Macro) 3

Electives ¹
ACC 300  Fraud Examination for Managers 3
ACC 302  Intermediate Accounting II 3
ACC 303  Cost Accounting I 3
ACC 305  Intermediate Accounting III 3
ACC 320  Accounting Information Systems 3
ACC 401  Auditing 3
ACC 403  Federal Taxation I 3
ACC 404  Federal Taxation II 3
ACC 405  Advanced Accounting 3
ACC 407  Not-For-Profit & Governmental Accounting 3

Total Credits 18

¹ A minimum grade of C must be attained in each of these courses.

MINOR IN WHITE COLLAR CRIME

College of Business and Public Management

Curriculum

Required Courses ¹
ACC 201  Financial Accounting 3
ACC 300  Fraud Examination for Managers 3
CRJ 312  White Collar Crime 3

Electives ¹ 9
Select any three of the following:
ACC 313  Case Studies in Financial Fraud
CRJ 210  Theories of Crime and Delinquency
CRJ 314  Organized Crime
CRJ 380  Computer Crime
CRJ 435  Interviewing and Assessing the Offender

Total Minimum Credits Required 18

¹ A minimum grade of C must be attained in each of these courses.

AFRICAN AMERICAN STUDIES PROGRAM

School of Interdisciplinary and Graduate Studies
432 Wayne Hall
610-436-2970
African American Studies (http://www.wcupa.edu/africanAmericanStudies)
la tonya thames-taylor (lthames-taylor@wcupa.edu), Director

African American studies is interdisciplinary as well as comparative and cross-cultural. The curriculum offers a critical perspective of the complex interplay among ethical, social, economic, and political forces that influence struggles of African-descended people. Also, the curriculum explores how these people shaped global policies. Moreover, the curriculum explores the consequences of racial thinking.

The African American studies minor attracts students with a wide range of interests. Surveys reveal that students select the minor for four principal reasons:

1. Race and nation building: The study of legal formations of race and ethnicity and their meanings to American and global institutions such as family, education, prisons, and religion provides insight into nation building and the functions of hierarchy, culture, and identity.

2. Public policy: Because American political life remains encumbered by racial bias and its historical legacy, a historical, sociological, and
economic understanding of race relations continues to be vital for those who make, evaluate, and serve as advocates for changes in public policy.

3. African/African American culture and life: The study of a nonwhite group illustrates its contribution to American culture and struggle for democracy.

4. Global ethnicity and economics: The study of the ethno-racial tensions that have developed in countries such as the United States, Cuba, Jamaica, Haiti, Brazil, Liberia, and Nigeria provide important global insights into the plurality of identities and the consequences of economic marginalization and legalized oppression.

Students who graduate with a concentration in African American studies have pursued advanced degrees in fields such as history, literature, political science, and sociology. They also go on to work in a wide variety of careers in education, business, medicine, entertainment, law, public policy, and the arts and sciences.

Programs

Minors in African American Studies
- African American Studies (p. 144)

Policies

- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

Faculty

Associate Professor
Latonya Thames-Taylor (ltaylor@wcupa.edu) (2001)
Director, African American Studies Program
B.A., Tougaloo College; M.A., Ph.D., University of Mississippi

MINOR IN AFRICAN AMERICAN STUDIES

School of Interdisciplinary and Graduate Studies

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>COM 250</td>
<td>Intercultural Communication</td>
<td>3</td>
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<tr>
<td>HIS 373</td>
<td>African-American History</td>
<td>3</td>
</tr>
<tr>
<td>SWO 225</td>
<td>Race Relations</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives

Select 9 semester hours

Total Credits 18

Students may choose courses from the list provided by the department; however, only one course may be used out of the African American literature minor.

For current requirements and a list of approved courses, consult the African American Studies coordinator.

AIR FORCE ROTC (AEROSPACE STUDIES)

School of Interdisciplinary and Graduate Studies

West Chester University students are eligible to participate in the Air Force Reserve Officer Training Corps (AFROTC) through an agreement with Saint Joseph’s University. All aerospace studies courses will be held on the Saint Joseph’s campus. Credits can be transferred to WCU and appear on the official transcript. The AFROTC program enables a college student to earn a commission as an Air Force officer while concurrently satisfying requirements for his or her baccalaureate degree.

Program

The Department of Aerospace Studies at Saint Joseph’s University offers three- and four-year curricula leading to a commission as a Second Lieutenant in the Air Force. In the four-year curriculum, a student takes the General Military Course (GMC) during the freshman and sophomore years, attends a four-week summer training program, and then takes the Professional Officer Course (POC) in the junior and senior years. A student is under no contractual obligation to the Air Force until entering the POC or accepting an Air Force scholarship.

In the three-year curriculum, a student completes AEROSPACE Lab courses during the sophomore year, and then enters the POC in the junior year. The subject matter of the freshman and sophomore years is developed from a historical perspective and focuses on the scope, structure, and history of military power with the emphasis on the development of air power and its relationship to current events. During the junior and senior years, the curriculum concentrates on the concepts and practices of leadership and management, as well as the role of national security forces in contemporary American society.

In addition to the academic portion of the curriculum, each student participates in a two-hour Leadership Laboratory each week. During this period the day-to-day skills and working environment of the Air Force are discussed and explained. The Leadership Lab utilizes a student organization designed for the practice of leadership and management techniques. The labs do not carry course credits and are registered as pass/fail only. Cadets must attend at least 80% of class sessions to receive a passing grade.

Air Force ROTC offers scholarships for two, three, and four years on a competitive basis to qualified applicants. All scholarships are applied to tuition and lab fees, and include a textbook allowance, plus a tax-free monthly stipend which varies from $300 to $500, depending on graduation date.

For further information on the program, scholarships, and career opportunities, contact:

AFROTC Det 750
Saint Joseph’s University
5600 City Avenue
Philadelphia, PA 19131-1399
610-660-3190.

Information is also available on the Saint Joseph’s University AFROTC (http://www.sju.edu/int/academics/cas/afrotc) website.

Policies

- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.
Courses

MSI

MSI 101. Introduction to ROTC. 1 Credit.
This course is designed to teach self-confidence through team study and activities in basic drill, physical fitness, rappelling, leadership reaction course, first aid, making presentations, and basic marksmanship. Includes fundamental concepts of professional leadership in both classroom and outdoor laboratory environments. One hour and a required leadership lab, plus participation in three, one-hour sessions for physical fitness. Participation in a weekend exercise also is required. Typically offered in Fall.

MSI 102. Introduction to Leadership. 1 Credit.
Learn principles of effective leadership. Reinforce self-confidence through participation in physically and mentally challenging exercises with upper-division ROTC students. Develop communication skills to improve individual performance and group interaction. Relate organizational ethical values to the effectiveness of a leader. One hour and a required leadership lab, plus participation in three, one-hour sessions for physical fitness. Participation in a weekend exercise also is required. Typically offered in Spring.

MSI 113. Army Physical Readiness Training. 1 Credit.
This course is designed to provide the necessary information and skills to enable the cadet to participate in and lead fitness activities safely and effectively, which is essential to the Army way of life. This will include discussion of fitness principles and practical application of techniques discussed. The course will investigate methods of improving muscular strength, muscular endurance, cardio respiratory fitness, flexibility and body composition. Pre / Co requisites: MSI 113 requires a corequisite of MSI 201 or MSI 202. Typically offered in Fall & Spring. Repeatable for Credit.

MSI 199. Transfer Credits. 1-50 Credits.
Transfer Credits. Repeatable for Credit.

MSI 201. Self-Team Development. 2 Credits.
Learn/practice ethics-based leadership skills that develop individual abilities and contribute to effective team building. Develop skills in oral presentations, writing concisely, planning events, coordinating group efforts, advanced first aid, land navigation, and basic military tactics. Learn fundamentals of ROTC's Leadership Development Program. Two hours and a required leadership lab, plus required participation in three, one-hour sessions for physical fitness. Participation in a weekend exercise also is required. Pre / Co requisites: MSI 201 requires prerequisites of MSI 101 and MSI 102. Typically offered in Fall.

MSI 202. Individual-Team Military Tactics. 2 Credits.
Introduction to individual and team aspects of military tactics in small-unit operations. Includes use of radio communications, making safety assessments, movement techniques, planning for team safety/security, and methods of pre-execution checks. Practical exercises with upper-division ROTC students. Learn techniques for training others as an aspect of continued leadership development. Two hours and a required leadership lab, plus required participation in three, one-hour sessions for physical fitness. Participation in a weekend exercise also is required. Pre / Co requisites: MSI 202 requires prerequisite of MSI 201. Typically offered in Spring.

MSI 301. Leading Small Organizations I. 3 Credits.
Series of practical opportunities to lead small groups, receive personal assessments and encouragement, and lead again in situations of increasing complexity. Uses small-unit defensive tactics and opportunities to plan and conduct training for lower-division students to develop these skills as vehicles to practice leading. Three hours and a required leadership lab, plus required participation in three, one-hour sessions for physical fitness. Participation in one weekend exercise also is required, and one or two more weekend exercises may be offered for participation. PREREQ: Army ROTC advanced course standing or approval of the professor of military science. Typically offered in Fall.

MSI 302. Leading Small Organizations II. 3 Credits.
Continues methodology of MSI 301. Analyze tasks, prepare written or oral guidance for team members to accomplish tasks, delegate tasks, and supervise. Plan for and adapt to the unexpected in organizations under stress. Examine and apply lessons from leadership case studies as well as the importance of ethical decision making in setting a positive climate that enhances team performance. Three hours and a required leadership lab, plus required participation in three, one-hour sessions for physical fitness. Participation in one weekend exercise and three other one-day exercises is required. Typically offered in Spring.

MSI 399. USMC ROTC (PLC). 3 Credits.
USMC ROTC (PLC)
Typically offered in Summer.

MSI 400. US Military History. 3 Credits.
Students develop an awareness of the relationship of military establishment to society particularly the US. Typically offered in Fall, Spring & Summer.

MSI 401. Leadership Challenges and Goal Setting. 3 Credits.
Plan, conduct, and evaluate activities of the ROTC cadet organization. Articulate goals and put plans into action to attain them. Assess organizational cohesion and develop strategies to improve it. Develop confidence in skills to lead people and manage resources. Learn/practice various Army polices and programs in this effort. Three hours and a required leadership lab, plus required participation in three, one-hour sessions for physical fitness. Participation in one weekend exercise also is required, and one or two more weekend exercises may be offered for optional participation. Typically offered in Fall.

MSI 402. Transition to Lieutenant. 3 Credits.
Continues the methodology from MSI 401. Identify and resolve ethical dilemmas. Refine counseling and motivating techniques. Examine aspects of tradition and law as related to leading as an officer in the Army. Prepare for a future as a successful Army lieutenant. Three hours and a required leadership lab, plus required participation in three, one-hour sessions for physical fitness. Participation in one weekend exercise also is required, and one or two more weekend exercises may be offered for optional participation. Typically offered in Spring.

MSI 410. Independent Study. 1-3 Credits.
Military Science transfer credit. Typically offered in Summer.

AMERICAN STUDIES PROGRAM

College of Arts and Humanities
216 Main Hall
610-436-2201
Interdisciplinary Programs (http://www.wcupa.edu/_academics/sch_cas/interdisciplinaryPrograms.aspx)
Steve Gimber (sgimber@wcupa.edu), Director

Students are introduced to a broad spectrum of American culture. An optional internship provides on-the-job experience.

Programs

Minors in American Studies
- American Studies (p. 146)

Policies
- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When
applicable, additional policies for specific department programs may be listed below.

Faculty

Professors

Karin E. Gedge (kgedge@wcupa.edu) (1997)  
B.A., Lake Forest College; M.A., State University of New York at Brockport; Ph.D., Yale University

Charles A. Hardy (chardy@wcupa.edu) (1990)  
B.A., M.A., Ph.D., Temple University

Associate Professors

Steven Gimber (sgimber@wcupa.edu) (2007)  
B.A., Rowan University; M.A., University of Pennsylvania; Ph.D., American University

Janneen Smucker (jsmucker@wcupa.edu) (2012)  
B.A., Goshen College; M.A., Ph.D., University of Nebraska

Courses

AMS

AMS 199. Transfer Credit Electives. 1-15 Credits.  
Transfer Credit Electives. Repeatable for Credit.

AMS 200. American Civilization. 3 Credits.  
An interdisciplinary study of the forces, forms, and values that have contributed to the making of American civilization. Several academic disciplines are drawn upon in exploring the ‘Americaness’ of American institutions, thought, behavior, and material culture.  
Gen Ed Attribute: Interdisciplinary Requirement.  
Typically offered in Fall & Spring.

AMS 367. American Material Culture. 3 Credits.  
An interdisciplinary study of American civilization through the examination of its built environment and crafted and manufactured artifacts from the Colonial period to the mid-20th century.  
Typically offered in Fall & Spring.  
Cross listed courses AMS 367, HIS 367.

AMS 371. Manhood in America. 3 Credits.  
Examines American manhood from 1600 to the present. Focuses on intersections of class, race, and gender; relations between private and public spheres; changing men’s experiences over time.  
Typically offered in Fall & Spring.

AMS 399. Topics in American Studies. 3 Credits.  
Topics may vary each semester. Emphasis on student research and discussions. Repeatable for Credit.

AMS 400. Senior Thesis or Project. 3 Credits.  
A concluding ‘statement’ incorporating the interdisciplinary generalist approach.  
Typically offered in Fall & Spring.

AMS 401. Independent Study. 1-3 Credits.  
An opportunity to pursue alternative study projects outside the classroom; field work in community resources, etc.

AMS 415. American Studies Internship. 1-15 Credits.  
Cooperative, service/learning experience at a community agency, business, or institution. Repeatable for Credit.

MINOR IN AMERICAN STUDIES

College of Arts and Humanities

For transcript recognition of an American studies minor, a student must take 18 semester hours allocated in the following areas:

American Studies

Select 6 semester hours  
6

American History

HIS 151 History of the United States I (preferably)  
3  
or HIS 152 History of the United States II
and victim advocacy, urban affairs, community organizing, legal and health professions, social science research, and more.

Majors in the two B.A. programs should consult this catalog, the appropriate department handbook, and their advisor for current requirements. Students planning to major in one of these programs are advised to take ANT 102 and SOC 200 no later than their sophomore year.

Minor Programs

Students may minor in anthropology or sociology. A minimum of 18 credits is required, including 9 credits of required courses and 9 credits of electives. Students may take either of these minors as one of the minors in the B.A. in Liberal Studies - Arts and Humanities or B.S. in Liberal Studies - Professional Studies programs.

Programs

Majors in Anthropology and Sociology

- B.A. in Anthropology (p. 151)
- B.A. in Sociology (p. 152)

Minors in Anthropology and Sociology

- Anthropology (p. 152)
- Sociology (p. 153)

Graduate Opportunities

See the graduate catalog for more information on the Anthropology and Sociology programs. (http://catalog.wcupa.edu/undergraduate/sciences-mathematics/anthropology-sociology)

Policies

- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

Faculty

Professors

Susan L. Johnston (sjohnston@wcupa.edu) (2001)
B.A., University of Pennsylvania; B.S., Hahnemann University; Ph.D., University of Pennsylvania
Paul Stoller (pstoller@wcupa.edu) (1980)
B.A., University of Pittsburgh; M.S., Georgetown University; Ph.D., University of Texas at Austin
Heather Wholey (hwholey@wcupa.edu) (2005)
Chairperson, Anthropology and Sociology
B.A., State University of New York at Albany; M.A., Ph.D., Catholic University of America

Associate Professors

Miguel Ceballos (mceballos@wcupa.edu) (2012)
Director, Ethnic Studies Program
B.A., University of California, Berkeley; M.A., University of Texas at Austin; M.S., Ph.D., University of Wisconsin-Madison
Valerian Desouza (vdesouza@wcupa.edu) (2008)
Assistant Chairperson, Anthropology and Sociology
B.A., Bombay University; M.A., Xavier Labour Relations Institute (India); Ph.D. University of Illinois at Urbana-Champaign

John Leveille (jleveille@wcupa.edu) (2006)
B.A., University of Rhode Island; M.A., Ed.M., Columbia University; Ph.D., University of California, San Diego
Jacqueline Zalewski (jzalewski@wcupa.edu) (2007)
B.A., University of Wisconsin-Parkside; M.A., Ph.D., Loyola University, Chicago

Assistant Professors

Leon Arredondo (larredondo@wcupa.edu) (2011)
Director, Latin American and Latino/a Studies Program
B.A., Montclair State University; M.Phil., Ph.D., City University of New York
Rebecca L. Chancellor (rchancellor@wcupa.edu) (2013)
B.A., University of Nevada; M.A., Ph.D., University of California, Davis

Michael A. Di Giovine (mdigiovine@wcupa.edu) (2013)
B.S., Georgetown University; A.M., Ph.D., The University of Chicago
Sebastian Guzman (sguzman@wcupa.edu) (2017)
B.A., Pontificia Universidad Catolica de Chile; M.A., New School University; Ph.D., New School University
Aliza D. Richman (arichman@wcupa.edu) (2014)
B.A., The Pennsylvania State University; M.A., M.P.H., Northwestern University; Ph.D., The Pennsylvania State University

Julie B. Wiest (jwiest@wcupa.edu) (2013)
B.S., University of Tennessee; M.A., University of Georgia; Ph.D., University of Tennessee

Courses

ANT

ANT 101. Introduction to Anthropology: Biological. 3 Credits.
Fundamentals of human biological variation and evolution, including evolutionary theory and processes, human genetics, the nature of human biological diversity, adaptation, primate biology and behavior, the human fossil record, the evolution of disease, and population processes.
Gen Ed Attribute: Behavioral and Social Science Distributive.
Typically offered in Fall & Spring.

ANT 102. Introduction to Anthropology: Cultural. 3 Credits.
Comparative analysis of culture systems.
Gen Ed Attribute: Behavioral and Social Science Distributive.
Typically offered in Fall, Spring & Summer.

ANT 103. Introduction to Anthropology: Archaeology. 3 Credits.
Interpretation of culture through analysis of archaeological remains.
Gen Ed Attribute: Behavioral and Social Science Distributive.
Typically offered in Fall & Spring.

ANT 213. Archaeological Field Techniques. 3 Credits.
Implementation of archaeological principles and theory in laboratory and field studies.
Pre / Co requisites: ANT 113 requires prerequisite of ANT 103.
Typically offered in Summer.

ANT 220. Cultures of Ethnic Groups in America. 3 Credits.
Survey of the cultural history and traditions of ethnic groups in America.
Typically offered in Spring.

ANT 224. Native People of South America. 3 Credits.
This course will introduce the student to the study of native peoples of South America after the European contact. Geographically, the course will cover the cultural characteristics, similarities, and differences among South American natives including the Amazonia.
Gen Ed Attribute: Foreign Language Culture Cluster, Spanish Culture Cluster.
Typically offered in Fall, Spring & Summer.
ANT 230. Introduction to Primatology. 3 Credits.
The purpose of this course is to familiarize students with the taxonomy (or classification), distribution, morphology (or structure), and behavior of human beings' closest living relatives, the nonhuman primates. Primatologists can be found in numerous academic disciplines including anthropology, psychology, biology, ecology, neuroscience and veterinary medicine and this course is designed to provide you with the background to take more advanced courses within this subject area. However, even if your interests lie outside the field of primatology, this course will provide you with a deeper understanding of nonhuman primates, evolution, and where we humans fit in the world.
Pre / Co requisites: ANT 230 requires prerequisite of PSY 100 or ANT 101 or BIO 100 or BIO 110 or permission from instructor.
Typically offered in Spring.
Cross listed courses ANT 230, PSY 230.

ANT 260. Artifacts and Culture. 3 Credits.
Critical exploration of the role of material items in the analysis and interpretation of human culture.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Fall.

ANT 277. Sustainable Food Systems. 3 Credits.
This course, taught by an anthropologist and a registered dietitian, examines the interrelationship of nutrition ecology, anthropology and the political economic underpinnings of sustainable food systems.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Spring.
Cross listed courses ANT 277, NTD 277.

ANT 280. Museum Techniques. 3 Credits.
Exploration of techniques of cataloging, conserving objects, and of designing and setting up exhibits. Involvement in actual museum work.
Pre / Co requisites: ANT 280 requires prerequisite of ANT 102 or ANT 103.
Typically offered in Fall & Spring.
Repeatable for Credit.

ANT 310. Human Paleontology. 3 Credits.
Human origins and evolution, including evolutionary thought, the evolution of non-human primates, and the hominin fossil record.
Pre / Co requisites: ANT 310 requires prerequisite of ANT 101 or permission of instructor.
Typically offered in Fall.

ANT 312. Medical Anthropology. 3 Credits.
Overview of field, including theory, methods and concepts. Evolutionary and ecological bases of disease and health; how culture affects the definition and treatment of illness.
Pre / Co requisites: ANT 312 requires prerequisite of ANT 102.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall.

ANT 320. North American Indian Cultures. 3 Credits.
Survey and comparative study of the ethnographic record of North American Indian cultures, including belief systems and social organization.
Pre / Co requisites: ANT 320 requires prerequisite of ANT 102.
Typically offered in Fall.

ANT 321. American Indian Today. 3 Credits.
Native Americans in contemporary Anglo-America.
Gen Ed Attribute: Diversity Requirement.
Typically offered in Spring.

ANT 322. Ethnology of Central America. 3 Credits.
Survey of the modern cultures of Central America: relationships to ancient peoples; the process of modernization in this area.
Pre / Co requisites: ANT 322 requires prerequisite of ANT 102.
Gen Ed Attribute: Foreign Language Culture Cluster, Spanish Culture Cluster.
Typically offered in Fall & Spring.

ANT 324. Native People of the Andes. 3 Credits.
This course provides a comprehensive survey of the historical formation and development of the Andean society before and after the Spanish conquest.
Gen Ed Attribute: Foreign Language Culture Cluster, Spanish Culture Cluster.
Typically offered in Fall, Spring & Summer.

ANT 326. Cultures & Peoples of Sub-Saharan Africa. 3 Credits.
Examination of the cultures and societies of Black Africa.
Pre / Co requisites: ANT 326 requires prerequisite of ANT 102.
Typically offered in Spring.

ANT 327. Cultures & Peoples of India. 3 Credits.
Provides a broad understanding of India using a framework that examines the intersection of culture and society, economy, politics, and art and literature.
Pre / Co requisites: ANT 327 requires prerequisite of ANT 102.
Typically offered in Fall.

ANT 329. Problems in Ethnology. 3 Credits.
Survey of the ethnographic literature pertaining to specific geographic regions. Area of focus to be announced in advance.
Pre / Co requisites: ANT 329 requires prerequisite of ANT 102.
Typically offered in Fall & Spring.

ANT 340. Folklore in Society. 3 Credits.
Survey of basic American folklore genres. Emphasis on folklore as process, tradition, and as an element of culture.
Typically offered in Fall.

ANT 344. Magic, Religion & Witchcraft. 3 Credits.
An analysis of supernaturalistic ideology and ritual in both tribal and civil society.
Pre / Co requisites: ANT 344 requires prerequisite of ANT 102.
Typically offered in Fall.

ANT 347. The Cultures of Cities. 3 Credits.
This seminar introduces students to the cultural dynamics of city life in the era of globalization. Topics of study include globalization, the politics of urban space, informal economies, and immigration.
Gen Ed Attribute: Diversity Requirement.
Typically offered in Spring.

ANT 348. Dimensions of Ethnographic Film/Video. 3 Credits.
This course will introduce students to the study of ethnographic film/video. Topics to be considered include visual anthropology, ethnographic representation, and film theory.
Typically offered in Fall.

ANT 352. Cultural Heritage: Creating and Preserving the Past. 3 Credits.
What is cultural heritage, and how do societies remember, preserve, and transmit it? This seminar-style class explores the history and politics of cultural heritage and conservation movements, examining the ways in which ‘patrimony’ (heritage) is used to create or contest cultural identities across the world. Through case studies, we will discuss why tangible and intangible heritage stir such emotion among diverse peoples, mobilizing political organizations, NGOs, tourists, museums, tomb raiders, and even armies to celebrate, protect, loot, commodify, efface, contest, and even go to war over artifacts and practices rooted in the past.
Pre / Co requisites: ANT 352 requires prerequisite: ANT 102 or ANT 103, or permission of instructor.
Typically offered in Fall.

ANT 360. Historical Archaeology. 3 Credits.
Historical research through archaeology. Chester County is emphasized through local research projects.
Pre / Co requisites: ANT 360 requires prerequisite or co-requisite of ANT 103.
Typically offered in Fall & Spring.

ANT 362. Archaeology of Central America. 3 Credits.
The archaeological record of Central America, covering the significant features of each culture area from modern Mexico to Panama.
Gen Ed Attribute: Foreign Language Culture Cluster, Spanish Culture Cluster.
Typically offered in Spring.

ANT 364. Archaeology of Ancient North America. 3 Credits.
A survey of North American prehistory from the earliest inhabitants to the time of European colonization. Covers all culture areas but with an emphasis on the Eastern woodlands.
Pre / Co requisites: ANT 364 requires prerequisite of ANT 103.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall.
ANT 366. Archaeological Lab Methods. 3 Credits.
An overview of analytical methods used to process, describe and interpret archaeological materials. Emphasis on practical hands-on laboratory research through the implementation of qualitative observation and quantitative methodologies.
Pre / Co requisites: ANT 366 requires prerequisite of ANT 103. Typically offered in Fall.

ANT 367. Archaeology and the Environment. 3 Credits.
In this course students will learn about how archaeologists study the relationships between human culture and the natural world, and how archaeology can be applied to some of today's environmental concerns. Grounded in archaeological research, the course covers topics such as past human impacts on the environment, environmental impacts on the archaeological record, spatial modeling and remote sensing in archaeology, and human ecology, including the role of cultural memory in current conservation practices.
Pre / Co requisites: ANT 367 requires a prerequisite of ANT 103. Typically offered in Fall & Spring.

ANT 368. Archaeological Field School. 3-6 Credits.
Application of archaeological recovery techniques through field investigation. Students participate in the gathering, processing and study of archaeological site data.
Pre / Co requisites: ANT 368 requires prerequisite ANT 103. Typically offered in Summer.

ANT 375. Ethnographic Field School. 3-6 Credits.
This is an anthropological field school in which students gain in-depth, hands-on training and experience in conducting qualitative ethnographic research at a fieldsite, and is intended to provide students with instruction in multiple ethnographic methods and procedures as they design and carry out their own research project. In the course of their research, students will familiarize themselves with relevant social theories and will be given an intensive and interactive look at the culture and history of the people at their research site.
Pre / Co requisites: ANT 375 requires a prerequisite of ANT 102. Typically offered in Summer.
Repeatable for Credit.

ANT 405. Topical Seminar in Anthropology. 3 Credits.
Selected topics in the subdisciplines of anthropology. Topics announced in advance.
Pre / Co requisites: ANT 405 requirement: juniors and seniors only. Typically offered in Fall & Spring. Repeatable for Credit.

ANT 410. Independent Studies in Anthropology. 1-3 Credits.
Special research projects, reports, and readings in anthropology.
Pre / Co requisites: ANT 410 requirement: Permission of department chairperson; juniors and seniors only. Consent: Permission of the Department required to add. Typically offered in Fall, Spring & Summer. Repeatable for Credit.

ANT 420. Anthropology Internship. 3 Credits.
This internship is intended to augment student learning through practical professional experiences. Student interns will gain exposure to contemporary anthropological practice outside the classroom and will be provided an opportunity to acquire new skills, develop professional contacts, and gain first-hand knowledge of potential workplaces. The internship program is designed to enhance student preparedness for a future in their area of interest within the discipline while exploring potential workforce matches. Internships can be within any of the subfields of anthropology and will vary according to student interests and the needs and opportunities of the sponsoring organization.
Pre / Co requisites: ANT 420 requires prerequisite of ANT 102, at least 80 semester hours of college credit, an additional 12 hours in courses in the anthropology program, and a minimum 2.3 GPA in anthropology and overall. Consent: Permission of the Department required to add. Typically offered in Fall, Spring & Summer.

ANT 459. History of Ethnological Theory. 3 Credits.
Development of ethnological theory with emphasis on the nature of explanation in ethnology.
Pre / Co requisites: ANT 459 requires six hours in ethnology and junior or senior standing. Typically offered in Fall.

ANT 495. Senior Seminar in Anthropology. 3 Credits.
Discussion and supervised research designed to integrate conceptual and methodological skills. The research paper for the seminar must be acceptable as a required departmental senior research paper.
Pre / Co requisites: ANT 495 requires senior anthropology majors only. Typically offered in Spring.

SOC

SOC 200. Introduction to Sociology. 3 Credits.
Fundamentals of the sociological perspective on human behavior.
Gen Ed Attribute: Behavioral and Social Science Distributive.
Distance education offering may be available. Typically offered in Fall, Spring & Summer.

SOC 225. Digital Social Research. 3 Credits.
An introduction to digital data and the scientific research methods used to study the digital social realm, with an emphasis on the opportunities, challenges, and ethics of using digital data to examine social life. This course is especially suitable for students in the social sciences, health sciences, communication studies, and business fields.
Pre / Co requisites: SOC 225 requires a prerequisite of MAT 103 or higher. Distance education offering may be available. Typically offered in Fall & Spring.

SOC 240. Sociology of the Family. 3 Credits.
Comparative, historical, and cross-cultural analysis of the family institution.
Gen Ed Attribute: Behavioral and Social Science Distributive.
Distance education offering may be available. Typically offered in Fall & Spring.

SOC 245. Environmental Sociology. 3 Credits.
Human society is currently threatening the environmental resources necessary to maintain life on Earth. This course unravels the deeper roots of our environmental crises and investigates potential solutions from a domestic and global perspective. Through lecture, films, and discussion we will focus on the interplay between social theories, social structure, social institutions, social inequality, social stratification, and the environment. Themes in this course will emphasize how culture shapes environmental processes and everyday life; articulate demographic theoretical perspectives of population growth; examine the social structure of society to better understand the social dynamics of environmental processes; and analyze environmental inequality along the bases of social class, gender, and race/ethnicity. This course is an introduction to the field, suitable for both majors and non-majors with interest in environmental issues and society.
Gen Ed Attribute: Behavioral and Social Science Distributive. Typically offered in Fall & Spring.

SOC 300. Sociological Theory. 3 Credits.
Historical development of the sociological perspective on human behavior, with emphasis on the perennial issues in sociological explanation.
Pre / Co requisites: SOC 300 requires prerequisite of SOC 200. Typically offered in Fall & Spring.

SOC 302. Sociology of Everyday Life. 3 Credits.
How people interact in everyday settings, examined from the dramaturgical perspectives of Goffman, Douglas, Burke, and others.

SOC 321. Statistics in Sociological Research. 3 Credits.
The application of statistical methods to sociological hypothesis testing.
Pre / Co requisites: SOC 321 requires prerequisite of SOC 200. Typically offered in Fall & Spring.

SOC 322. Methods of Sociological Research. 3 Credits.
The logic of social research. Fundamentals of research design, data collection and reduction, and nonstatistical analysis.
Pre / Co requisites: SOC 322 requires prerequisite of SOC 200. Typically offered in Fall & Spring.

SOC 333. Self and Society. 3 Credits.
A symbolic interactionist perspective on social psychology which focuses on the self in social interaction.
Pre / Co requisites: SOC 333 requires prerequisite of SOC 200. Typically offered in Fall.
SOC 335. Racial and Cultural Minorities. 3 Credits.
Analysis of the implications of racial differences, the factors affecting prejudice and discrimination, and structural aspects of group conflicts.
Pre / Co requisites: SOC 335 requires a prerequisite of SOC 200.
Typically offered in Fall.

SOC 340. Sociology of Work. 3 Credits.
Survey of work theory, history of work in America, inequalities at work, and the contingencies in work today.
Pre / Co requisites: SOC 340 requires prerequisite of SOC 200.
Typically offered in Spring.

SOC 341. Social Stratification. 3 Credits.
Analysis of inequalities in wealth, power, and prestige in contemporary societies.
Pre / Co requisites: SOC 341 requires prerequisite of SOC 200.
Typically offered in Spring.

SOC 342. Urban Sociology. 3 Credits.
A descriptive study of the form and development of the urban community with respect to demographic structure, spatial and temporal patterns, and functional organization.
Pre / Co requisites: SOC 342 requires prerequisite of SOC 200.
Typically offered in Spring.

SOC 343. Sociology of Organizations. 3 Credits.
Analysis of the social structure in small groups and formal organizations and an examination of organizational change with an emphasis on bureaucracy and markets.
Pre / Co requisites: SOC 343 requires prerequisite of SOC 200.
Typically offered in Fall.

SOC 344. Sociology of Religion. 3 Credits.
Theoretical analysis of social functions of religion, the history and internal structure of religious institutions, and their relationship to other institutions.
Pre / Co requisites: SOC 344 requires prerequisite of SOC 200.
Typically offered in Fall & Spring.

SOC 345. Sociology of Education. 3 Credits.
Sociological dimensions of educational institutions.
Pre / Co requisites: SOC 345 requires prerequisite of SOC 200.
Typically offered in Spring.

SOC 346. Sociology of Gender. 3 Credits.
Analysis and evaluation of sociological research on sex roles.
Pre / Co requisites: SOC 346 requires prerequisite of SOC 200.
Typically offered in Fall.

SOC 349. Perspectives on Mental Illness. 3 Credits.
An interdisciplinary examination of mental disorders: their definition, cause, and treatment.
Pre / Co requisites: SOC 349 requires a prerequisite of SOC 200.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Fall.

SOC 350. Sociology of Mental Illness. 3 Credits.
A sociological perspective on mental disorders.
Pre / Co requisites: SOC 350 requires prerequisite of SOC 200.
Typically offered in Fall & Spring.

SOC 351. Deviance. 3 Credits.
Causes and consequences of the construction and violation of social norms.
Pre / Co requisites: SOC 351 requires prerequisite of SOC 200.
Typically offered in Fall & Spring.

SOC 360. Sociology of Culture. 3 Credits.
An exploration of the meaning and significance of culture in sociology, with an emphasis on the cultural context of social change.
Pre / Co requisites: SOC 360 requires a prerequisite of SOC 200.
Typically offered in Fall & Spring.

SOC 361. Sociology of Medicine. 3 Credits.
A sociological perspective on health, illness, and medical care.
Pre / Co requisites: SOC 361 requires prerequisite of SOC 200.
Typically offered in Fall.

SOC 362. Sexuality in Society. 3 Credits.
The social dimensions of human sexuality.
Pre / Co requisites: SOC 362 requires prerequisite of SOC 200.
Typically offered in Spring.

SOC 364. Sociology of Aging. 3 Credits.
An examination of the problems, adaptations, and contributions of the aging population.
Pre / Co requisites: SOC 364 requires prerequisite of SOC 200.
Typically offered in Spring.

SOC 366. Gender, Labor and Globalization. 3 Credits.
Sociological and feminist analysis of global labor issues such as immigration, citizenship, motherhood, childcare, emotional labor, guest workers, commodification, and exploitation.
Pre / Co requisites: SOC 366 requires a prerequisite of SOC 200 or permission of instructor.
Typically offered in Fall.
Cross listed courses SOC 366, WOS 366.

SOC 369. Social Movements. 3 Credits.
An introduction to the study of social movements, both historical and contemporary.
Pre / Co requisites: SOC 369 requires prerequisite of SOC 200.
Typically offered in Spring.

SOC 370. Social Problems. 3 Credits.
Analysis of current social disorders: urban unrest, racial tension, poverty, addictions, crime, and mental illness.
Pre / Co requisites: SOC 370 requires prerequisite of SOC 200.
Typically offered in Fall & Spring.

SOC 371. Applied Social Change. 3 Credits.
Strategy and tactics of planning and guiding change in small and large-scale social systems.
Pre / Co requisites: SOC 371 requires prerequisite of SOC 200.
Typically offered in Spring.

SOC 372. Globalization Across Societies and Cultures. 3 Credits.
This course draws from sociological and related theories to examine globalization as part of a larger historical process that is reshaping the global economic system and changing the role and power of nation states. We examine the mass migration of people in response to changing labor markets, the formation of new global diasporas, the emergence of a global cultural order marked by hybridity and creolization, and how globalization is experienced as a complex process in which people participate and respond in ways that shape, resist, absorb, or avoid globalization.
Pre / Co requisites: SOC 372 requires prerequisite SOC 200 or permission of instructor.
Typically offered in Fall.

SOC 383. The Digital Self. 3 Credits.
A symbolic interactionist perspective on self development and self presentation in the digital age.
Pre / Co requisites: SOC 383 requires prerequisites of SOC 200.
Distance education offering may be available.
Typically offered in Spring & Summer.

SOC 401. Social Change. 3 Credits.
Critique of the leading models of social order and change; analysis of major transformation in Western civilization.
Pre / Co requisites: SOC 401 requires prerequisite of SOC 200.

SOC 402. Sociology Internship. 1-3 Credits.
In an approved internship, students will gain practical experience and develop skills in professional roles while exploring potential workforce matches. Internships also provide opportunities to develop mentoring relationships, professional contacts, and they enhance student preparedness for a future in their area of interest.
Pre / Co requisites: SOC 402 requires prerequisites of SOC 200, 80 credits earned, 9 credits in Sociology beyond SOC 200, a cumulative GPA of 2.5, and a cumulative GPA in sociology courses of 3.0.
Consent: Permission of the Department required to add.
Typically offered in Fall, Spring & Summer.

SOC 410. Issues in Sociological Thought. 3 Credits.
Analysis of several of the key philosophical issues underlying sociological thought.
Pre / Co requisites: SOC 410 requires prerequisite of SOC 301.
Typically offered in Spring.

SOC 490. Independent Studies in Sociology. 1-3 Credits.
Individual research projects, reports, and/or readings.
Pre / Co requisites: SOC 490 prerequisite: Seniors only.
Consent: Permission of the Department required to add.
Typically offered in Fall, Spring & Summer. Repeatable for Credit.
SOC 491. Topical Seminar in Sociology, 3 Credits.
Special topics in theory or methodology. Topics announced in advance.
Pre / Co requisites: SOC 491 requirement: Permission of instructor; juniors and seniors only.
Consent: Permission of the Department required to add. Typically offered in Fall & Spring.
Repeatable for Credit.

SOC 492. Senior Seminar in Sociology, 3 Credits.
Preparation of senior research paper.
Pre / Co requisites: SOC 492 requirement: Senior sociology majors only. Typically offered in Fall & Spring.

B.A. IN ANTHROPOLOGY
College of the Sciences and Mathematics

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
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<tr>
<td>English Composition requirements</td>
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<tr>
<td>Mathematics requirement</td>
<td>3</td>
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<td>MAT 103 or higher is recommended</td>
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<td>Public Speaking requirement</td>
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<td>Diverse Communities requirement</td>
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<td>Interdisciplinary requirement</td>
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<tr>
<td>Science requirement</td>
<td>6</td>
</tr>
<tr>
<td>Behavioral and Social Science requirement</td>
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</tr>
<tr>
<td>SOC 200 Introduction to Sociology</td>
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<tr>
<td>Humanities requirement</td>
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<td>Arts requirement</td>
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<tr>
<td>Student Electives</td>
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<tr>
<td>Writing Emphasis requirement</td>
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</table>

Language & Culture Requirement 3-15

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Demonstrating language proficiency through the intermediate level (202) or demonstrating language proficiency through the elementary II (102) level of a language and further acquiring a cultural foundation.</td>
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Major Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>ANT 101</td>
<td>Introduction to Anthropology: Biological</td>
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<tr>
<td>ANT 102</td>
<td>Introduction to Anthropology: Cultural</td>
<td>3</td>
</tr>
<tr>
<td>ANT 103</td>
<td>Introduction to Anthropology: Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>ANT 459</td>
<td>History of Ethnological Theory</td>
<td>3</td>
</tr>
<tr>
<td>ANT 495</td>
<td>Senior Seminar in Anthropology</td>
<td>3</td>
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</table>

Anthropology Electives

Select six courses in Anthropology 18

Related/Cognate Requirements

<table>
<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>LIN 230</td>
<td>Introduction to Linguistics</td>
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</table>

Select additional courses outside of Anthropology approved by the student’s advisor 12

Total Minimum Credits Required 120

1 Anthropology majors must take SOC 200

Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

### Year One

#### Semester One

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>ANT 102</td>
<td>Introduction to Anthropology: Cultural</td>
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<td>SOC 200</td>
<td>Introduction to Sociology</td>
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<tr>
<td>Language - appropriate level for student</td>
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<td>WRT</td>
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<td>MAT</td>
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#### Semester Two

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<td>ANT 101</td>
<td>Introduction to Anthropology: Biological (or)</td>
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<td>ANT 103</td>
<td>Introduction to Anthropology: Archaeology</td>
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### Year Two

#### Semester Three

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<td>ANT 103</td>
<td>Introduction to Anthropology: Archaeology</td>
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#### Semester Four

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<td>ANT elective</td>
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#### Semester Five

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<tr>
<td>ANT elective</td>
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<tr>
<td>LIN 230</td>
<td>Introduction to Linguistics</td>
<td>3</td>
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<tr>
<td>Final language culture cluster (if relevant) or cognate</td>
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<td>Free elective</td>
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#### Semester Six

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<tr>
<td>ANT elective</td>
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<tr>
<td>Cognate Course</td>
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### Year Four

#### Semester Seven

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<tr>
<td>ANT 459</td>
<td>History of Ethnological Theory</td>
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<tr>
<td>1-2 cognates as needed to complete 15 cr.</td>
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<td>Free electives</td>
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<tbody>
<tr>
<td>ANT 495</td>
<td>Senior Seminar in Anthropology</td>
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B.A. IN SOCIOLOGY

College of the Sciences and Mathematics

Curriculum

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<tr>
<td>Science requirement</td>
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</tr>
<tr>
<td>Behavioral and Social Science requirement 1</td>
<td>6</td>
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<tr>
<td>Ant 102 Introduction to Anthropology: Cultural</td>
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<td>Humanities requirement</td>
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<td>Arts requirement</td>
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Language and Culture Requirement 3-15

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Major Requirements

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<td>SOC 300</td>
<td>Sociological Theory</td>
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<tr>
<td>SOC 321</td>
<td>Statistics in Sociological Research</td>
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<tr>
<td>SOC 322</td>
<td>Methods of Sociological Research</td>
<td>3</td>
</tr>
<tr>
<td>SOC 492</td>
<td>Senior Seminar in Sociology</td>
<td>3</td>
</tr>
</tbody>
</table>

Sociology Electives

Select six advanced courses in sociology 18

Related/Cognate Area

Select five non-sociology courses approved by the student's adviser 15

Total Minimum Credits Required 120

1 Sociology majors must take Ant 102.

Sample Course Plan

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<tr>
<td>Ant 102</td>
<td>Introduction to Anthropology: Cultural 1</td>
<td>3</td>
</tr>
<tr>
<td>Language - appropriate level for student</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>WRT</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MAT</td>
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</tr>
<tr>
<td></td>
<td>Credits</td>
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<table>
<thead>
<tr>
<th>Semester Two</th>
<th>SOC Elective</th>
<th>Language in sequence</th>
<th>General Education</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3</td>
<td>3</td>
<td>9</td>
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Year Two

<table>
<thead>
<tr>
<th>Semester Three</th>
<th>SOC 300</th>
<th>Sociological Theory</th>
<th>3</th>
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<tbody>
<tr>
<td>SOC 322</td>
<td>Methods of Sociological Research</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Language in sequence or Culture Cluster</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>General Education</td>
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<td></td>
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<tr>
<td>Credits</td>
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</tr>
</tbody>
</table>

| Semester Four | SOC 321 | Statistics in Sociological Research | 3 |
| SOC elective | 3 |
| Language in sequence or Culture Cluster | 3 |
| General Education | 6 |
| Credits | 15 |

Year Three

| Semester Five | SOC elective | 3 |
| SOC elective | 3 |
| Career Prep | 3 |
| Final Language Culture Cluster (if relevant) or General Education | 3 |
| General Education | 3 |
| Credits | 15 |

| Semester Six | SOC elective | 3 |
| Career prep | 3 |
| Career prep | 3 |
| Career prep | 3 |
| General Education or free elective | 3 |
| Credits | 15 |

Year Four

| Semester Seven | SOC elective | 3 |
| Career prep or General Education | 3 |
| General Education or free electives | 9 |
| Credits | 15 |

| Semester Eight | SOC 492 | Senior Seminar in Sociology | 3 |
| General Education or free electives | 12 |
| Credits | 15 |
| Total Credits | 120 |

1 Required Behavioral/Social Science Distributive

MINOR IN ANTHROPOLOGY

College of the Sciences and Mathematics

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Ant 102</td>
<td>Introduction to Anthropology: Cultural</td>
<td>3</td>
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<tr>
<td>Ant 101</td>
<td>Introduction to Anthropology: Biological</td>
<td>3</td>
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<tr>
<td>or Ant 103</td>
<td>Introduction to Anthropology: Archaeology</td>
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</tr>
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</table>

Select one 400-level course in Anthropology 3

Elective Courses

Free electives 12

Credits 15

Total Credits 117-123
MINOR IN SOCIOLOGY
College of the Sciences and Mathematics

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>SOC 200</td>
<td>Introduction to Sociology</td>
<td>3</td>
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<tr>
<td>SOC 300</td>
<td>Sociological Theory</td>
<td>3</td>
</tr>
<tr>
<td>SOC 322</td>
<td>Methods of Sociological Research</td>
<td>3</td>
</tr>
</tbody>
</table>

Elective Courses

Select three other courses in Sociology

Total Credits 18

DEPARTMENT OF APPLIED MUSIC

Overview

110 Swope Music Building (Office of the Dean)
610-436-2739
Department of Applied Music (http://www.wcupa.edu/appliedMusic)
Emily Bullock (ebullock@wcupa.edu), Interim Chairperson
Patricial Powell (ppowell@wcupa.edu), Assistant Chairperson
Ralph Sorrentino (rsorrentino@wcupa.edu), Assistant Chairperson

The mission of the School of Music at West Chester University is to create a learning environment that provides the highest order of education in all major aspects of music, to establish a foundation for life-long growth in music, and to offer programs and degrees that are tradition based but future oriented. In pursuing this mission, we reaffirm our commitment to diversity within the School of Music. Our faculty members strive to be inspiring teachers as well as musical and intellectual leaders. Further, we endeavor to expand the music opportunities available to all University students and to enhance the quality of our community's musical life.

Programs

Majors in Applied Music
- B.M. in Performance (p. 171)

Minors in Applied Music
- Jazz Studies (p. 175)
- Music Performance (p. 175)

Graduate Opportunities

See the graduate catalog for more information on the Applied Music programs. (http://catalog.wcupa.edu/graduate/school-of-music/applied-music)

Policies

- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate-academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

Faculty

Professors

Robert M. Bedford (rbedford@wcupa.edu) (1966)
B.Mus., M.S., The Juilliard School; D.M.A., Catholic University of America
Karen Dannessa (kdannessa@wcupa.edu) (2005)
B.M., Youngstown State University; M.M., Michigan State University; D.M., Florida State University
David P. Devenney (ddevenney@wcupa.edu) (1996)
B.M., Iowa State University; M.M., University of Wisconsin-Madison; D.M.A., Conservatory of Music, University of Cincinnati
Jean-Christophe Dohrzelowski (johrzewlew@wcupa.edu) (2008)
Diploma of Modern Languages, Numaz-Droz School (Switzerland); Prix de Trompette, Conservatoire de Musique de Tuen-Malmaison (France); M.M., University of Maine; D.M.A., Arizona State University

Henry Grabb (hgrabb@wcupa.edu) (1992)
B.A., University of Central Florida; M.M., Northwestern University of Illinois; D.M., Florida State University
Marc M. Jacoby (mjacoby@wcupa.edu) (2005)
B.M., Berklee College of Music; M.M., New England Conservatory of Music; M.M., Ph.D., Northwestern University
Kimberley Reighley (kreighley@wcupa.edu) (2005)
Andrew Yozviak (ayozviak@wcupa.edu) (2009)
B.S., West Chester University; M.M., Indiana University, Bloomington; D.M.A., Rutgers University

Associate Professors

Emily Bullock (ebullock@wcupa.edu) (2004)
Chairperson, Applied Music
B.M., University of Colorado; M.M., University of Tulsa; D.M.A., University of Colorado

Vincent A. Craig (vcaraig@wcupa.edu) (1999)
B.M., Oberlin College; M.M., D.M.A., Peabody Institute of Johns Hopkins University

Carl Cranmer (ccranmer@wcupa.edu) (2000)
B.Mus., Oberlin Conservatory of Music; M.M., D.M.A., The Juilliard School

John Fowler (jfowler@wcupa.edu) (2012)
B.M., University of Cincinnati College - Conservatory of Music; M.M., Temple University; D.M.A., Rutgers University

Ryan M. Kelly (rkelly@wcupa.edu) (2013)
B.M., Houston Baptist University; M.M., University of Oklahoma; D.M.A., Michigan State University

Terry Klinefelter (tklinefelter@wcupa.edu) (2010)
B.S.Ed., M.M., West Chester University; M.M., Temple University; D.M.A., Catholic University of America

In Young Lee (ilee@wcupa.edu) (2009)
B.M., M.M., Seoul National University; M.M., D.M.A., Temple University

Ovidiu Marinescu (omarinescu@wcupa.edu) (2003)
B.M., Music Bucharest Conservatory; M.M., University of Wisconsin; D.M.A., Temple University

Stephen Ng (sng@wcupa.edu) (2010)
B.A., The Chinese University of Hong Kong; M.M., New England Conservatory of Music; D.M.A., Indiana University

Elizabeth L. Pfaffle (epfaffle@wcupa.edu) (2012)
B.A., B.M.Ed, Ohio State University; M.M., Akron University; Mus.D., Indiana University
DEPARTMENT OF APPLIED MUSIC  

Patricia Powell (ppowell@wcupa.edu) (2011)  
Assistant Chairperson, Applied Music  
B.M., University of Florida; M.A., Oxford University; M.M., University of Southern California  
Gregory E. Riley (griley@wcupa.edu) (2002)  
B.S., University of Alabama; M.M., University of Missouri - Kansas City; D.M.A., University of Southern California  
Randall Scarlata (rsarlata@wcupa.edu) (2003)  
B.M., Rochester University, Eastman School of Music; M.M., The Juilliard School  

Assistant Professors  
Joseph Caminiti (jcaminiti@wcupa.edu) (2015)  
B.A., Calvin College; M.M., Ithaca College  
Daniel E. Cherry (dcherry@wcupa.edu) (2014)  
B.M., Capital University; M.M., D.M.A, University of Cincinnati  
John A. Gaarder (jgaarder@wcupa.edu) (1999)  
B.M., University of Wisconsin - Madison; M.M., New England Conservatory of Music  
Anita Greenlee (agreenlee@wcupa.edu) (2001)  
B.S., M.S., Juilliard School of Music  
Peter Paulsen (ppaulsen@wcupa.edu) (1989)  
B.M., West Chester University  
Igor Resnianski (iresniansk@wcupa.edu) (2011)  
B.M., M.M., Novosibirsk Music College; Artist Diploma, Texas Christian University; D.M.A., Temple University  

Courses  

ABC  
ABC 191. Brass Class. 0.5 Credits.  
Contact department for more information about this course. Typically offered in Fall & Spring.  

ABC 192. French Horn Class (Music Education). 0.5 Credits.  
Contact department for more information about this course. Typically offered in Fall & Spring.  

ABC 193. Trombone Class (Music Education). 0.5 Credits.  
Contact department for more information about this course. Typically offered in Fall & Spring.  

AEB  
AEB 101. Elementary Band. 0.5 Credits.  
Contact department for more information about this course. Typically offered in Fall & Spring. Repeatable for Credit.  

AEB 112. Marching Band Front. 1 Credit.  
Contact department for more information about this course. Typically offered in Fall. Repeatable for Credit.  

AEB 311. Marching Band. 1 Credit.  
Contact department for more information about this course. Typically offered in Fall. Repeatable for Credit.  

AEB 321. Concert Band. 0.5 Credits.  
Contact department for more information about this course. Typically offered in Fall & Spring. Repeatable for Credit.  

AEB 331. Symphonic Band. 0.5 Credits.  
Contact department for more information about this course. Typically offered in Fall & Spring. Repeatable for Credit.  

AEB 341. Wind Ensemble. 0.5 Credits.  
Contact department for more information about this course. Typically offered in Fall & Spring. Repeatable for Credit.  

AEO  
AEO 101. Elementary Orchestra. 0.5 Credits.  
Contact department for more information about this course. Pre / Co requisites: AEO 101 requires prerequisite of ASC 191. Typically offered in Fall & Spring. Repeatable for Credit.  

AEO 111. Chamber Orchestra. 0.5 Credits.  
Contact department for more information about this course. Typically offered in Fall & Spring. Repeatable for Credit.  

AEO 341. Symphony Orchestra. 0.5 Credits.  
Contact department for more information about this course. Typically offered in Fall & Spring. Repeatable for Credit.  

AES  
AES 111. Brass Ensemble. 0.5 Credits.  
Contact department for more information about this course. Consent: Permission of the Department required to add. Typically offered in Fall & Spring. Repeatable for Credit.  

AES 121. Percussion Ensemble. 0.5 Credits.  
Contact department for more information about this course. Consent: Permission of the Department required to add. Typically offered in Fall & Spring. Repeatable for Credit.  

AES 141. Woodwind Ensemble. 0.5 Credits.  
Contact department for more information about this course. Typically offered in Fall & Spring. Repeatable for Credit.  

AES 151. Jazz Ensemble I. 0.5 Credits.  
Contact department for more information about this course. Consent: Permission of the Department required to add. Typically offered in Fall & Spring. Repeatable for Credit.  

AES 152. Jazz Ensemble II. 0.5 Credits.  
Contact department for more information about this course. Typically offered in Fall & Spring. Repeatable for Credit.  

AES 153. Latin Jazz Ensemble. 0.5 Credits.  
The Latin Jazz Ensemble is a performance group that plays Afro-Cuban and Brazilian genres. Typically offered in Fall & Spring. Repeatable for Credit.  

AIC  
AIC 311. Instrumental Conducting I. 2 Credits.  
Contact department for more information about this course. Typically offered in Fall & Spring.  

AIC 312. Instrumental Conducting II. 2 Credits.  
Contact department for more information about this course. Pre / Co requisites: AIC 312 requires prerequisites of AIC 311 or VOC 311. Typically offered in Fall & Spring.
AIM

AIM 311. Marching Band Techniques. 1 Credit.
A survey of the function of the total marching band and of each component within it. Typically offered in Fall.

AIM 429. Special Subjects Seminar. 1-3 Credits.
Contact department for more information about this course. Repeatable for Credit.

AJZ

AJZ 199. Transfer Credits. 1-15 Credits.
Transfer Credits. Repeatable for Credit.

AJZ 331. Electronic Instruments. 2 Credits.
A study of the MIDI implementation of synthesizers, samplers, sequencers, signal processors, and rhythm processors as related to real-time performance.

AJZ 361. Jazz Musicianship and Improvisation I. 3 Credits.
A basic course in jazz improvisation that emphasizes the learning and discovery of improvisational techniques through playing and listening. Typically offered in Spring. Repeatable for Credit.

AJZ 362. Jazz Musicianship and Improvisation II. 3 Credits.
A continuation of AJZ 361. Typically offered in Spring. Repeatable for Credit.

AJZ 365. Jazz Ensemble Techniques. 0.5 Credits.
Techniques and methods for organizing, rehearsing, programming, and operating jazz ensembles. Typically offered in Fall & Spring.

AJZ 366. Puerto Rico: Exploring Roots of Salsa and Latin Jazz. 1 Credit.
This course will take interested students to the Caribbean Island of Puerto Rico, an important hub of salsa and Latin jazz where many giants of the music began their careers. There, participants will learn about folkloric styles, bomba, plena, son, guaracha, and the popular genres that the folkloric traditions continue to inform. Students will trace the rhythmic and song form structures back through the slave trade of West Africa and experience synchronicity of culture, music and dance. Typically offered in Fall & Spring.

ALC

ALC 312. Brass Literature I. 1 Credit.
Contact department for more information about this course.

ALC 313. Brass Literature II. 1 Credit.
Contact department for more information about this course.

ALC 314. Brass Literature III. 1 Credit.
Contact department for more information about this course.

ALC 322. Guitar Literature. 1 Credit.
Contact department for more information about this course.

ALC 323. Guitar Literature II. 1 Credit.
Contact department for more information about this course.

ALC 324. Guitar Literature III. 1 Credit.
Contact department for more information about this course.

ALC 325. String Literature I. 1 Credit.
Contact department for more information about this course.

ALC 331. String Literature II. 1 Credit.
Contact department for more information about this course.

ALC 333. String Literature III. 1 Credit.
Contact department for more information about this course.

ALC 334. String Literature IV. 1 Credit.
Contact department for more information about this course.

ALC 342. Woodwind Literature I. 1 Credit.
Contact department for more information about this course.

ALC 343. Woodwind Literature II. 1 Credit.
Contact department for more information about this course.

ALC 344. Woodwind Literature III. 1 Credit.
Contact department for more information about this course.

ALC 352. Percussion Literature I. 1 Credit.
Contact department for more information about this course.

ALC 353. Percussion Literature II. 1 Credit.
Contact department for more information about this course.

ALC 354. Percussion Literature III. 1 Credit.
Contact department for more information about this course.

ALC 361. A Survey of Band Literature. 1 Credit.
The course will provide a comprehensive survey of the history and repertoire of wind band music concentrating on Grades 2-6.

AMA

AMA 352. Performance in the Arts. 3 Credits.
Performance in the Arts will survey, through a variety of historical and personal perspectives, the inter-related aspects of the four arts areas within the CVPA; music, theatre, art, and dance. This course offers a structured examination and creative approach to how musical performance is integrated into and enhanced by its connection to drama, art, and dance. Musical performance will form the basis for comparative study, befitting a course for students who are minoring in music performance. Students enrolled in AMA 352 must have successfully auditioned for one of WCU’s many performing ensembles. Typically offered in Spring.

AMC

AMC 312. Master Class (Brass). 1 Credit.
Contact department for more information about this course. Repeatable for Credit.

AMC 313. Master Class (Brass). 1 Credit.
Contact department for more information about this course. Repeatable for Credit.

AMC 314. Master Class (Brass). 1 Credit.
Contact department for more information about this course. Repeatable for Credit.

AMC 321. Master Class (Percussion). 1 Credit.
Contact department for more information about this course. Repeatable for Credit.

AMC 322. Master Class (Percussion). 1 Credit.
Contact department for more information about this course. Repeatable for Credit.

AMC 323. Master Class (Percussion). 1 Credit.
Contact department for more information about this course. Repeatable for Credit.

AMC 324. Master Class (Percussion). 1 Credit.
Contact department for more information about this course. Repeatable for Credit.

AMC 331. Master Class (Strings). 1 Credit.
Contact department for more information about this course. Repeatable for Credit.

AMC 333. Master Class (Strings). 1 Credit.
Contact department for more information about this course. Repeatable for Credit.

AMC 334. Master Class (Strings). 1 Credit.
Contact department for more information about this course. Repeatable for Credit.

AMC 343. Master Class (Woodwinds). 1 Credit.
Contact department for more information about this course. Repeatable for Credit.

AMC 344. Master Class (Woodwinds). 1 Credit.
Contact department for more information about this course. Repeatable for Credit.
AME
AME 101. Ensembles for Music Minor. 1 Credit.
This course fulfills the ensemble performance requirement for the Music Performance Minor and should be taken every semester a student participates in a large or small ensemble with the exception of Marching Band and Marching Band Front. Students are introduced to wind, orchestral, and vocal literature as well as rehearsal techniques per their specified participation in one of the large or small ensembles offered every semester. Ensemble participation requires an audition. Audition dates and materials will be provided to interested students. Typically offered in Fall & Spring. Repeatable for Credit.

AMF
AMF 251. Foundations of Music Performance I. 3 Credits.
Foundations of Music Performance I is a performance-based class for non-music majors exploring the fundamental elements of music required to be a better musician and performer. This is the first semester of a two-semester sequence required for the Music Performance Minor.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Fall.

AMF 252. Foundations of Music Performance II. 3 Credits.
Foundations of Music Performance II is a performance-based class for non-music majors exploring the advanced elements of music performance. This is the second semester of a two-semester sequence required for the Music Performance Minor. Students enrolled in AMF 252 must have successfully auditioned for one of WCU’s many performing ensembles.
Pre / Co requisites: AMF 252 prerequisite requires AMF 251 and successful ensemble audition. Typically offered in Spring.

AML
AML 351. Understanding Live Music Performance. 3 Credits.
This course explores live music performance from the perspective of the informed audience member. Attending all Monday night faculty recitals, class participants will write extensively about their experience as audience members, their interaction with performers, and about composers, compositions, and musical styles and genres. Typically offered in Fall.

APC
APC 191. Non-Pitched Percussion Class. 0.5 Credits.
Contact department for more information about this course. Typically offered in Fall & Spring.

APC 192. Pitched Percussion Class. 0.5 Credits.
Contact department for more information about this course. Typically offered in Fall & Spring.

APC 193. Drum Set Class. 0.5 Credits.
Contact department for more information about this course. Typically offered in Spring.

ARC
ARC 391. Woodwind Repertoire Class. 0.5 Credits.
Contact department for more information about this course. Repeatable for Credit.

ARC 392. Brass Repertoire Class. 0.5 Credits.
Contact department for more information about this course. Repeatable for Credit.

ARC 393. String Repertoire Class. 0.5 Credits.
Contact department for more information about this course. Repeatable for Credit.

ARC 394. Percussion Repertoire Class. 0.5 Credits.
Contact department for more information about this course. Repeatable for Credit.

ASC
ASC 191. Violin/Viola Class. 1 Credit.
Contact department for more information about this course. Typically offered in Fall & Spring.

ASC 193. String Repertoire Class. 0.5 Credits.
Contact department for more information about this course.

ASC 194. Cello Class. 0.5 Credits.
Contact department for more information about this course.
Pre / Co requisites: ASC 194 requires prerequisite of ASC 191. Typically offered in Fall & Spring.

ASC 195. Bass Class. 0.5 Credits.
Contact department for more information about this course. Typically offered in Fall & Spring.

ASC 196. Guitar Class. 0.5 Credits.
Contact department for more information about this course. Typically offered in Fall & Spring.

ASC 197. Jazz Bass Class. 0.5 Credits.
This course is designed to gain an understanding of the function of the jazz bass in the jazz ensemble. Typically offered in Spring.

AWC
AWC 191. Single Reed Class. 0.5 Credits.
Contact department for more information about this course. Typically offered in Fall & Spring.

AWC 192. Flute/Recorder Class. 0.5 Credits.
Contact department for more information about this course. Typically offered in Fall & Spring.

AWC 193. Double-Reed Class. 0.5 Credits.
Contact department for more information about this course. Typically offered in Fall & Spring.

AWC 194. Reed Making Class. 0.5 Credits.
Contact department for more information about this course. Typically offered in Fall & Spring. Repeatable for Credit.

BAR
BAR 101. Baritone Horn Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

BAR 102. Baritone Horn Minor Private Lesson. 1 Credit.

BAR 111. Baritone Private Lesson. 1.5 Credit.
Contact department for more information about this course.

BAR 112. Baritone Private Lesson. 1.5 Credit.
Contact department for more information about this course.

BAR 141. Advanced Baritone Horn Lesson (B.A.). 3 Credits.
Contact department for more information about this course.

BAR 142. Advanced Baritone Horn Lesson (B.A.). 3 Credits.
Contact department for more information about this course.

BAR 171. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

BAR 172. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

BAR 201. Baritone Horn Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

BAR 202. Baritone Horn Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

BAR 211. Baritone Private Lesson. 1.5 Credit.
Contact department for more information about this course.

BAR 212. Baritone Private Lesson. 1.5 Credit.
Contact department for more information about this course.

BAR 241. Advanced Baritone Horn Lesson (B.A.). 3 Credits.
Contact department for more information about this course.

BAR 242. Advanced Baritone Horn Lesson (B.A.). 3 Credits.
Contact department for more information about this course.
BAS 271. Private Lesson. 1.5 Credit.
Contact department for more information about this course.
BAS 272. Private Lesson. 1.5 Credit.
Contact department for more information about this course.
BAS 301. Baritone Horn Minor Private Lesson. 1 Credit.
Contact department for more information about this course.
BAS 302. Baritone Horn Minor Private Lesson. 1 Credit.
Contact department for more information about this course.
BAS 311. Baritone Private Lesson. 1.5 Credit.
Contact department for more information about this course.
BAS 312. Baritone Private Lesson. 1.5 Credit.
Contact department for more information about this course.
BAS 341. Advanced Baritone Horn Lesson (B.A.). 3 Credits.
Contact department for more information about this course.
BAS 342. Advanced Baritone Private Lesson (B.A.). 3 Credits.
Contact department for more information about this course.
BAS 371. Private Lesson. 1.5 Credit.
Contact department for more information about this course.
BAS 372. Private Lesson. 1.5 Credit.
Contact department for more information about this course.
BAS 401. Baritone Horn Minor Private Lesson. 1 Credit.
Contact department for more information about this course.
BAS 402. Baritone Horn Minor Private Lesson. 1 Credit.
Contact department for more information about this course.
BAS 411. Baritone Private Lesson. 1.5 Credit.
Contact department for more information about this course.
BAS 412. Baritone Private Lesson. 1.5 Credit.
Contact department for more information about this course.
BAS 441. Advanced Baritone Horn Lesson (B.A.). 3 Credits.
Contact department for more information about this course.
BAS 442. Advanced Baritone Horn Lesson (B.A.). 3 Credits.
Contact department for more information about this course.
BAS 471. Private Lesson. 1.5 Credit.
Contact department for more information about this course.
BAS 472. Private Lesson. 1.5 Credit.
Contact department for more information about this course.
BAS 101. Bass Minor Private Lesson. 1 Credit.
Contact department for more information about this course.
BAS 102. Bass Minor Private Lesson. 1 Credit.
Contact department for more information about this course.
BAS 111. Bass Private Lesson. 1.5 Credit.
Contact department for more information about this course.
BAS 112. Bass Private Lesson. 1.5 Credit.
Contact department for more information about this course.
BAS 141. Advanced Bass Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.
BAS 142. Advanced Bass Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.
BAS 201. Bass Minor Private Lesson. 1 Credit.
Contact department for more information about this course.
BAS 202. Bass Minor Private Lesson. 1 Credit.
Contact department for more information about this course.
BAS 211. Bass Private Lesson. 1.5 Credit.
Contact department for more information about this course.
BAS 212. Bass Private Lesson. 1.5 Credit.
Contact department for more information about this course.
BAS 241. Advanced Bass Private Lesson (B.M.). 3 Credits.
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BAS 372. Private Lesson. 1.5 Credit.
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BAS 401. Bass Minor Private Lesson. 1 Credit.
Contact department for more information about this course.
BAS 402. Bass Minor Private Lesson. 1 Credit.
Contact department for more information about this course.
BAS 411. Bass Private Lesson. 1.5 Credit.
Contact department for more information about this course.
BAS 412. Bass Private Lesson. 1.5 Credit.
Contact department for more information about this course.
BAS 441. Advanced Bass Priv Lesson (B.M.). 3 Credits.
Contact department for more information about this course.
BAS 442. Advanced Bass Priv Lesson (B.M.). 3 Credits.
Contact department for more information about this course.
BAS 471. Private Lesson. 1.5 Credit.
Contact department for more information about this course.
BAS 472. Private Lesson. 1.5 Credit.
Contact department for more information about this course.
BSN 101. Bassoon Minor Private Lesson. 1 Credit.
Contact department for more information about this course.
BSN 102. Bassoon Minor Private Lesson. 1 Credit.
Contact department for more information about this course.
BSN 111. Bassoon Private Lesson. 1.5 Credit.
Contact department for more information about this course.
BSN 112. Bassoon Private Lesson. 1.5 Credit.
Contact department for more information about this course.
BSN 141. Advanced Bassoon Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.
BSN 142. Advanced Bassoon Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.
BSN 171. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

BSN 172. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

BSN 201. Bassoon Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

BSN 202. Bassoon Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

BSN 211. Bassoon Private Lesson. 1.5 Credit.
Contact department for more information about this course.

BSN 212. Bassoon Private Lesson. 1.5 Credit.
Contact department for more information about this course.

BSN 241. Advanced Bassoon Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

BSN 242. Advanced Bassoon Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

BSN 271. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

BSN 272. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

BSN 301. Bassoon Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

BSN 302. Bassoon Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

BSN 311. Bassoon Private Lesson. 1.5 Credit.
Contact department for more information about this course.

BSN 312. Bassoon Private Lesson. 1.5 Credit.
Contact department for more information about this course.

BSN 341. Advanced Bassoon Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

BSN 342. Advanced Bassoon Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

BSN 371. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

BSN 372. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

BSN 401. Bassoon Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

BSN 402. Bassoon Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

BSN 411. Bassoon Private Lesson. 1.5 Credit.
Contact department for more information about this course.

BSN 412. Bassoon Private Lesson. 1.5 Credit.
Contact department for more information about this course.

BSN 441. Advanced Bassoon Priv Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

BSN 442. Advanced Bassoon Priv Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

BSN 471. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

BSN 472. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

CHO

CHO 211. Men’s Chorus. 0.5 Credits.
A chorus presenting the choral literature for male voices. Open to all male students by audition.
Typically offered in Fall & Spring.
Repeatable for Credit.

CHO 212. Women’s Chorus. 0.5 Credits.
A chorus presenting the choral literature for female voices. Open to all female students by audition.
Typically offered in Fall & Spring.
Repeatable for Credit.

CHO 311. Mastersingers. 0.5 Credits.
A chorus presenting oratorios, masses, and more difficult mixed choral literature. Open to all students by audition.
Consent: Permission of the Department required to add.
Typically offered in Fall & Spring.
Repeatable for Credit.

CHO 312. Cantari Donne. 0.5 Credits.
Contact department for more information about this course.
Typically offered in Fall & Spring.
Repeatable for Credit.

CHO 411. Chamber Choir. 0.5 Credits.
Small group of singers specializing in the performance of Renaissance/Baroque, sacred, and secular literature. Membership by audition.
Consent: Permission of the Department required to add.
Typically offered in Fall & Spring.
Repeatable for Credit.

CHO 412. Concert Choir. 0.5 Credits.
Devoted to acquiring a fine technique in choral singing through the preparation of programs for performance. Membership by audition.
Consent: Permission of the Department required to add.
Typically offered in Fall & Spring.
Repeatable for Credit.

CLT

CLT 101. Clarinet Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

CLT 102. Clarinet Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

CLT 111. Clarinet Private Lesson. 1.5 Credit.
Contact department for more information about this course.

CLT 112. Clarinet Private Lesson. 1.5 Credit.
Contact department for more information about this course.

CLT 141. Advanced Clarinet Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

CLT 142. Advanced Clarinet Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

CLT 171. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

CLT 172. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

CLT 201. Clarinet Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

CLT 202. Clarinet Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

CLT 211. Clarinet Private Lesson. 1.5 Credit.
Contact department for more information about this course.

CLT 212. Clarinet Private Lesson. 1.5 Credit.
Contact department for more information about this course.

CLT 241. Advanced Clarinet Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.
Contact department for more information about this course.

**FLU 201. Flute Minor Private Lesson. 1 Credit.**
Contact department for more information about this course.

**FLU 202. Flute Minor Private Lesson. 1 Credit.**
Contact department for more information about this course.

**FLU 211. Flute Private Lesson. 1.5 Credit.**
Contact department for more information about this course.

**FLU 212. Flute Private Lesson. 1.5 Credit.**
Contact department for more information about this course.

**FLU 241. Advanced Flute Private Lesson (B.M.). 3 Credits.**
Contact department for more information about this course.

**FLU 242. Advanced Flute Private Lesson (B.M.). 3 Credits.**
Contact department for more information about this course.

**FLU 271. Private Lesson. 1.5 Credit.**
Contact department for more information about this course.

**FLU 272. Private Lesson. 1.5 Credit.**
Contact department for more information about this course.

**FLU 301. Flute Minor Private Lesson. 1 Credit.**
Contact department for more information about this course.

**FLU 302. Flute Minor Private Lesson. 1 Credit.**
Contact department for more information about this course.

**FLU 311. Flute Private Lesson. 1.5 Credit.**
Contact department for more information about this course.

**FLU 312. Flute Private Lesson. 1.5 Credit.**
Contact department for more information about this course.

**FLU 341. Advanced Flute Private Lesson (B.M.). 3 Credits.**
Contact department for more information about this course.

**FLU 342. Advanced Flute Private Lesson (B.M.). 3 Credits.**
Contact department for more information about this course.

**FLU 371. Private Lesson. 1.5 Credit.**
Contact department for more information about this course.

**FLU 372. Private Lesson. 1.5 Credit.**
Contact department for more information about this course.

**FLU 401. Flute Minor Private Lesson. 1 Credit.**
Contact department for more information about this course.

**FLU 402. Flute Minor Private Lesson. 1 Credit.**
Contact department for more information about this course.

**FLU 411. Flute Private Lesson. 1.5 Credit.**
Contact department for more information about this course.

**FLU 412. Flute Private Lesson. 1.5 Credit.**
Contact department for more information about this course.

**FLU 441. Advanced Flute Priv Lesson (B.M.). 3 Credits.**
Contact department for more information about this course.

**FLU 442. Advanced Flute Priv Lesson (B.M.). 3 Credits.**
Contact department for more information about this course.

**FLU 471. Private Lesson. 1.5 Credit.**
Contact department for more information about this course.

**FLU 472. Private Lesson. 1.5 Credit.**
Contact department for more information about this course.

**FRH 101. French Horn Minor Private Lesson. 1 Credit.**
Contact department for more information about this course.

**FRH 102. French Horn Private Lesson. 1 Credit.**
Contact department for more information about this course.

**FRH 111. French Horn Private Lesson. 1.5 Credit.**
Contact department for more information about this course.

**FRH 112. French Horn Private Lesson. 1.5 Credit.**
Contact department for more information about this course.

**FRH 141. Advanced French Horn Private Lesson (B.M.). 3 Credits.**
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FRH 142. Advanced French Horn Private Lesson (B.M.). 3 Credits.
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FRH 171. Private Lesson. 1.5 Credit.
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FRH 172. Private Lesson. 1.5 Credit.
Contact department for more information about this course.
FRH 201. French Horn Minor Private Lesson. 1 Credit.
Contact department for more information about this course.
FRH 202. French Horn Minor Private Lesson. 1 Credit.
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FRH 211. French Horn Private Lesson. 1.5 Credit.
Contact department for more information about this course.
FRH 212. French Horn Private Lesson. 1.5 Credit.
Contact department for more information about this course.
FRH 241. Advanced French Horn Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.
FRH 242. Advanced French Horn Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.
FRH 271. Private Lesson. 1.5 Credit.
Contact department for more information about this course.
FRH 272. Private Lesson. 1.5 Credit.
Contact department for more information about this course.
FRH 301. French Horn Minor Private Lesson. 1 Credit.
Contact department for more information about this course.
FRH 302. French Horn Minor Private Lesson. 1 Credit.
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FRH 311. French Horn Private Lesson. 1.5 Credit.
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FRH 312. French Horn Private Lesson. 1.5 Credit.
Contact department for more information about this course.
FRH 341. Advanced French Horn Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.
FRH 342. Advanced French Horn Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.
FRH 371. Private Lesson. 1.5 Credit.
Contact department for more information about this course.
FRH 372. Private Lesson. 1.5 Credit.
Contact department for more information about this course.
FRH 401. French Horn Minor Private Lesson. 1 Credit.
Contact department for more information about this course.
FRH 402. French Horn Minor Private Lesson. 1 Credit.
Contact department for more information about this course.
FRH 411. French Horn Private Lesson. 1.5 Credit.
Contact department for more information about this course.
FRH 412. French Horn Private Lesson. 1.5 Credit.
Contact department for more information about this course.
FRH 441. Advanced French Horn Priv Lesson (B.M.). 3 Credits.
Contact department for more information about this course.
FRH 442. Advanced French Horn Priv Lesson (B.M.). 3 Credits.
Contact department for more information about this course.
FRH 471. Private Lesson. 1.5 Credit.
Contact department for more information about this course.
FRH 472. Private Lesson. 1.5 Credit.
Contact department for more information about this course.
GTR
GTR 101. Guitar Minor Private Lesson. 1 Credit.
Contact department for more information about this course.
GTR 102. Guitar Minor Private Lesson. 1 Credit.
Contact department for more information about this course.
GTR 111. Guitar Private Lesson. 1.5 Credit.
Contact department for more information about this course.
GTR 112. Guitar Private Lesson. 1.5 Credit.
Contact department for more information about this course.
GTR 141. Advanced Guitar Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.
GTR 142. Advanced Guitar Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.
GTR 171. Private Lesson. 1.5 Credit.
Contact department for more information about this course.
GTR 172. Private Lesson. 1.5 Credit.
Contact department for more information about this course.
GTR 201. Guitar Minor Private Lesson. 1 Credit.
Contact department for more information about this course.
GTR 202. Guitar Minor Private Lesson. 1 Credit.
Contact department for more information about this course.
GTR 211. Guitar Private Lesson. 1.5 Credit.
Contact department for more information about this course.
GTR 212. Guitar Private Lesson. 1.5 Credit.
Contact department for more information about this course.
GTR 241. Advanced Guitar Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.
GTR 242. Advanced Guitar Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.
GTR 271. Private Lesson. 1.5 Credit.
Contact department for more information about this course.
GTR 272. Private Lesson. 1.5 Credit.
Contact department for more information about this course.
GTR 301. Guitar Minor Private Lesson. 1 Credit.
Contact department for more information about this course.
GTR 302. Guitar Minor Private Lesson. 1 Credit.
Contact department for more information about this course.
GTR 341. Advanced Guitar Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.
GTR 342. Advanced Guitar Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.
GTR 371. Private Lesson. 1.5 Credit.
Contact department for more information about this course.
GTR 372. Private Lesson. 1.5 Credit.
Contact department for more information about this course.
GTR 401. Guitar Minor Private Lesson. 1 Credit.
Contact department for more information about this course.
GTR 402. Guitar Minor Private Lesson. 1 Credit.
Contact department for more information about this course.
GTR 411. Guitar Private Lesson. 1.5 Credit.
Contact department for more information about this course.
GTR 412. Guitar Private Lesson. 1.5 Credit.
Contact department for more information about this course.
GTR 441. Advanced Guitar Priv Lesson (B.M.). 3 Credits.
Contact department for more information about this course.
GTR 472. Advanced Guitar Priv Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

GTR 471. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

GTR 472. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

HAR
HAR 101. Harpsichord Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

HAR 102. Harpsichord Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

HAR 111. Harpsichord Private Lesson. 1.5 Credit.
Contact department for more information about this course.

HAR 112. Harpsichord Private Lesson. 1.5 Credit.
Contact department for more information about this course.

HAR 201. Harpsichord Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

HAR 202. Harpsichord Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

HAR 211. Harpsichord Private Lesson. 1.5 Credit.
Contact department for more information about this course.

HAR 212. Harpsichord Private Lesson. 1.5 Credit.
Contact department for more information about this course.

HAR 301. Harpsichord Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

HAR 302. Harpsichord Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

HAR 311. Harpsichord Private Lesson. 1.5 Credit.
Contact department for more information about this course.

HAR 312. Harpsichord Private Lesson. 1.5 Credit.
Contact department for more information about this course.

HAR 401. Harpsichord Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

HAR 402. Harpsichord Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

HAR 411. Harpsichord Private Lesson. 1.5 Credit.
Contact department for more information about this course.

HAR 412. Harpsichord Private Lesson. 1.5 Credit.
Contact department for more information about this course.

HAR 413. Senior Harpsichord Recital. 1 Credit.
Contact department for more information about this course.

HAR
HAR 101. Harp Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

HAR 102. Harp Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

HAR 111. Harp Private Lesson. 1.5 Credit.
Contact department for more information about this course.

HAR 112. Harp Private Lesson. 1.5 Credit.
Contact department for more information about this course.

HAR 172. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

HAR 201. Harp Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

HAR 202. Harp MinorPrivate Lesson. 1 Credit.
Contact department for more information about this course.

HAR 211. Harp Private Lesson. 1.5 Credit.
Contact department for more information about this course.

HAR 212. Harp Private Lesson. 1.5 Credit.
Contact department for more information about this course.

HAR 241. Advanced Harp Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

HAR 242. Advanced Harp Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

HAR 271. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

HAR 272. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

HAR 301. Harp Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

HAR 302. Harp Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

HAR 311. Harp Private Lesson. 1.5 Credit.
Contact department for more information about this course.

HAR 312. Harp Private Lesson. 1.5 Credit.
Contact department for more information about this course.

HAR 401. Harp Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

HAR 402. Harp Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

HAR 411. Harp Private Lesson. 1.5 Credit.
Contact department for more information about this course.

HAR 412. Harp Private Lesson. 1.5 Credit.
Contact department for more information about this course.

HAR 413. Advanced Harp Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

INS
INS 471. Advanced Instrumental Lesson. 2 Credits.
Contact department for more information about this course.

INS 472. Advanced Instrumental Lesson. 2 Credits.
Contact department for more information about this course.

INS 473. Advanced Instrumental Lesson. 2 Credits.
Contact department for more information about this course.
JPI

JPI 412. Jazz Major Private Lesson (Piano). 2 Credits.
Contact department for more information about this course.

MAK

MAK 311. Master Class Keyboard. 1 Credit.
Experience in performing memorized literature. Class members also play two piano compositions and ensemble music for piano and other instruments. Repeatable for Credit.

MAK 312. Master Class Keyboard. 1 Credit.
Experience in performing memorized literature. Class members also play two piano compositions and ensemble music for piano and other instruments. Repeatable for Credit.

MAK 313. Master Class Keyboard. 1 Credit.
Experience in performing memorized literature. Class members also play two piano compositions and ensemble music for piano and other instruments. Repeatable for Credit.

MAK 314. Master Class Keyboard. 1 Credit.
Experience in performing memorized literature. Class members also play two piano compositions and ensemble music for piano and other instruments. Repeatable for Credit.

MIP

MIP 310. Musician Injury Prevention. 1 Credit.
This course investigates injury prevention and treatment for performing musicians. Typically offered in Spring.

MRC

MRC 251. Music Rhythm Class. 1 Credit.
This course is designed to help music majors and minors improve their rhythmic understanding and application. Meter and motion, internal subdivision, pattern recognition and techniques to learn new music will be restored. Typically offered in Fall & Spring.

OBO

OBO 101. Oboe Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

OBO 102. Oboe Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

OBO 111. Oboe Private Lesson. 1.5 Credit.
Contact department for more information about this course.

OBO 112. Oboe Private Lesson. 1.5 Credit.
Contact department for more information about this course.

OBO 141. Advanced Oboe Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

OBO 142. Advanced Oboe Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

OBO 171. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

OBO 172. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

OBO 201. Oboe Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

OBO 202. Oboe Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

OBO 211. Oboe Private Lesson. 1.5 Credit.
Contact department for more information about this course.

OBO 212. Oboe Private Lesson. 1.5 Credit.
Contact department for more information about this course.

OBO 241. Advanced Oboe Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

OBO 242. Advanced Oboe Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

OBO 271. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

OBO 272. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

OBO 301. Oboe Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

OBO 302. Oboe Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

OBO 311. Oboe Private Lesson. 1.5 Credit.
Contact department for more information about this course.

OBO 312. Oboe Private Lesson. 1.5 Credit.
Contact department for more information about this course.

OBO 341. Advanced Oboe Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

OBO 342. Advanced Oboe Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

OBO 371. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

OBO 372. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

OBO 401. Oboe Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

OBO 402. Oboe Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

OBO 411. Oboe Private Lesson. 1.5 Credit.
Contact department for more information about this course.

OBO 412. Oboe Private Lesson. 1.5 Credit.
Contact department for more information about this course.

OBO 441. Advanced Oboe Priv Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

OBO 442. Advanced Oboe Priv Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

OBO 471. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

OBO 472. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

ORG

ORG 101. Organ Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

ORG 102. Organ Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

ORG 111. Organ Private Lesson. 1.5 Credit.
Contact department for more information about this course.

ORG 112. Organ Private Lesson. 1.5 Credit.
Contact department for more information about this course.

ORG 141. Advanced Organ Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

ORG 142. Advanced Organ Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

ORG 171. Private Lesson. 1.5 Credit.
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ORG 172. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

ORG 201. Organ Minor Private Lesson. 1 Credit.
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ORG 202. Organ Minor Private Lesson. 1 Credit.
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ORG 211. Organ Private Lesson. 1.5 Credit.
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ORG 212. Organ Private Lesson. 1.5 Credit.
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ORG 241. Advanced Organ Private Lesson (B.M.). 3 Credits.
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ORG 242. Advanced Organ Private Lesson (B.M.). 3 Credits.
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ORG 271. Private Lesson. 1.5 Credit.
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ORG 272. Private Lesson. 1.5 Credit.
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ORG 301. Organ Minor Private Lesson. 1 Credit.
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ORG 302. Organ Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

ORG 311. Organ Private Lesson. 1.5 Credit.
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ORG 312. Organ Private Lesson. 1.5 Credit.
Contact department for more information about this course.

ORG 341. Advanced Organ Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

ORG 342. Advanced Organ Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

ORG 351. Organ Literature I. 3 Credits.
A survey of literature for the organ from the 13th century to the Baroque period; influence of the organ on the literature.

ORG 352. Organ Literature II. 3 Credits.
A survey of literature for the organ from J. S. Bach to the present; influence of the organ on the literature. Recordings and performances by organ majors will be evaluated.

ORG 353. Organ Pedagogy. 3 Credits.
Dynamics of the one-to-one teacher-student relationship. An in-depth study of standard teaching materials. Practical experience in individual instruction.

ORG 371. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

ORG 372. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

ORG 401. Organ Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

ORG 402. Organ Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

ORG 411. Organ Private Lesson. 1.5 Credit.
Contact department for more information about this course.

ORG 412. Organ Private Lesson. 1.5 Credit.
Contact department for more information about this course.

ORG 413. Senior Organ Recital. 1 Credit.
Contact department for more information about this course.

ORG 441. Advanced Organ Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

ORG 442. Advanced Organ Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

ORG 451. Accompanying. 3 Credits.
Performance of the vocal and instrumental accompanying literature for organ from all periods; performance and reading sessions.

ORG 452. Service Playing. 3 Credits.
A study of challenges in service playing.

ORG 471. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

ORG 472. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

PER

PER 101. Percussion Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

PER 102. Percussion Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

PER 111. Percussion Private Lesson. 1.5 Credit.
Contact department for more information about this course.

PER 112. Percussion Private Lesson. 1.5 Credit.
Contact department for more information about this course.

PER 141. Advanced Percussion Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

PER 142. Advanced Percussion Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

PER 211. Percussion Private Lesson. 1.5 Credit.
Contact department for more information about this course.

PER 212. Percussion Private Lesson. 1.5 Credit.
Contact department for more information about this course.

PER 241. Advanced Percussion Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

PER 242. Advanced Percussion Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

PER 271. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

PER 272. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

PER 301. Percussion Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

PER 302. Percussion Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

PER 311. Percussion Private Lesson. 1.5 Credit.
Contact department for more information about this course.

PER 312. Percussion Private Lesson. 1.5 Credit.
Contact department for more information about this course.

PER 341. Advanced Percussion Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

PER 342. Advanced Percussion Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

PER 371. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

PER 372. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

PER 401. Percussion Minor Private Lesson. 1 Credit.
Contact department for more information about this course.
PER 402. Percussion Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

PER 411. Percussion Private Lesson. 1.5 Credit.
Contact department for more information about this course.

PER 412. Percussion Private Lesson. 1.5 Credit.
Contact department for more information about this course.

PER 441. Advanced Percussion Priv Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

PER 442. Advanced Percussion Priv Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

PER 471. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

PER 472. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

PIA

PIA 101. Piano Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

PIA 102. Piano Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

PIA 111. Piano Private Lesson. 1.5 Credit.
Contact department for more information about this course.

PIA 112. Piano Private Lesson. 1.5 Credit.
Contact department for more information about this course.

PIA 130. Music for Piano. 3 Credits.
An introductory course in the history and appreciation of keyboard literature from the 16th to the 20th century. This is a basic course for nonmusic majors. Not open to music majors. Typically offered in Fall & Spring.

PIA 141. Advanced Piano Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

PIA 142. Advanced Piano Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

PIA 171. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

PIA 172. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

PIA 181. Class Piano for Non-Music Majors. 1 Credit.
Contact department for more information about this course. Typically offered in Fall & Spring. Repeatable for Credit.

PIA 182. Class Piano for Non-Music Majors. 1 Credit.
Contact department for more information about this course. Typically offered in Fall & Spring. Repeatable for Credit.

PIA 191. Piano Class (Minor). 0.5 Credits.
Contact department for more information about this course. Typically offered in Fall & Spring.

PIA 192. Piano Class (Minor). 0.5 Credits.
Contact department for more information about this course. Typically offered in Fall & Spring.

PIA 201. Piano Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

PIA 202. Piano Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

PIA 211. Piano Private Lesson. 1.5 Credit.
Contact department for more information about this course.

PIA 212. Piano Private Lesson. 1.5 Credit.
Contact department for more information about this course.

PIA 223. Classroom Piano Skills-Inst/Vocal. 0.5 Credits.
Class instruction once per week in minor performance area for vocal music education majors. Typically offered in Fall.

PIA 224. Advanced Piano Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

PIA 231. Piano Private Lesson. 1 Credit.
Contact department for more information about this course.

PIA 232. Advanced Piano Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

PIA 233. Classroom Piano Skills. 1 Credit.
Class instruction once per week in rote song harmonization, transposition, patriotic songs, and sight reading on electronic keyboards for music education piano majors. Typically offered in Spring.

PIA 235. Keyboard Repertoire. 0.5 Credits.
A weekly performance class for sophomore music education keyboard majors. Typically offered in Fall. Repeatable for Credit.

PIA 241. Advanced Piano Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

PIA 242. Advanced Piano Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

PIA 271. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

PIA 272. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

PIA 291. Piano Class. 1 Credit.
Activity Course.
Typically offered in Fall & Spring.

PIA 292. Piano Class. 1 Credit.
Activity Course.
Typically offered in Fall & Spring.

PIA 301. Piano Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

PIA 302. Piano Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

PIA 311. Piano Private Lesson. 1.5 Credit.
Contact department for more information about this course.

PIA 312. Piano Private Lesson. 1.5 Credit.
Contact department for more information about this course.

PIA 330. Jazz Keyboard Improvisation. 1 Credit.
Contact department for more information about this course. Typically offered in Spring.

PIA 334. Keyboard Accompanying. 1 Credit.
Class instruction once per week in accompanying, score reading, popular music, and sight reading for vocal music education majors. Typically offered in Spring.

PIA 340. Advanced Jazz Keyboard Improvisation. 1 Credit.
Contact department for more information about this course. Repeatable for Credit.

PIA 341. Advanced Piano Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

PIA 342. Advanced Piano Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

PIA 371. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

PIA 372. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

PIA 401. Piano Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

PIA 402. Piano Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

PIA 405. Accompanying (Vocal). 3 Credits.
Performance of the vocal accompanying literature from all periods; performance and reading sessions in class. Typically offered in Fall.
PIA 406. Accompanying (Instrumental). 3 Credits.
Performance of the instrumental accompanying literature from all periods; emphasis on the sonata literature; performance and reading sessions in class. Typically offered in Fall.

PIA 410. Independent Studies. 1-3 Credits.
Special research projects, reports, or readings in keyboard music. Permission of department chairperson required. Consent: Permission of the Department required to add.

PIA 411. Piano Private Lesson. 1.5 Credit.
Contact department for more information about this course.

PIA 412. Piano Private Lesson. 1.5 Credit.
Contact department for more information about this course.

PIA 413. Senior Piano Recital. 1 Credit.
Contact department for more information about this course.

PIA 423. Baroque Keyboard Literature. 3 Credits.

PIA 424. Classical Piano Literature. 3 Credits.

PIA 425. Romantic Piano Literature. 3 Credits.

PIA 426. 20th Century Piano Literature. 3 Credits.

PIA 427. The Concerto. 3 Credits.

PIA 428. The Music Of Chopin. 3 Credits.
Contact department for more information about this course.

PIA 431. Advanced Piano Private Lesson (B.A.). 3 Credits.
Contact department for more information about this course.

PIA 441. Advanced Piano Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

PIA 442. Advanced Piano Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

PIA 443. Keyboard Ensemble. 0.5 Credits.
The class will focus on a variety of ensemble experiences, including duets and accompanying choral groups.

PIA 450. Group Piano Pedagogy. 3 Credits.
Procedures and materials for group piano instruction. Emphasis on developing comprehensive musicianship through an interwoven study of literature, musical analysis, technique, improvisation, ear training, harmony, transposition, and sight reading. Includes practicum in group piano instruction.

PIA 451. Piano Pedagogy I. 3 Credits.
An in-depth study of materials available to the studio piano teacher for the elementary levels. Discussions include different methods, technique, harmony, ear training, and sight reading. Includes practicum in individual instruction.

PIA 452. Piano Pedagogy II. 3 Credits.
An in-depth study of repertoire and materials available to the studio piano teacher for the intermediate levels. Discussion of related concerns such as memorization, practice techniques, developing technique through literature, principles of fingering, and sight reading. Includes practicum in individual instruction.

PIA 453. Selected Topics in Piano Pedagogy. 3 Credits.
Further exploration of the goals and objectives of piano study through presentation of selected topics and continued practicum in individual instruction.

PIA 454. Piano Tuning & Repair. 3 Credits.
Contact department for more information about this course.

PIA 455. Internship in Piano Tuning & Repair. 3 Credits.
Contact department for more information about this course.

PIA 471. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

PIA 472. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

PIA 473. Advanced Piano Lesson. 2 Credits.
Contact department for more information about this course.

PIA 474. Advanced Piano Lesson. 2 Credits.
Contact department for more information about this course.

SAX

SAX 101. Saxophone Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

SAX 102. Saxophone Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

SAX 111. Saxophone Private Lesson. 1.5 Credit.
Contact department for more information about this course.

SAX 112. Saxophone Private Lesson. 1.5 Credit.
Contact department for more information about this course.

SAX 141. Advanced Saxophone Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

SAX 142. Advanced Saxophone Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

SAX 171. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

SAX 172. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

SAX 201. Saxophone Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

SAX 202. Saxophone Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

SAX 211. Saxophone Private Lesson. 1.5 Credit.
Contact department for more information about this course.

SAX 212. Saxophone Private Lesson. 1.5 Credit.
Contact department for more information about this course.

SAX 241. Advanced Saxophone Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

SAX 242. Advanced Saxophone Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

SAX 271. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

SAX 272. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

SAX 301. Saxophone Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

SAX 302. Saxophone Minor Private Lesson. 1 Credit.
Contact department for more information about this course.
SAX 311. Saxophone Private Lesson. 1.5 Credit.
Contact department for more information about this course.

TBA 211. Tuba Private Lesson. 1.5 Credit.
Contact department for more information about this course.

TBA 212. Tuba Private Lesson. 1.5 Credit.
Contact department for more information about this course.

TBA 341. Advanced Saxophone Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

TBA 342. Advanced Saxophone Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

TBA 371. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

TBA 372. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

TBA 401. Saxophone Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

TBA 402. Saxophone Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

TBA 411. Saxophone Private Lesson. 1.5 Credit.
Contact department for more information about this course.

TBA 412. Saxophone Private Lesson. 1.5 Credit.
Contact department for more information about this course.

TBA 441. Advanced Saxophone Priv Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

TBA 442. Advanced Saxophone Priv Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

TBA 471. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

TBA 472. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

TBA 101. Tuba Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

TBA 102. Tuba Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

TBA 111. Tuba Private Lesson. 1.5 Credit.
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TBA 112. Tuba Private Lesson. 1.5 Credit.
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TBA 141. Advanced Tuba Private Lesson (B.M.). 3 Credits.
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TBA 142. Advanced Tuba Private Lesson (B.M.). 3 Credits.
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TBA 171. Private Lesson. 1.5 Credit.
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TBA 172. Private Lesson. 1.5 Credit.
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TBA 201. Tuba Minor Private Lesson. 1 Credit.
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TBA 212. Tuba Private Lesson. 1.5 Credit.
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TBA 241. Advanced Tuba Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

TBA 242. Advanced Tuba Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

TBA 271. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

TBA 272. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

TBA 301. Tuba Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

TBA 302. Tuba Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

TBA 311. Tuba Private Lesson. 1.5 Credit.
Contact department for more information about this course.

TBA 312. Tuba Private Lesson. 1.5 Credit.
Contact department for more information about this course.

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Contact department for more information about this course.

TBA 342. Advanced Tuba Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

TBA 371. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

TBA 372. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

TBA 441. Advanced Tuba Priv Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

TBA 442. Advanced Tuba Priv Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

TBA 471. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

TBA 472. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

TPT 101. Trumpet Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

TPT 102. Trumpet Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

TPT 111. Trumpet Private Lesson. 1.5 Credit.
Contact department for more information about this course.

TPT 112. Trumpet Private Lesson. 1.5 Credit.
Contact department for more information about this course.

TPT 201. Trumpet Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

TPT 202. Trumpet Minor Private Lesson. 1 Credit.
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TPT 211. Trumpet Private Lesson. 1.5 Credit.
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TPT 212. Trumpet Private Lesson. 1.5 Credit.
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TPT 241. Advanced Trumpet Private Lesson (B.M.). 3 Credits.
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TPT 242. Advanced Trumpet Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.
TPT 271. Private Lesson. 1.5 Credit.
Contact department for more information about this course.
TPT 272. Private Lesson. 1.5 Credit.
Contact department for more information about this course.
TPT 442. Advanced Trumpet Priv Lesson (B.M.). 3 Credits.
Contact department for more information about this course.
TPT 441. Advanced Trumpet Priv Lesson (B.M.). 3 Credits.
Contact department for more information about this course.
TPT 412. Trumpet Private Lesson. 1.5 Credit.
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TPT 411. Trumpet Private Lesson. 1.5 Credit.
Contact department for more information about this course.
TPT 371. Private Lesson. 1.5 Credit.
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TPT 372. Private Lesson. 1.5 Credit.
Contact department for more information about this course.
TPT 401. Trumpet Minor Private Lesson. 1 Credit.
Contact department for more information about this course.
TPT 402. Trumpet Minor Private Lesson. 1 Credit.
Contact department for more information about this course.
TPT 342. Advanced Trumpet Private Lesson (B.M.). 3 Credits.
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TPT 312. Trumpet Private Lesson. 1.5 Credit.
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TPT 311. Trumpet Private Lesson. 1.5 Credit.
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TPT 302. Trumpet Minor Private Lesson. 1 Credit.
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TPT 271. Private Lesson. 1.5 Credit.
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TPT 401. Trumpet Minor Private Lesson. 1 Credit.
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TPT 342. Advanced Trumpet Private Lesson (B.M.). 3 Credits.
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TPT 341. Advanced Trumpet Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.
TPT 312. Trumpet Private Lesson. 1.5 Credit.
Contact department for more information about this course.
TPT 311. Trumpet Private Lesson. 1.5 Credit.
Contact department for more information about this course.
TRB 101. Trombone Minor Private Lesson. 1 Credit.
Contact department for more information about this course.
TRB 102. Trombone Minor Private Lesson. 1 Credit.
Contact department for more information about this course.
TRB 111. Trombone Private Lesson. 1.5 Credit.
Contact department for more information about this course.
TRB 112. Trombone Private Lesson. 1.5 Credit.
Contact department for more information about this course.
TRB 141. Advanced Trombone Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.
TRB 142. Advanced Trombone Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.
TRB 171. Private Lesson. 1.5 Credit.
Contact department for more information about this course.
TRB 172. Private Lesson. 1.5 Credit.
Contact department for more information about this course.
TRB 201. Trombone Minor Private Lesson. 1 Credit.
Contact department for more information about this course.
TRB 202. Trombone Minor Private Lesson. 1 Credit.
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TRB 211. Trombone Private Lesson. 1.5 Credit.
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TRB 241. Advanced Trombone Private Lesson (B.M.). 3 Credits.
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TRB 242. Advanced Trombone Private Lesson (B.M.). 3 Credits.
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TRB 271. Private Lesson. 1.5 Credit.
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TRB 272. Private Lesson. 1.5 Credit.
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TRB 301. Trombone Minor Private Lesson. 1 Credit.
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TRB 342. Advanced Trombone Private Lesson (B.M.). 3 Credits.
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TRB 272. Private Lesson. 1.5 Credit.
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TRB 401. Trombone Minor Private Lesson. 1 Credit.
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TRB 402. Trombone Minor Private Lesson. 1 Credit.
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TRB 411. Trombone Private Lesson. 1.5 Credit.
Contact department for more information about this course.
TRB 412. Trombone Private Lesson. 1.5 Credit.
Contact department for more information about this course.
TRB 442. Advanced Trombone Priv Lesson (B.M.). 3 Credits.
Contact department for more information about this course.
TRB 441. Advanced Trombone Priv Lesson (B.M.). 3 Credits.
Contact department for more information about this course.
TRB 471. Private Lesson. 1.5 Credit.
Contact department for more information about this course.
TRB 472. Private Lesson. 1.5 Credit.
Contact department for more information about this course.
VCL
VCL 101. Cello Minor Private Lesson. 1 Credit.
Contact department for more information about this course.
VCL 102. Cello Minor Private Lesson. 1 Credit.
Contact department for more information about this course.
VCL 111. Cello Private Lesson. 1.5 Credit.
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VCL 112. Cello Private Lesson. 1.5 Credit.
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VCL 141. Advanced Cello Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

VCL 142. Advanced Cello Private Lesson (B.M.). 3 Credits.
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VCL 171. Private Lesson. 1.5 Credit.
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VCL 172. Private Lesson. 1.5 Credit.
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VCL 201. Cello Minor Private Lesson. 1 Credit.
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VCL 202. Cello Minor Private Lesson. 1 Credit.
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VCL 212. Cello Private Lesson. 1.5 Credit.
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VCL 241. Advanced Cello Private Lesson (B.M.). 3 Credits.
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VCL 242. Advanced Cello Private Lesson (B.M.). 3 Credits.
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VCL 271. Private Lesson. 1.5 Credit.
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VCL 272. Private Lesson. 1.5 Credit.
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VCL 301. Cello Minor Private Lesson. 1 Credit.
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VCL 411. Cello Private Lesson. 1.5 Credit.
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VCL 412. Cello Private Lesson. 1.5 Credit.
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VCL 441. Advanced Cello Priv Lesson (B.M.). 3 Credits.
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VCL 442. Advanced Cello Priv Lesson (B.M.). 3 Credits.
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VCL 471. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

VCL 472. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

VLA

VLA 101. Viola Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

VLA 102. Viola Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

VLA 111. Viola Private Lesson. 1.5 Credit.
Contact department for more information about this course.

VLA 112. Viola Private Lesson. 1.5 Credit.
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VLA 141. Advanced Viola Private Lesson (B.M.). 3 Credits.
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VLA 142. Advanced Viola Private Lesson (B.M.). 3 Credits.
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VLA 471. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

VLA 472. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

VLA 472. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

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Contact department for more information about this course.

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Contact department for more information about this course.

VLA 472. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

VOC 135. International Phonetic Alphabet (IPA). 0.5 Credits.
The study of the International Phonetic Alphabet (IPA).
Typically offered in Fall & Spring.

VOC 227. Literature of the Musical Theater. 2 Credits.
The literature of the musical theater from Singspiel to Broadway musical. Changes in style are observed and analyzed.

VOC 236. SHOW CHOIR. 0.5 Credits.
Class instruction once per week in the study of show choir.
Repeatable for Credit.

VOC 311. Choral Conducting I. 2 Credits.
A practical application of conducting and vocal techniques in choral direction through practice in conducting a choral group.
Typically offered in Fall & Spring.
Repeatable for Credit.

VOC 312. Choral Conducting II. 2 Credits.
Continued development of the conducting techniques with emphasis on conducting of polyphonic choral music and on the musical styles of the various choral periods.
Pre / Co requisites: VOC 312 requires prerequisites of VOC 311 or AIC 311.
Typically offered in Fall & Spring.

VOC 315. English Diction for Singers. 1 Credit.
English, Italian, and Latin diction for singers. Use of phonetics with application to singing of selected songs.

VOC 316. Italian Diction for Singers. 1 Credit.
Use of phonetics with application to singing selected songs.

VOC 411. Master Class (Voice): Baroque Period. 1.5 Credit.
This course is designed as a performance class with emphasis on Baroque vocal literature, the style and history.
Typically offered in Spring.

VOC 412. Master Class (Voice): German Lied. 1.5 Credit.
This course is designed to help the student with the preparation and performance of German Lieder. We will study the appropriate diction, style, and practical performance of the German vocal literature.
Typically offered in Fall.

VOC 413. Master Class (Voice): French Mélodie. 1.5 Credit.
In this course students will learn about the history and style of French mélodie from the middle ages through the 20th century. Special emphasis will be given to the major song composers and poets of the 18th and 19th centuries.
Typically offered in Fall.

"Typically offered in Fall."
VOC 414. Master Class (Voice): Modern Art Song. 1.5 Credit.
This course is designed to help the student with the preparation and performance of American Art Song. We will study the appropriate style and practical performance of the American vocal literature.
Typically offered in Spring.

VOC 416. German Diction for Singers. 1 Credit.
German diction for singers. Use of phonetics with application to singing of selected songs.

VOC 417. French Diction for Singers. 1 Credit.
French diction: Use of phonetics with application to singing selected songs.

VOC 418. Advanced Choral Conducting. 2 Credits.
Study and application of advanced choral conducting techniques.
Pre / Co requisites: VOC 418 requires prerequisite of VOC 312.
Typically offered in Fall & Spring.

VOC 421. Opera Workshop. 2 Credits.
The preparation of a musical production; coaching of scenes, stage movement, and costuming.
Typically offered in Fall & Spring.
Repeatable for Credit.

VOC 424. Musico-Dramatic Production. 1-3 Credits.
Major roles and/or major responsibilities in extended productions. By audition.
Consent: Permission of the Department required to add.
Typically offered in Fall & Spring.
Repeatable for Credit.

VOC 426. Choral Literature. 2 Credits.
The development and performance style of the choral repertoire.

VOC 429. Special Subjects Seminar. 1-3 Credits.
Contact department for more information about this course.
Repeatable for Credit.

VOC 436. Vocal-Choral Music Workshop. 1-3 Credits.
Specialized workshops in the area of vocal and/or choral music. Subject to be announced at the time of the offering.
Typically offered in Summer.
Repeatable for Credit.

VOC 491. Vocal Pedagogy. 2 Credits.
Principles and techniques of teaching voice.
Typically offered in Spring.

VOI 101. Voice Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

VOI 102. Voice Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

VOI 111. Voice Private Lesson. 1.5 Credit.
Contact department for more information about this course.

VOI 112. Voice Private Lesson. 1.5 Credit.
Contact department for more information about this course.

VOI 141. Advanced Voice Major Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

VOI 142. Advanced Voice Major Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

VOI 151. Voice Minor Private Lesson (Music Theatre). 1 Credit.
Contact department for more information about this course.

VOI 152. Voice Minor Private Lesson (Music Theatre). 1 Credit.
Contact department for more information about this course.

VOI 171. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

VOI 172. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

VOI 181. Class Voice for Non-Music Majors. 1 Credit.
Class instruction in singing skills for nonmusic majors. Previous voice study not required.
Typically offered in Fall.

VOI 182. Class Voice for Non-Music Majors. 1 Credit.
Class instruction in singing skills for non-music majors.
Typically offered in Spring.

VOI 191. Voice Class (Minor). 0.5 Credits.
Class instruction in a minor performance area. Open to nonmusic majors with permission of the department chairperson.
Typically offered in Fall & Spring.

VOI 192. Voice Class (Minor). 0.5 Credits.
Continuation of VOI 191.
Pre / Co requisites: VOI 192 requires a prerequisite of VOI 191.
Typically offered in Fall & Spring.

VOI 201. Voice Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

VOI 202. Voice Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

VOI 211. Voice Private Lesson. 1.5 Credit.
Contact department for more information about this course.

VOI 212. Voice Private Lesson. 1.5 Credit.
Contact department for more information about this course.

VOI 241. Advanced Voice Major Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

VOI 242. Advanced Voice Major Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

VOI 251. Voice Minor Private Lesson (Music Theatre). 1 Credit.
Contact department for more information about this course.

VOI 252. Voice Minor Private Lesson (Music Theatre). 1 Credit.
Contact department for more information about this course.

VOI 271. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

VOI 272. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

VOI 291. Voice Class. 1 Credit.
Pre / Co requisites: VOI 291 requires prerequisites of VOI 191 and VOI 192.
Typically offered in Fall & Spring.

VOI 301. Voice Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

VOI 302. Voice Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

VOI 311. Voice Private Lesson. 1.5 Credit.
Contact department for more information about this course.

VOI 312. Voice Private Lesson. 1.5 Credit.
Contact department for more information about this course.

VOI 341. Advanced Voice Major Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

VOI 342. Advanced Voice Major Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

VOI 351. Voice Minor Private Lesson (Music Theatre). 1 Credit.
Contact department for more information about this course.

VOI 352. Voice Lesson Private Lesson (Music Theatre). 1 Credit.
Contact department for more information about this course.

VOI 371. Private Lesson. 1.5 Credit.
Contact department for more information about this course.
B.M. IN PERFORMANCE

School of Music

Curriculum

The B.M. in Performance is for students who demonstrate a high degree of ability on their chosen instrument and who desire to concentrate on developing that ability. Majors in the program should consult the Handbook for Students in Music - Undergraduate Division for the current general and music requirements.

General Education Requirements [http://catalog.wcupa.edu/undergraduate/general-education-requirements]

- English Composition requirements: 6
- Mathematics requirement: 3
- Public Speaking requirement: 3
- Science requirements: 6
- Behavioral & Social Science requirements: 6
- Humanities requirements: 6
- Arts requirement: 6
- Diverse Communities requirement: 6
- Interdisciplinary requirement: 6
- Student Electives: 9
- Writing Emphasis requirements: 9

Language Requirement (for vocal track only):
Demonstrating language proficiency through the intermediate level (202).

Theory Requirements

- MTC 112 Theory of Music I: 3
- MTC 113 Theory of Music II: 3
- MTC 114 Aural Activities I: 2
- MTC 115 Aural Activities II: 2
- MTC 212 Theory of Music III: 3
- MTC 213 Theory of Music IV: 3
- MTC 214 Aural Activities III: 2
- MTC 215 Aural Activities IV: 2

Music History Requirements

- MHL 210 Music History I: 3
- MHL 211 Music History II: 3
- MHL 212 Music History III: 3

Private Lessons

Select 24 semester hours: 24

Required Music Courses

Conducting, minor lessons, ensembles, music electives: 8-21

Other Music Requirements

Select one of the concentrations listed below: 13-22

Recital Attendance

Total Minimum Credits Required: 120

For Instrumentalists

Music literature, small ensemble, piano competency: 4

For Vocalists

VOC 315 English Diction for Singers: 1
VOC 316 Italian Diction for Singers: 1
VOC 411 Master Class (Voice): Baroque Period: 1.5
VOC 412 Master Class (Voice): German Lied: 1.5
VOC 413 Master Class (Voice): French Melodie: 1.5
VOC 414 Master Class (Voice): Modern Art Song: 1.5
VOC 416 German Diction for Singers: 1
VOC 417 French Diction for Singers: 1
VOC 424 Musico-Dramatic Production: 1-3
VOC 491 Vocal Pedagogy: 2

Total Credits: 13-15

For Pianists

MAK 311 Master Class Keyboard: 1
MAK 312 Master Class Keyboard: 1
MAK 313 Master Class Keyboard: 1
MAK 314 Master Class Keyboard: 1
PIA 405 Accompanying (Vocal): 3
PIA 406 Accompanying (Instrumental): 3
Select two of the following: 6
- PIA 423 Baroque Keyboard Literature
- PIA 424 Classical Piano Literature
- PIA 425 Romantic Piano Literature
- PIA 426 20th Century Piano Literature
- PIA 427 The Concerto
Select one of the following: 3
- PIA 451 Piano Pedagogy I
- PIA 452 Piano Pedagogy II
- PIA 453 Selected Topics in Piano Pedagogy

Total Credits: 19

Pedagogy Emphasis

MAK 311 Master Class Keyboard: 1
MAK 312 Master Class Keyboard: 1
MAK 313 Master Class Keyboard: 1
MAK 314 Master Class Keyboard: 1
PIA 405 Accompanying (Vocal): 3
PIA 406 Accompanying (Instrumental): 3
PIA 450 Group Piano Pedagogy: 3
PIA 451 Piano Pedagogy I: 3
or PIA 453 Selected Topics in Piano Pedagogy
PIA 452 Piano Pedagogy II: 3
Select one of the following: 3
- PIA 423 Baroque Keyboard Literature
- PIA 424 Classical Piano Literature
- PIA 425 Romantic Piano Literature
- PIA 426 20th Century Piano Literature
- PIA 427 The Concerto

Total Credits: 22
Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

B.M. Music Performance: Instrument

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| **Semester Four** | | |
| MTC 213 | Theory of Music IV | 3 |
| MTC 215 | Aural Activities IV | 2 |
| MHL 211 | Music History II ¹ | 3 |
| Major Lessons - ___ 242 | 3 |
| Minor Lessons - ___ 102 | 1 |
| Major Band - AEB/AEO/AES ____ | 0.5-1 |
| PIA 292 | Piano Class | 1 |
| General Education Course ² | 3 |
| Recital Attendance | | |
| **Credits** | 16.5-17 | |
| **Year Three** | | |
| **Semester Five** | | |
| MTC 341 | Orchestration (fall only) ² | 3 |
| Major Lessons - ___ 341 | 3 |
| Minor Lessons - ___ 202 | 1 |
| Major Band - AEB/AEO/AES ____ | 0.5-1 |
| Small Ensemble - AES ____ | 0.5 |
| AIC 311 | Instrumental Conducting I | 2 |
| General Education Course ² | 3 |
| Recital Attendance | | |
| **Credits** | 16-16.5 | |
| **Semester Six** | | |
| Counterpoint - MTC 34_ ² | 3 |
| Major Lessons - ___ 342 | 3 |
| Minor Lessons - ___ 202 | 1 |
| Major Band - AEB/AEO/AES ____ | 0.5-1 |
| Small Ensemble - AES ____ | 0.5 |
| AIC 312 | Instrumental Conducting II | 2 |
| General Education Course ² | 3 |
| Recital Attendance | | |
| **Credits** | 16-16.5 | |
| **Year Four** | | |
| **Semester Seven** | | |
| Major Lessons - ___ 441 | 3 |
| Major Ensemble - AEB/AEO/AES ____ | 0.5-1 |
| Small Ensemble - AES ____ | 0.5 |
| Music Literature I - ALC ____ ² | 1 |
| Music Electives(s) ² | 6 |
| General Education Course ² | 3 |
| General Education Course ² | 3 |
| **Credits** | 17-17.5 | |
| **Semester Eight** | | |
| Major Lessons - ___ 442 | 3 |
| Major Ensemble - AEB/AEO/AES ____ | 0.5-1 |
| Small Ensemble - AES ____ | 0.5 |
| Music Literature - ALC ____ ² | 1 |
| General Education Courses ² | 6 |
| General Education Course ² | 3 |
| General Education Course ² | 3 |
| **Credits** | 17-17.5 | |
| **Total Credits** | 129-132.5 | |

¹ Grade of C- or higher required.
² Course availability varies; may be interchanged with another course.
B.M. Music Performance: Jazz

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<td>AJZ 361</td>
<td>Jazz Musicianship and Improvisation I</td>
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1. Grade of C- or higher required.
2. Course availability varies; may be interchanged with another course.

B.M. Music Performance: Keyboard

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<td>MTC 114</td>
<td>Aural Activities I</td>
<td>2</td>
</tr>
<tr>
<td>PIA 141</td>
<td>Advanced Piano Private Lesson (B.M.)</td>
<td>3</td>
</tr>
<tr>
<td>Major Ensemble</td>
<td>0.5</td>
<td></td>
</tr>
<tr>
<td>General Education Course (Writing)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>General Education Courses 2</td>
<td>6</td>
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</tr>
<tr>
<td>Recital Attendance</td>
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</tr>
<tr>
<td><strong>Credits</strong></td>
<td>17.5</td>
<td></td>
</tr>
<tr>
<td><strong>Semester Two</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MTC 113</td>
<td>Theory of Music II</td>
<td>3</td>
</tr>
<tr>
<td>MTC 115</td>
<td>Aural Activities II</td>
<td>2</td>
</tr>
<tr>
<td>PIA 142</td>
<td>Advanced Piano Private Lesson (B.M.)</td>
<td>3</td>
</tr>
<tr>
<td>Major Ensemble</td>
<td>0.5</td>
<td></td>
</tr>
<tr>
<td>General Education Course (Writing)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>General Education Courses 2</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Recital Attendance</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td>15.5</td>
<td></td>
</tr>
<tr>
<td><strong>Year Three</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Semester Five</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MHL 212</td>
<td>Music History III</td>
<td>3</td>
</tr>
<tr>
<td>Major Lessons - ____ 341</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MTC 361</td>
<td>Jazz Harmony and Arranging I (fall only)</td>
<td>3</td>
</tr>
<tr>
<td>ASC 197</td>
<td>Jazz Bass Class 2</td>
<td>0.5</td>
</tr>
<tr>
<td>PIA 330</td>
<td>Jazz Keyboard Improvisation</td>
<td>1</td>
</tr>
<tr>
<td>Jazz Ensemble/Combo - AES ____</td>
<td>0.5</td>
<td></td>
</tr>
<tr>
<td>AIC 311</td>
<td>Instrumental Conducting I</td>
<td>2</td>
</tr>
<tr>
<td>General Education Course 2</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Recital Attendance</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td>15.5</td>
<td></td>
</tr>
</tbody>
</table>
### B.M. IN PERFORMANCE

#### Year Two

**Semester Three**
- MTC 212 Theory of Music III: 3
- MTC 214 Aural Activities III: 2
- MHL 210 Music History I: 1
- PIA 241 Advanced Piano Private Lesson (B.M.): 3
- Minor Lessons - ____ 101: 1
- Major Ensemble: 0.5
- General Education Course: 3
- Recital Attendance

**Credits:** 15.5

**Semester Four**
- MTC 213 Theory of Music IV: 3
- MTC 215 Aural Activities IV: 2
- MHL 211 Music History II: 1
- PIA 242 Advanced Piano Private Lesson (B.M.): 3
- Minor Lessons - ____ 102: 1
- Major Ensemble: 0.5
- Piano Course: 3
- Master Class - MAK: 1
- Recital Attendance

**Credits:** 16.5

#### Year Three

**Semester Five**
- MHL 212 Music History III: 3
- Counterpoint - MTC: 2
- PIA 341 Advanced Piano Private Lesson (B.M.): 3
- Minor Lessons - ____ 201: 1
- Piano Course - PIA: 3
- General Education Course: 3
- Recital Attendance

**Credits:** 16.5

**Semester Six**
- PIA 342 Advanced Piano Private Lesson (B.M.): 3
- Minor Lessons - ____ 202: 1
- Major Ensemble: 0.5
- Piano Course - PIA: 3
- Master Class - MAK: 1
- Conducting I - ____ 311: 2
- General Education Course: 3
- General Education Course: 3
- Recital Attendance

**Credits:** 16.5

#### Year Four

**Semester Seven**
- PIA 441 Advanced Piano Private Lesson (B.M.): 3
- Major Ensemble: 0.5
- Piano Course - PIA: 3

**Credits:** 15.5

**Semester Eight**
- PIA 442 Advanced Piano Private Lesson (B.M.): 3
- Major Ensemble: 0.5
- Piano Course - PIA: 3

**Credits:** 16.5

---

1. Grade of C- or higher required.
2. Course availability varies; may be interchanged with another course.

### B.M. Music Performance: Voice

#### Year One

**Semester One**
- MTC 112 Theory of Music I: 3
- MTC 114 Aural Activities I: 2
- VOI 141 Advanced Voice Major Private Lesson (B.M.): 3
- Major Choir - CHO: 0.5
- PIA 191 Piano Class (Minor): 0.5
- General Education Course (Writing): 3
- General Education Course: 3
- Recital Attendance

**Credits:** 15

**Semester Two**
- MTC 113 Theory of Music II: 3
- MTC 115 Aural Activities II: 2
- VOI 142 Advanced Voice Major Private Lesson (B.M.): 3
- Major Choir - CHO: 0.5
- PIA 192 Piano Class (Minor): 0.5
- General Education Course (Writing II): 3
- General Education Course: 3
- Recital Attendance

**Credits:** 15

#### Year Two

**Semester Three**
- MTC 212 Theory of Music III: 3
- MTC 214 Aural Activities III: 2
- MHL 210 Music History I: 1
- VOI 241 Advanced Voice Major Private Lesson (B.M.): 3
- Major Choir - CHO: 0.5
- PIA 291 Piano Class: 1
- Foreign Language: 3
- Recital Attendance

**Credits:** 15.5

**Semester Four**
- MTC 213 Theory of Music IV: 3
- MTC 215 Aural Activities IV: 2
- MHL 211 Music History II: 1
- VOI 242 Advanced Voice Major Private Lesson (B.M.): 3
- Major Choir - CHO: 0.5
- PIA 292 Piano Class: 1
- VOC 424 Musico-Dramatic Production: 1
- General Education Course: 3
- Recital Attendance

**Credits:** 16.5

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174 2018-2019 UNDERGRADUATE CATALOG
MINOR IN JAZZ STUDIES

School of Music

Curriculum

This program is designed primarily for students currently enrolled in a music degree program. Students in other degree programs will be admitted if qualified. Students must have the permission of both their major adviser and the chairperson of the Department of Applied Music.

The Handbook for Students in Music - Undergraduate Division should be consulted for current requirements.

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AES 151</td>
<td>Jazz Ensemble I</td>
<td>5</td>
</tr>
<tr>
<td>AES 152</td>
<td>Jazz Ensemble II</td>
<td>0.5</td>
</tr>
<tr>
<td>AJZ 361</td>
<td>Jazz Musicianship and Improvisation I</td>
<td>3</td>
</tr>
<tr>
<td>AJZ 362</td>
<td>Jazz Musicianship and Improvisation II</td>
<td>3</td>
</tr>
<tr>
<td>AJZ 365</td>
<td>Jazz Ensemble Techniques</td>
<td>0.5</td>
</tr>
<tr>
<td>MHL 422</td>
<td>History of Jazz</td>
<td>3</td>
</tr>
<tr>
<td>MTC 361</td>
<td>Jazz Harmony and Arranging I</td>
<td>3</td>
</tr>
<tr>
<td>MTC 362</td>
<td>Jazz Harmony and Arranging II</td>
<td>3</td>
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</table>

Music Electives

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AES 151</td>
<td>Jazz Ensemble I</td>
<td>5</td>
</tr>
<tr>
<td>AES 152</td>
<td>jazz Ensemble II</td>
<td>0.5</td>
</tr>
<tr>
<td>APC 193</td>
<td>Drum Set Class</td>
<td>5</td>
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</tbody>
</table>

Total Minimum Credits Required: 18

MINOR IN MUSIC PERFORMANCE

School of Music

Curriculum

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMF 251</td>
<td>Foundations of Music Performance I</td>
<td>3</td>
</tr>
<tr>
<td>AMF 252</td>
<td>Foundations of Music Performance II</td>
<td>3</td>
</tr>
<tr>
<td>AML 351</td>
<td>Understanding Live Music Performance (Substitutions may be made with department approval)</td>
<td>3</td>
</tr>
<tr>
<td>or AML 352</td>
<td>Performance in the Arts</td>
<td></td>
</tr>
</tbody>
</table>

Ensembles

Students enroll in AME 101, AEB 311, and AEB 112 for ensemble instruction and then will be auditioned to perform with any of the following courses: Men’s Chorus, Women’s Chorus, Cantari Donne, Mastersingers, Concert Choir, Marching Band, Concert Band, Wind Symphony, Wind Ensemble, Symphony Orchestra, Guitar Ensemble, Jazz Ensembles.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AME 101</td>
<td>Ensembles for Music Minor</td>
<td></td>
</tr>
<tr>
<td>AEB 112</td>
<td>Marching Band</td>
<td></td>
</tr>
<tr>
<td>AEB 311</td>
<td>Marching Band</td>
<td></td>
</tr>
</tbody>
</table>

Elective Courses

Under advisement, select 5 credits of elective performance courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIM 429</td>
<td>Special Subjects Seminar</td>
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</tr>
<tr>
<td>AIM 429</td>
<td>Special Subjects Seminar</td>
<td></td>
</tr>
<tr>
<td>AJZ 331</td>
<td>Electronic Instruments</td>
<td></td>
</tr>
<tr>
<td>AJZ 365</td>
<td>Jazz Ensemble Techniques</td>
<td></td>
</tr>
<tr>
<td>AMA 352</td>
<td>Performance in the Arts</td>
<td></td>
</tr>
<tr>
<td>AME 101</td>
<td>Ensembles for Music Minor</td>
<td></td>
</tr>
<tr>
<td>AML 351</td>
<td>Understanding Live Music Performance</td>
<td></td>
</tr>
<tr>
<td>ASC 196</td>
<td>Guitar Class</td>
<td></td>
</tr>
<tr>
<td>MIP 310</td>
<td>Musician Injury Prevention</td>
<td></td>
</tr>
<tr>
<td>MRC 251</td>
<td>Music Rhythm Class</td>
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</tr>
<tr>
<td>PIA 181</td>
<td>Class Piano for Non-Music Majors</td>
<td></td>
</tr>
<tr>
<td>PIA 182</td>
<td>Class Piano for Non-Music Majors</td>
<td></td>
</tr>
<tr>
<td>VOI 291</td>
<td>Voice Class</td>
<td></td>
</tr>
</tbody>
</table>

Total Minimum Credits Required: 18

1 Substitutions may be made with department approval.
2 If not taken as requirement.
3 Up to 5 credits.
ARMY ROTC (MILITARY SCIENCE)

School of Interdisciplinary and Graduate Studies

West Chester University students are eligible to participate in the Army Reserve Officers' Training Corps (ROTC) program through a formal cross-enrollment agreement with the Widener University Department of Military Science. Army ROTC offers University students the opportunity to graduate with a bachelor's degree and a commission in the United States Army, Army National Guard, or United States Army Reserve. All 100-, 200-, and 300-level ROTC classes are taught at West Chester University, while the 400-level classes are conducted on the Widener (http://www.widener.edu) campus. The 100- to 400-level leadership labs are taught at West Chester University.

The Army ROTC program consists of a basic course taken during the freshman and sophomore years, and an advanced course taken during junior and senior years. Successful completion of the basic course is required before placement in the advanced course. Students who participated in Junior ROTC in high school or who have prior military service may receive partial or full credit for the basic course, which is determined by the Army Professor of Military Science. The basic course requirement also may be satisfied through attendance at a four-week Army ROTC Leadership Training Course (LTC) at the end of the sophomore year. Qualified students enrolled in the basic course receive a stipend of $300 for freshmen and $350 for sophomores. Students enrolled in the advanced course receive a stipend of $450 for juniors and $500 for seniors per month. Guaranteed National Guard and Reserve Forces options are also available.

Nursing students who complete the four-year or two-year program, obtain their nursing degree, and pass their Nursing Board Examinations are commissioned into the Army Nurse Corps. Two-year, three-year, and four-year Army ROTC scholarships are available on a competitive basis. These scholarships pay 100 percent of the student's tuition or room and board up to $10,000 and include payment of certain University fees, as well as a $1,200 book and school supplies subsidy. Applications for Army ROTC scholarships must be submitted early in the spring semester.

Applications for attendance at the LTC must be submitted early in the spring semester of the sophomore year.

Military Science students also participate in orientation and field training activities as part of the Military Science curriculum. These activities are an exploration of historical, organizational, and functional activities of the U.S. Army, conducted in conjunction with the Army Officer Education Program, and are recognized as a part of the commissioning preparation process for cadets.

Activities are conducted off campus through tours, field trips, laboratory sessions, and practical field application that includes marksmanship, land navigation, small unit operations, rappelling, water survival, color guard, organized athletics, and other military skills. Varying degrees of health and body risk are involved in these activities. The government of the United States, the Commonwealth of Pennsylvania, West Chester University, its officers, trustees, employees, agents, or students assume no liability for any injury caused during the above activities. For injuries incurred while participating in ROTC activities, the Department of Labor will assume the cost above the student's personal health insurance.

For further information on scholarship and career opportunities, contact the Professor of Military Science, Widener University (http://www.widener.edu), Chester PA 19013, 610-499-4079, or Major Richard Howett (rhowett@wcupa.edu), Campus Officer-in-Charge, West Chester University, Anderson Hall Room 331A, 610-430-4403.

Policies

- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

Courses

MSI

MSI 101. Introduction to ROTC. 1 Credit.
This course is designed to teach self-confidence through team study and activities in basic drill, physical fitness, rappelling, leadership reaction course, first aid, making presentations, and basic marksmanship. Includes fundamental concepts of professional leadership in both classroom and outdoor laboratory environments. One hour and a required leadership lab, plus participation in three, one-hour sessions for physical fitness. Participation in a weekend exercise also is required. Typically offered in Fall.

MSI 102. Introduction to Leadership. 1 Credit.
Learn to recognize principles of effective leadership. Reinforce self-confidence through participation in physically and mentally challenging exercises with upper-division ROTC students. Develop communication skills to improve individual performance and group interaction. Relate organizational ethical values to the effectiveness of a leader. One hour and a required leadership lab, plus participation in three, one-hour sessions for physical fitness. Participation in a weekend exercise also is required. Typically offered in Spring.

MSI 113. Army Physical Readiness Training. 1 Credit.
This course is designed to provide the necessary information and skills to enable the cadet to participate in and lead fitness activities safely and effectively, which is essential to the Army way of life. This will include discussion of fitness principles and practical application of techniques discussed. The course will investigate methods of improving muscular strength, muscular endurance, cardio respiratory fitness, flexibility and body composition.
Pre / Co requisites: MSI 113 requires a corequisite of MSI 201 or MSI 202. Typically offered in Fall & Spring. Repeatable for Credit.

MSI 199. Transfer Credits. 1-50 Credits.
Transfer Credits. Repeatable for Credit.

MSI 201. Self-Team Development. 2 Credits.
Learn to develop individual abilities and contribute to effective team building. Develop skills in oral presentations, writing concisely, planning events, coordinating group efforts, advanced first aid, land navigation, and basic military tactics. Learn fundamentals of ROTC's Leadership Development Program. Two hours and a required leadership lab, plus required participation in three, one-hour sessions for physical fitness. Participation in a weekend exercise also is required. Pre / Co requisites: MSI 201 requires prerequisites of MSI 101 and MSI 102. Typically offered in Fall.

MSI 202. Individual-Team Military Tactics. 2 Credits.
Introduction to individual and team aspects of military tactics in small-unit operations. Includes use of radio communications, making safety assessments, movement techniques, planning for team safety/security, and methods of pre-execution checks. Practical exercises with upper-division ROTC students. Learn techniques for training others as an aspect of continued leadership development. Two hours and a required leadership lab, plus required participation in three, one-hour sessions for physical fitness. Participation in a weekend exercise also is required. Pre / Co requisites: MSI 202 requires prerequisite of MSI 201. Typically offered in Spring.
DEPARTMENT OF ART + DESIGN

College of Arts and Humanities
133 E.O. Bull Center for the Arts
610-436-2755
Department of Art + Design (http://www.wcupa.edu/artDesign)
Peggy Schiff Hill (mhill@wcupa.edu), Chairperson

The Department of Art + Design has been awarded full accreditation by the National Association of Schools of Art and Design (NASAD) and offers two bachelor of fine arts degrees:

• B.F.A. in Graphic + Interactive Design - Students in Graphic + Interactive Design work in a rigorous and creative environment. The program teaches the skills necessary for successful careers in print-based design and interactive design through learning and developing formal concepts, methods, theory, and technical processes. The program includes a strong foundation in art and design history, typography, symbolism, and design vocabulary with a broad range of upper-level courses in visual branding, advertising, publication design, information design, packaging, web and responsive design. Seniors focus on the development of their thesis project and a final portfolio.
  • B.F.A. in Studio Arts - Students concentrating in Studio Art are provided with a comprehensive program in visual literacy, creative problem-solving, cultural awareness, critical thinking, and creative processes. Students acquire knowledge, comprehension, and competency in the visual arts using traditional and new technologies. While students may choose to specialize in a specific medium, the program also encourages cross-pollination between various media and experimentation with innovative practices. The program includes a strong foundation in drawing, 2D and 3D design, color theory, and art history, with a broad range of upper-level courses in ceramics, paintings, sculpture, photography, and printmaking.

In addition to its majors and minors, the department serves the University population at large by providing service courses to fulfill general education requirements and electives in studio art and art history. In the larger community, the department serves as a professional resource for schools, art centers, and museums.

Student Activities and Opportunities

Graphic + Interactive Design majors are encouraged to become active in the Department of Art + Design also offers:

• Minor in Art History - A Minor in Art History encourages students to expand their knowledge of global art and culture and to comprehend the importance of visual culture in today's increasingly global society. Art history is an interdisciplinary field, and students explore how art reflects and communicates social, religious, philosophical, and political ideas. Art historical inquiry emphasizes critical and analytical thinking, written and oral communication, and the appreciation of art, all of which are skills that compliment many other fields of study.
  • Minor in Studio Art - Students with an interest in art may pursue a Minor in Studio Art. Courses cover visual literacy, creative problem-solving, cultural awareness, critical thinking, and creative processes in the visual arts using traditional and new technologies. Students may choose to specialize in a specific area of interest, including graphic design, painting and drawing, ceramics and sculpture, or general art.

Studio Arts majors are encouraged to become active in the Department of Art + Design's Art Club or Arts Collective, which is a student-run organization focusing on extracurricular activities and projects in the arts. West Chester is also situated near major cities such as Philadelphia, Wilmington, Washington D.C., New York, and Baltimore, which offer endless possibilities for students to attend lectures and art openings, and to participate in regional exhibitions.

Travel Abroad

Travel abroad opportunities through art history and studio courses in the Department of Art + Design are numerous and include volunteer trips during the WCU Winter Session as well as summer abroad trips. Our travel abroad program continues to expand, with past trips covering a broad range of international locations including China, Costa Rica, Denmark, Egypt, England, France, Greece, Italy, and Spain.

MSI 301. Leading Small Organizations I. 3 Credits.
Series of practical opportunities to lead small groups, receive personal assessments and encouragement, and lead again in situations of increasing complexity. Uses small-unit defensive tactics and opportunities to plan and conduct training for lower-division students to develop these skills as vehicles to practice leading. Three hours and a required leadership lab, plus required participation in three, one-hour sessions for physical fitness. Participation in one weekend exercise also is required, and one or two more weekend exercises may be offered for participation. PREREQ: Army ROTC advanced course standing or approval of the professor of military science.
Typically offered in Fall.

MSI 302. Leading Small Organizations II. 3 Credits.
Continues methodology of MSI 301. Analyze tasks, prepare written or oral guidance for team members to accomplish tasks, delegate tasks, and supervise. Plan for and adapt to the unexpected in organizations under stress. Examine and apply lessons from leadership case studies as well as the importance of ethical decision making in setting a positive climate that enhances team performance. Three hours and a required leadership lab, plus required participation in three, one-hour sessions for physical fitness. Participation in one weekend exercise and other one-day exercises is required.
Typically offered in Spring.

MSI 399. USMC ROTC (PLC). 3 Credits.
USMC ROTC (PLC) Typically offered in Summer.

MSI 400. US Military History. 3 Credits.
Students develop an awareness of the relationship of military establishment to society particularly the US.
Typically offered in Fall, Spring & Summer.

MSI 401. Leadership Challenges and Goal Setting. 3 Credits.
Plan, conduct, and evaluate activities of the ROTC cadet organization. Articulate goals and put plans into action to attain them. Assess organizational cohesion and develop strategies to improve it. Develop confidence in skills to lead people and manage resources. Learn/apply various Army policies and programs in this effort. Three hours and a required leadership lab, plus required participation in three, one-hour sessions for physical fitness. Participation in one weekend exercise also is required, and one or two more weekend exercises may be offered for optional participation.
Typically offered in Fall.

MSI 402. Transition to Lieutenant. 3 Credits.
Continues the methodology from MSI 401. Identify and resolve ethical dilemmas. Refine counseling and motivating techniques. Examine aspects of tradition and law as related to leading as an officer in the Army. Prepare for a future as a successful Army lieutenant. Three hours and a required leadership lab, plus required participation in three, one-hour sessions for physical fitness. Participation in one weekend exercise also is required, and one or two more weekend exercises may be offered for optional participation.
Typically offered in Fall & Spring.

MSI 410. Independent Study. 1-3 Credits.
Students become familiar with army supply management operations and procedures focusing on inventory and requisitioning procedures.
Typically offered in Fall & Spring.

MSI 499. USMC ROTC (PLC). 3 Credits.
Military Science transfer credit.
Typically offered in Summer.

• B.F.A. in Graphic + Interactive Design - Students in Graphic + Interactive Design work in a rigorous and creative environment. The program teaches the skills necessary for successful careers in print-based design and interactive design through learning and developing processes in the visual arts using traditional and new technologies. While students may choose to specialize in a specific medium, the program also encourages cross-pollination between various media and experimentation with innovative practices. The program includes a strong foundation in drawing, 2D and 3D design, color theory, and art history, with a broad range of upper-level courses in ceramics, paintings, sculpture, photography, and printmaking.

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Internships
Learning opportunities extend beyond the studio. We are fortunate that West Chester University is located in the heart of an incredibly rich cultural region, with an abundance of art-related activities and opportunities. Students are encouraged to complete a professional internship for academic credit. This involves working in a creative capacity at a design studio, advertising agency, corporate design office, local or regional art center, museum/gallery, apprenticeship, or other appropriate venue.

Programs

Majors in Art + Design
- B.F.A. in Graphic and Interactive Design (p. 182)
- B.F.A. in Studio Arts (p. 183)

Minors in Art + Design
- Studio Art (p. 185)
- Art History (p. 185)

Graduate Opportunities
See the graduate catalog for more information on the Art + Design programs. (http://catalog.wcupa.edu/graduate/arts-humanities/art-design)

Policies
- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

Portfolio Requirements
Admission into the B.F.A. program requires a successful portfolio review as well as admission to the University. Accepted students will be notified by e-mail to submit their portfolio to Slideroom, an online portfolio review site. Refer to the Department of Art + Design website, http://www.wcupa.edu/arts-humanities/artDesign/portfolioReview.aspx, for the list of portfolio requirements and digital image formatting guide.

Minimum Grade
Students must maintain a minimum grade of C in all ART and ARH courses.

Faculty

Professors
Virginia M. Da Costa (vdacosta@wcupa.edu) (1998)
B.A., State University of New York at Albany; M.A., California State University at Long Beach; Ph.D., University of California, Santa Barbara
Margaret Schiff Hill (mhill@wcupa.edu) (1990)
Chairperson, Art + Design
B.F.A., Kutztown University; M.F.A., Syracuse University
Sally Van Orden (svanorden@wcupa.edu) (2006)
B.B.A., Texas A&M University; M.F.A., Texas Tech University

Associate Professors
Henry Loustau (hloustau@wcupa.edu) (1995)
B.A., Dartmouth College; M.F.A. University of Illinois at Urbana-Champaign
Erica Zoe Loustau (eloustau@wcupa.edu) (2012)
B.A., Dartmouth College; M.F.A., University of Illinois at Urbana-Champaign
Nancy J. Rumfield (nrumfield@wcupa.edu) (1986)
B.F.A., Moore College of Art; M.S., West Chester University; Ph.D., Nova Southeastern University
Heather Sharpe (hsharpe@wcupa.edu) (2008)
B.A., California State University; M.A., Ph.D., Indiana University
Kate Stewart (sstewart@wcupa.edu) (2011)
B.A., Dickinson College; M.F.A., University of Pennsylvania

Assistant Professors
Kristopher Benedict (kbenedict@wcupa.edu) (2014)
B.A., The Cooper Union for the Advancement of Science and Art; M.F.A., Columbia University
Jeremy Holmes (jholmes@wcupa.edu) (2016)
B.S. Philadelphia University; M.F.A. Temple University, Tyler School of Art
David P. Jones (djones2@wcupa.edu) (2014)
B.A., M.F.A., Temple University
Andrew Snyder (asnyder@wcupa.edu) (2016)
B.S., Towson University; M.F.A., Towson University
Larry Will (lwill@wcupa.edu) (2006)
B.F.A., California State University at Long Beach

Courses

ARH

ARH 101. Art Appreciation. 3 Credits.
An introduction to painting, sculpture, architecture, and the decorative arts with emphasis on understanding the visual arts as universal human expression.
Gen Ed Attribute: Arts Distributive Requirement.
Distance education offering may be available.
Typically offered in Fall & Spring.

ARH 103. Art History I: Paleolithic-Middle Ages. 3 Credits.
Survey of significant art and architectural monuments from prehistory through the Middle Ages.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Fall & Spring.

ARH 104. Art History II: Renaissance through Modern Day. 3 Credits.
Continuation of ARH 103. The Renaissance through the 20th century.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Fall & Spring.

ARH 201. Non-Western Art. 3 Credits.
Introduction to art produced outside the European tradition. Cultures include Africa, India, Asia, the Pacific Islands, and the Americas.
Typically offered in Fall & Spring.

ARH 211. Art of Egypt. 3 Credits.
The art and architecture of Ancient Egypt, Mesopotamia, Assyria, and Babylonia from 3000-500 B.C.
Typically offered in Fall & Spring.
ARH 300. History of Graphic Design. 3 Credits.
This course presents a survey of graphic design through the 21st century. Students will examine the ever-shifting role of the graphic designer throughout history; how designers have drawn from past inspiration to create work that resonates with contemporary audiences in fresh ways; and we will consider how formal qualities play an essential role in how meaning is conveyed.
Distance education offering may be available.
Typically offered in Fall & Spring.

ARH 320. Global Art and Culture. 3 Credits.
This is a condensed format course designed primarily for the winter session. Domestic and international locations will vary with an interdisciplinary focus. The course incorporates fine art, local crafts, music, theatre, and dance with an experiential component. Investigation of the history, materials, influences, costume and traditional dress, performance, musical instruments, religion, and regional vs international acknowledgment of the artists are integral to understanding and achieving information literacy.
Typically offered in Spring. Repeatable for Credit.

ARH 360. Function of the Museum in Art. 3 Credits.
Role and function of the museum as an educational and cultural institution. Main focus on field trips to local museums in Chester and Delaware counties and the Wilmington, Del., area. Typically offered in Spring & Summer.

ARH 382. Art of Greece and Rome. 3 Credits.
The art and architecture of the Greeks, Etruscans, and Romans.
Gen Ed Attribute: Classical Civilizations Culture Cluster, Foreign Language Culture Cluster.
Typically offered in Fall & Spring.

ARH 383. Art of the Middle Ages. 3 Credits.
The art and architecture of the European medieval world and their development from Early Christian and Romanesque art into the full flowering of the Gothic period.
Typically offered in Fall & Spring.

ARH 384. Art of Renaissance-Baroque. 3 Credits.
Study of the art forms of the 15th through 17th centuries in Europe as they affected social and religious cross currents and the rise of the role of the artist in society.
Gen Ed Attribute: Foreign Language Culture Cluster, Italy (Italian) Culture Cluster.
Typically offered in Fall & Spring.

ARH 385. 18th and 19th Century Art. 3 Credits.
From David to Rodin: the rise and development of the Romantic style and its struggle with orthodox Classicism.
Gen Ed Attribute: Foreign Language Culture Cluster, France & Francophone Area Culture Cluster.
Typically offered in Fall & Spring.

ARH 386. Modern Art Seminar. 3 Credits.
Analysis of major styles of 20th-century art to mid-century, including Picasso.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Spring.

ARH 389. Art of Spain. 3 Credits.
Introduction to the art and architecture of Spain and her colonies from the caves of Altamira to the contemporary period. Focus on specific artists including Velazquez, Goya, Miro, Gaudi, Picasso, and Dali.
Typically offered in Fall & Spring.

ARH 400. Art Seminar. 3 Credits.
Special topics to be announced for studio and art history. Offered periodically as appropriate.
Consent: Permission of the Department required to add.
Typically offered in Fall. Repeatable for Credit.

ARH 401. Contemporary Art. 3 Credits.
This course is intended to give an overview of contemporary art practices in the 20th and 21st centuries. As a class, we will identify themes that have inspired creative expression for generations, but that have particular relevance to the last few decades: Language, Identity, The (Human) Body, Memory, Time, Science/Technology and Sustainability. We will explore these themes across time and place, to understand the common links among artists as creative and communal beings. The second focus differentiates: the context of the artworks’ conception, production, and reception by the public.
Consent: Permission of the Department required to add.
Typically offered in Fall & Spring.

ARH 419. Women Artists. 3 Credits.
Traces the position of women artists in society and its effects on their work. What role have women played as the subject of painting through the ages? What are women artists creating today?.
Typically offered in Fall & Spring.

ART

ART 106. Drawing I. 3 Credits.
Drawing from direct observation and an introduction to ideas of perception and interpretation. Use of a variety of media.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Fall & Spring.

ART 111. 2D Design. 3 Credits.
This course provides a foundation for investigating the elements and principles of design and visual organization. Through the hands-on analysis of visual problems, students learn concept development, visual language, and technical proficiency. Students acquire the knowledge to develop perceptual, critical thinking and communication skills as they relate to creative visual arts.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Fall & Spring.

ART 112. Color Theory. 3 Credits.
The study of the nature of color, its physical properties and visual qualities. Basic theories, models, phenomena, and their applications will be explored using pigment, colored paper and digital color systems.
Pre / Co requisites: ART 112 requires a prerequisite of ART 111.
Typically offered in Fall & Spring.

ART 113. Digital Media. 3 Credits.
Introduction into the field of visual communications, utilizing the computer and hand skills such as drawing tools. Emphasis is placed on implementing the elements and principles of design in creative print based projects using vector and image manipulation.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Fall & Spring.

ART 120. 3D Design. 3 Credits.
Three Dimensional Design is an introduction to composition and form building in three-dimensional space. Students focus on creative problem solving challenges using a range of basic design materials and techniques.
Typically offered in Fall & Spring.

ART 206. Drawing II. 3 Credits.
This second-level drawing course will apply practical and technical drawing skills to more ambitious and personal projects. Students will continue to advance their perceptual drawing knowledge through careful demonstrations and individual instruction. An exploration of scale, principles and techniques of pictorial composition including perspective, line, proportion and sources of imagery. Coursework will build upon students’ previous knowledge of various drawing media, color, surfaces and ground treatments. Several projects will incorporate sustainability-related content to develop students’ visual responses to critical research, with relation to the social, environmental and political aspects of sustainability.
Pre / Co requisites: ART 206 requires prerequisite of ART 106.
Typically offered in Fall & Spring.

ART 210. Typography I. 3 Credits.
An introduction to the use of type as a basic element of graphic communication; the use of different type faces to communicate visually desired effects, typeform, type indication, type spacing, comp lettering, and basic design with type for layouts and comprehensives.
Pre / Co requisites: ART 210 requires prerequisites of ART 111 and ART 113.
Typically offered in Fall.
ART 211. Graphic Design I. 3 Credits.
This course is an introductory course to the theories, methods, materials, and vocabulary used in the communication design profession. By applying problem solving strategies and design methods to graphic design problems, methods are explored and developed through formal studies of traditional and non-traditional visual techniques and materials.
Pre / Co requisites: ART 211 requires prerequisites of ART 111 and ART 113.
Typically offered in Fall.

ART 212. Graphic Design II. 3 Credits.
The continuation of ART 211 with an emphasis on typographic problem solving. The further study of graphic design concepts and design principles used in solving different types of design problems within a given format. Use of the computer as an essential design tool is integrated into a variety of course assignments.
Pre / Co requisites: ART 212 requires prerequisites of ART 210 and ART 211.
Typically offered in Spring.

ART 213. Typography II. 3 Credits.
The advanced study of typographic expression and communication and the development of complex information systems. Students explore the form and structure of visual communications including sequential design systems and organizational structuring.
Pre / Co requisites: ART 213 requires prerequisites of ART 113, ART 210, and ART 211.
Typically offered in Spring.

ART 216. Painting I. 3 Credits.
Provides an introduction to the techniques, practices and history of painting through an emphasis on color, form, surface and self-expression. Students work primarily from observation exploring the still life, landscape, architecture, and the figure as they develop a personal aesthetic and are provided with a knowledgeable understanding and strong technical foundation in painting.
Typically offered in Fall & Spring.

ART 217. Painting II. 3 Credits.
An exploration of both traditional and alternative techniques and materials of painting through an active focus on contemporary and historical painting practices. Students will immerse themselves in the creative process as they develop individual conceptual goals and a personal aesthetic in a course designed to provide the groundwork for a depth of understanding and meaningful connection to the practice of painting.
Pre / Co requisites: ART 217 requires prerequisite of ART 216.
Typically offered in Spring.

ART 221. Structural Materials and Fabrication. 3 Credits.
Structural Materials and Fabrication is a survey of three-dimensional materials and their applications in various fine art and functional design situations. Students will learn basic fabrication techniques in a range of projects using both hand tools and power tools. Emphasis will be placed on creative problem solving and providing a strong technical foundation in form building.
Pre / Co requisites: ART 221 requires a prerequisite of ART 120.
Typically offered in Spring.

ART 222. Sculpture I. 3 Credits.
This course is an introduction to the basic fundamentals of sculpture. The course will explore the driving forces of sculpture creation through additive and subtractive form building methods. Tools and techniques, materials and processes will be studied.
Typically offered in Fall.

ART 226. Water Color I. 3 Credits.
An introduction to the basic tools and techniques of the water-color painter. Emphasis upon transparent water color.

ART 228. Digital Photography. 3 Credits.
An introduction to the photographic process, using a digital platform. Photographic techniques, camera handling, exposure control, image manipulation, composition, and solving visual problems will be incorporated into exercises and projects. This course will also address the topic of sustainability through photography. Students are required to provide storage media and prints of their projects. A Digital Single Lens Reflex (DSLR) format camera is used for this class. A personal DSLR is highly recommended, but not required.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Fall & Spring.

ART 230. Digital Object Design-3D Printing. 3 Credits.
This course is intended to familiarize students to the process of digital modeling and 3D printing. Students will design a variety of functional and inventive objects from drinking vessels to tools using Rhinoceros 5.0. Designed objects will be printed in PLA on the Makerbot Replicator 2. In addition to the Makerbot’s PLA, students will be required to print in an alternative material using Shapeways 3D printing service. Creativity, design and craftsmanship will be stressed and we will examine nuances of the student’s work.
Typically offered in Fall.

ART 231. Ceramics I: Basic Techniques. 3 Credits.
Introduction to the basic techniques of ceramics. Hand and wheel methods of construction; knowledge of clay bodies, firing, and glazing.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Fall, Spring & Summer.

ART 232. Ceramics II: Intermediate Techniques. 3 Credits.
Fundamental methods of creating clay forms on the wheel. Experimentation with clay bodies, glazes, and kiln operation. Design is stressed.
Typically offered in Fall, Spring & Summer.

ART 241. Printmaking: Graphic Forms. 3 Credits.
This course is an introduction to mediums of printmaking whose strengths lay in their graphic drama. Through layering these techniques students will discover new ways to harness the interaction of color and form. The versatility of these approaches allows the printed medium to expand--onto 3-Dimensional structures, clothing, banners, or other creative substrates. Primarily this course will be focused on reductive and serigraphic processes. Our aim is to find enough technical grounding in these forms for the purpose of later exploiting their conceptual possibilities.
Typically offered in Fall.

ART 242. Printmaking as Narrative Form. 3 Credits.
This course is an introduction to mediums of Printmaking whose strengths lie in the illustrative and narrative form. We will explore the power of line, texture, and tone, as well as the reworking of and editing of plates to explore story-telling possibilities. These techniques can include drypoint, etching, collagraph, and monotypes.
Typically offered in Spring.

ART 301. Mixed Media. 3 Credits.
This course introduces students to various materials and techniques used in visual art. Materials explored will include, but not be limited to, dyes, gels, inks, paint, paper, photographs, prints, pumice, and wax. Techniques may include, but not be limited to, assemblage, book-making, collage, encaustic, relief printing, transfer, mono-printing, and welding.
Typically offered in Fall.

ART 306. Drawing III. 3 Credits.
This class will continue the advanced student’s investigation into a variety of considerations involved in drawing from the human figure. Beginning with an objective analysis of the figure’s structure and an emphasis on observational drawing technique, we’ll proceed to a more subjective, empathetic view of the figure, where your personal vision, experience, and expression will come into play. Throughout the course we will stress perceptual (observational), formal (line, value, etc.), and interpretive skills, as well as the abstract elements of composition, shape, rhythm, etc. involved in a successful drawing of any kind.
Pre / Co requisites: ART 306 requires prerequisites of ART 106 and ART 206.
Typically offered in Fall & Spring.

ART 307. Drawing IV. 3 Credits.
This class will continue the advanced student’s investigation into a variety of considerations involved in drawing from the human figure. Beginning with an objective analysis of the figure’s structure and an emphasis on observational drawing technique, we’ll proceed to a more subjective, empathetic view of the figure, where your personal vision, experience, and expression will come into play. Throughout the course we will stress perceptual (observational), formal (line, value, etc.), and interpretive skills, as well as the abstract elements of composition, shape, rhythm, etc. involved in a successful drawing of any kind.
Pre / Co requisites: ART 307 requires a prerequisite of ART 306.
Typically offered in Fall & Spring.
Repeatable for Credit.
ART 310. Graphic Design III. 3 Credits.
Advanced graphic design problem-solving methodologies tailoring communication to specific target audiences. Focus on production of three dimensional design solutions to complex packaging challenges. Pre / Co requisites: ART 310 requires prerequisites of ART 212 and ART 213. Typically offered in Fall.

ART 311. Graphic Design IV. 3 Credits.
Implement and present advanced complex visual systems consistent with those of graphic designers in the field. Emphasis on projects of substantive scope, integration of skills and presentation. Pre / Co requisites: ART 311 requires prerequisites of ART 213 and ART 310. Typically offered in Spring.

ART 312. Visual Branding. 3 Credits.
This course is the examination of brand development, assessment and management. Students will author original pictographs, logos, trademarks, and symbols while studying a wide range of communication tools for organizations. Problem solving through visual identity projects, examine the various components of brand systems. Analysis and design of a mark, as well as its applications across multiple touch points will be required to develop solutions for a trio of multi-faceted projects. Pre / Co requisites: ART 312 requires prerequisites of ART 212 and ART 213. Typically offered in Fall.

ART 313. Interaction Design I. 3 Credits.
This course teaches the fundamental concepts, practices, and tools associated with motion design. The class will focus on the introduction, exploration and implementation of time, movement and sound into the student’s existing design process. Current motion software will be taught and used on a variety of course assignments. Pre / Co requisites: ART 313 requires prerequisites of ART 113, ART 212, and ART 213. Typically offered in Fall.

ART 314. Interaction Design II. 3 Credits.
Building upon the web based skills from ART 313, this course is designed to extend skills for multimedia design production. Provides a critical overview of and practical experience in the principles of time based design, including animation and video design for multi media environments and applications on the web. Video, sound, animation and web authoring software will be used to explore designer-controlled user interaction. Pre / Co requisites: ART 314 requires prerequisites of ART 212, ART 213, and ART 313. Typically offered in Spring.

ART 315. Letterpress. 3 Credits.
This course provides an introduction into the traditional art of letterpress printing on a Vandercook Proofing Press. Students will learn the basics of typography, setting and printing with both wood and metal type. Options for printing imagery will also be explored, as well as printing from decorative ornaments, magnesium cuts, and polymer plates. Students will be guided in type form lock-up and registration, including multiple-color registration, as well as proper procedures for inking, impression, preparing paper, and the safe operation of the press. Typically offered in Fall & Summer.

ART 317. Painting III. 3 Credits.
An advanced level painting course focused on the development of an individualized painting practice through student-directed creative exploration. Students expand their interests in painting both conceptually and technically as they maintain a rigorous creative practice and participate in critical discussions with peers. Pre / Co requisites: ART 317 requires a prerequisite of ART 217. Typically offered in Fall & Spring.

ART 318. Painting IV. 3 Credits.
An advanced level painting course asking students to actively explore theories of painting through the ages. An emphasis on reading and writing assignments augments a self-directed creative practice where students forge meaningful connections with historical and contemporary painting practices. Pre / Co requisites: ART 318 requires a prerequisite of ART 217. Typically offered in Fall & Spring.

ART 319. Painting V. 3 Credits.
This course provides the structure and discipline required for students to develop as professionals in the field after graduation. This advanced level course requires students to maintain a rigorous self-directed creative practice and participate in critical discussions with peers. Students will integrate and strengthen their conceptual and technical goals as a foundation is provided for the development of later thesis work in the medium. Pre / Co requisites: ART 319 requires a prerequisite of ART 217. Typically offered in Fall & Spring.

ART 320. Painting: Independent Projects. 3 Credits.
This course offers individualized instruction towards the development of a personal voice in the medium. Students expand their interests in painting both conceptually and technically through critiques, field trips, and readings. Pre / Co requisites: ART 320 requires a prerequisite of ART 217. Typically offered in Fall & Spring. Repeatable for Credit.

ART 321. Sculpture II. 3 Credits.
This course focuses on installation. Students explore intermediate level sculpture problems with an emphasis on how forms can engage with specific spaces and transform our understanding and expectations. Considerations of context and viewer experience will be developed. Installations will be created in clay, plaster, wood, and steel as well as non-traditional materials. Development of fabrication techniques using power tools and MIG welder will be covered. Pre / Co requisites: ART 321 requires a prerequisite of ART 222. Typically offered in Spring.

ART 322. Sculpture III. 3 Credits.
This course focuses on advanced challenges in form and structure building within the public sphere. Students will develop both virtual and tangible sculptures for specific public sites. A creative process will be developed to consider the practical, logistical and aesthetic concerns involved in the design, fabrication and installation of sculpture in public spaces. Pre / Co requisites: ART 322 requires prerequisites of ART 222 and ART 321. Typically offered in Spring.

ART 324. Life Modeling. 3 Credits.
This course focuses on modeling the human form in clay. Students work from a life-model to develop their hand-eye coordination. Emphasis is placed on employing the figure as a vehicle of expression. The study of anatomy is not stressed; instead, weight, balance, construction and spatial relationships will be highlighted. Typically offered in Spring.

ART 325. Sculpture: Independent Projects. 3 Credits.
Students focus on development of a personal visual voice through exploration of sculptural form, content and individualized processes. Pre / Co requisites: ART 325 requires a prerequisite of ART 321 or instructor permission. Typically offered in Fall & Spring. Repeatable for Credit.

ART 331. Ceramics: Unconventional Methods. 3 Credits.
This course is designed to expand the student's skill in ceramics and develop their eye through critique. Students will learn a variety of alternative building methods with open ended assignments to encourage technical skill building and creative problem solving. Over the course of the semester students will produce a variety of work that is functional, sculptural or both. Craftsmanship will be stressed and we will scrutinize nuances of the student's work. Pre / Co requisites: ART 331 requires prerequisites of ART 231 and ART 232. Typically offered in Fall & Spring.

ART 332. Ceramics: Raw Materials. 3 Credits.
This course is designed to expand the student's skills in clay and develop their eye through critique. In this course students will experiment with numerous raw materials both bought and from natural sources to develop interesting surfaces into their work. Craftsmanship will be stressed and we will scrutinize nuances of the student's work. Pre / Co requisites: ART 332 requires prerequisites of ART 231 and ART 232. Typically offered in Fall & Spring.
ART 335. Ceramics: Independent Projects. 3 Credits.
This course is designed to expand the student’s skills with clay and develop their eye through critique. In this ceramics course students will be expected to create a cohesive body of work and research historical and contemporary ceramics of personal interest. Craftsmanship will be stressed and we will scrutinize nuances of the student’s work.
Pre / Co requisites: ART 335 requires prerequisites of ART 231 and ART 232.
Typically offered in Fall & Spring.
Repeatable for Credit.

ART 345. Printmaking: Independent Projects. 3 Credits.
This course allows more self-directed work with the goal of increasingly advanced knowledge of printmaking forms. Students propose their area of focus and move past introductory execution of these particular print processes. Self-directed work and strong conceptualization of projects are expected.
Pre / Co requisites: ART 345 requires prerequisites of ART 241 or ART 242.
Typically offered in Fall & Spring.
Repeatable for Credit.

ART 350. Global Art + Design. 3 Credits.
This course is a 4-week integrated study abroad program created for Graphic + Interactive Design students to further academic achievements, develop intercultural understandings and acquire life skills in a global setting.
Pre / Co requisites: ART 350 requires prerequisites of ART 113, ART 210, and ART 211.
Typically offered in Summer.
Repeatable for Credit.

ART 351. Papermaking. 3 Credits.
This course is the exploration of traditional and contemporary techniques in the art of papermaking. Various three dimensional and two dimensional forming methods will be investigated. Emphasis will be placed on creative and original designs in conjunction with an understanding of materials.
Typically offered in Summer.

ART 359. Resources in Art Education. 3-9 Credits.
The use of cultural and community resources in the schools with an emphasis on the teaching of art appreciation.
Consent: Permission of the Department required to add.
Typically offered in Summer.
Repeatable for Credit.

ART 400. Special Topics: Design for the Social Good. 3 Credits.
Advanced graphic design problem-solving methodologies are leveraged in order to comment on, inform or challenge a social issue via a comprehensive project of the student’s own design. While final projects may take the form of any delivery method the student deems suitable for their topic, digital solutions such as product development, animation and motion graphics are preferable.
Pre / Co requisites: ART 400 requires prerequisites of ART 310, ART 312 and ART 313.
Typically offered in Fall.

ART 413. Interaction Design III. 3 Credits.
This course teaches the fundamental concepts, practices, and tools associated with digital self-authorship. Using the knowledge and expertise gained from Interaction Design I and II, the student will research, concept, schedule, design and execute a full-semester, self-authored motion design or UX/UI product. Current motion design and UX/UI software will be taught and used.
Pre / Co requisites: ART 413 requires prerequisite of ART 212 and ART 213, ART 313 and ART 314.
Consent: Permission of the Department required to add.
Typically offered in Fall.

ART 415. Senior Thesis Project. 3 Credits.
This course will focus on the development of a senior thesis project. This project will involve extensive, student directed research in graphic communications. Students will be required to define a problem, develop the conceptual solution, establish a strategy and carry out their solution to a professional standard. Students will be expected to present their work in a final presentation.
Pre / Co requisites: ART 415 requires prerequisites of ART 213, ART 311, ART 312 and ART 413, or department permission.
Typically offered in Spring.

ART 450. Internship. 3 Credits.
Integrate classroom study and lab work with specific planned periods of learning through job experience, based on an individualized, student-oriented, learning contract. The internship provides the student with professional work experience in an area related to their major. The course is based on an individualized, student-oriented, learning contract for BFA majors who have demonstrated advanced skill levels and for those who have potential to perform professionally in a work environment.
Consent: Permission of the Department required to add.
Typically offered in Fall, Spring & Summer.
Repeatable for Credit.

ART 492. Senior Seminar. 3 Credits.
This course provides for the resolution of the technical and philosophical skills essential to success as a professional, or as a basis for continued post baccalaureate study. Each student is required to demonstrate appropriate competence within an individually described program of study / statement of intent. This program will evidence artistic, cultural and scholastic competence culminating in the required Capstone Project and BFA exhibition.
Consent: Permission of the Department required to add.
Typically offered in Spring.

ART 499. Portfolio. 3 Credits.
Development of a design portfolio featuring both digital and print work in preparation for entering the design field as a professional. Students will be required to complete a personal résumé, personal identity system, and design a self promotional piece in addition to their body of work.
Pre / Co requisites: ART 499 requires prerequisites of ART 311 and ART 413.
Typically offered in Spring.

B.F.A. IN GRAPHIC AND INTERACTIVE DESIGN

Curriculum

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- English Composition requirements 6
- Mathematics requirement 3
- Public Speaking requirement 3
- Science Requirements 6
- Behavioral and Social Science Requirements 6
- Humanities Requirements 6
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Foundation Requirements

ART 106 Drawing I 3
ART 111 2D Design 3
ART 112 Color Theory 3
ART 113 Digital Media 3
ART 206 Drawing II 3
ART 216 Painting I 3
ART 120 3D Design 3
ART 103 Art History I: Paleolithic-Middle Ages 3
ART 104 Art History II: Renaissance through Modern Day 3

Art History Electives 3
Select one Art History elective at the 200-level or above.

Major Requirements

ART 300 History of Graphic Design 3
ART 210 Typography I 3
ART 211 Graphic Design I 3
ART 212   Graphic Design II    3
ART 213   Typography II 3
ART 310   Graphic Design III 3
ART 311   Graphic Design IV 3
ART 312   Visual Branding 3
ART 313   Interaction Design I 3
ART 314   Interaction Design II 3
ART 400   Special Topics: Design for the Social Good 3
ART 413   Interaction Design III 3
ART 415   Senior Thesis Project 3
ART 499   Portfolio 3

Total Minimum Credits Required 120

Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<td><strong>Year One</strong></td>
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<td><strong>Semester One</strong></td>
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<td>ART 106</td>
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<td>MAT 103</td>
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<td>ART 112</td>
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<tr>
<td>WRT 200</td>
<td>Critical Writing or Critical Writing:</td>
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</tr>
<tr>
<td>or WRT 204</td>
<td>Approaches to Pop Culture or Critical Writing:</td>
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</tr>
<tr>
<td>or WRT 205</td>
<td>Investigating Culture or Critical Writing:</td>
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</tr>
<tr>
<td>or WRT 206</td>
<td>Multidisciplinary Imagination</td>
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<tr>
<td>or WRT 208</td>
<td>Entering Public Sphere or Critical Writing:</td>
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<tr>
<td>or WRT 220</td>
<td>Special Topics or Critical Writing:</td>
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<tr>
<td>ARH 104</td>
<td>Art History II: Renaissance through Modern Day</td>
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<tr>
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<tr>
<td>ART 211</td>
<td>Graphic Design I</td>
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<tr>
<td>ART 216</td>
<td>Painting I</td>
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<td>SPK 208</td>
<td>Public Speaking or Business and Professional</td>
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<td>or SPK 230</td>
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<td>ART 212</td>
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<td>ART 213</td>
<td>Typography II</td>
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<td>ART 120</td>
<td>3D Design</td>
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<td><strong>Year Three</strong></td>
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<tr>
<td><strong>Semester Five</strong></td>
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<tr>
<td>ART 310</td>
<td>Graphic Design III</td>
<td>3</td>
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<tr>
<td>ART 313</td>
<td>Interaction Design I</td>
<td>3</td>
</tr>
<tr>
<td>ART 312</td>
<td>Visual Branding</td>
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<tr>
<td>General Education Elective</td>
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<tr>
<td>ART 311</td>
<td>Graphic Design IV</td>
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</tr>
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<td>ART 314</td>
<td>Interaction Design II</td>
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<td>ARH 300</td>
<td>History of Graphic Design</td>
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<tr>
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<td><strong>Year Four</strong></td>
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<tr>
<td><strong>Semester Seven</strong></td>
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<tr>
<td>ART 400</td>
<td>Special Topics: Design for the Social Good</td>
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</tr>
<tr>
<td>ART 413</td>
<td>Interaction Design III</td>
<td>3</td>
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<tr>
<td>ARH Elective</td>
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<tr>
<td>General Education Elective</td>
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<td>3</td>
</tr>
<tr>
<td>General Education Elective</td>
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<td>3</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
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</tr>
<tr>
<td><strong>Semester Eight</strong></td>
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</tr>
<tr>
<td>ART 415</td>
<td>Senior Thesis Project</td>
<td>3</td>
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<tr>
<td>ART 499</td>
<td>Portfolio</td>
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<td>General Education Elective</td>
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<td>3</td>
</tr>
<tr>
<td>General Education Elective</td>
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<td>3</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td></td>
<td>15</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td>120</td>
</tr>
</tbody>
</table>

Recommended ART electives: ART 228 and ART 450
Students must maintain a minimum grade of C in all ART and ARH courses.

B.F.A. IN STUDIO ARTS

College of Arts and Humanities

Curriculum

The Bachelor of Fine Arts is regarded as the initial professional degree in art by the National Association of Schools of Art. Its primary emphasis is on the development of skills, concepts, and sensitivities important to the professional artist. Concentration in a major professional area begins only with satisfactory completion of the foundation requirements and the approval of the faculty advisor.

General Education Requirements [http://catalog.wcupa.edu/undergraduate/general-education-requirements](http://catalog.wcupa.edu/undergraduate/general-education-requirements)

- English Composition Requirements 6
- Mathematics Requirement 3
- Public Speaking Requirement 3
- Science requirements 6
- Behavioral & Social Science requirements 6

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Humanities requirements 6
Arts requirement 3
Diverse Communities requirement 3
Interdisciplinary requirement 3
Student Electives 9
Writing Emphasis requirements 9

Foundation Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 106</td>
<td>Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>ART 111</td>
<td>2D Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 112</td>
<td>Color Theory</td>
<td>3</td>
</tr>
<tr>
<td>ART 120</td>
<td>3D Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 206</td>
<td>Drawing II</td>
<td>3</td>
</tr>
<tr>
<td>ART 216</td>
<td>Painting I</td>
<td>3</td>
</tr>
<tr>
<td>ART 113</td>
<td>Digital Media</td>
<td>3</td>
</tr>
<tr>
<td>ARH 103</td>
<td>Art History I: Paleolithic-Middle Ages</td>
<td>3</td>
</tr>
<tr>
<td>ARH 104</td>
<td>Art History II: Renaissance through Modern Day</td>
<td>3</td>
</tr>
</tbody>
</table>

Select two art history electives at the 200-level or above 6

Elective Concentration Requirements

Students may select studio art (ART) courses within these concentrations: painting/drawing, sculpture, crafts, or general studio. Studio art electives should be selected under advisement 39

Total Minimum Credits Required 120

Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year One</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Semester One</td>
<td></td>
<td></td>
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<tr>
<td>ART 106</td>
<td>Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>ART 111</td>
<td>2D Design</td>
<td>3</td>
</tr>
<tr>
<td>ARH 103</td>
<td>Art History I: Paleolithic-Middle Ages</td>
<td>3</td>
</tr>
<tr>
<td>WRT 120</td>
<td>Effective Writing I</td>
<td>3</td>
</tr>
<tr>
<td>MAT 103</td>
<td>Introduction to Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Credits</td>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>

| | |
| Semester Two | |
| ART 112 | Color Theory | 3 |
| ART 206 | Drawing II | 3 |
| ART 120 | 3D Design | 3 |
| ARH 104 | Art History II: Renaissance through Modern Day | 3 |
| Select one of the following: | |
| WRT 200 | Critical Writing and Research | 3 |
| WRT 204 | Critical Writing: Approaches to Pop Culture | |
| WRT 205 | Critical Writing: Investigating Experience | |
| WRT 206 | Critical Writing: Multidisciplinary Imagination | |
| WRT 208 | Critical Writing: Entering Public Sphere | |
| WRT 220 | Critical Writing: Special Topics | |
| Credits | | 15 |

| | |
| Year Two | |
| Semester Three | |
| ART 113 | Digital Media | 3 |

| | |
| Year Three | |
| Semester Four | |
| ART 216 | Painting I | 3 |
| SPK 208 | Public Speaking | 3 |
| or | or Business and Professional Speech | |
| SPK 230 | Communication | |
| General Education elective | 3 |
| General Education elective | 3 |
| Credits | | 15 |

| | |
| Semester Five | |
| ART elective - Professional concentration (see tables below) | 3 |
| ART elective - Professional concentration (see tables below) | 3 |
| ART elective - Professional concentration (see tables below) | 3 |
| General Education elective | 3 |
| General Education elective | 3 |
| General Education elective | 3 |
| Credits | | 15 |

| | |
| Year Four | |
| Semester Six | |
| ART elective - Professional concentration (see tables below) | 3 |
| ART elective - Professional concentration (see tables below) | 3 |
| ARH XXX elective | 3 |
| General Education elective | 3 |
| General Education elective | 3 |
| Credits | | 15 |

| | |
| Semester Seven | |
| ART elective - Professional concentration (see tables below) | 3 |
| ART elective - Professional concentration (see tables below) | 3 |
| ARH XXX elective | 3 |
| General Education elective | 3 |
| General Education elective | 3 |
| Credits | | 15 |

| | |
| Semester Eight | |
| ART 492 | Senior Seminar | 3 |
| ART elective - Professional concentration (see tables below) | 3 |
| ART elective - Professional concentration (see tables below) | 3 |
| General Education elective | 3 |
| General Education elective | 3 |
| Credits | | 15 |

| | |
| Total Credits | 120 |
One ARH elective must be at the 300 level or above. Students must maintain a minimum grade of C in ART and ARH courses.

**Professional Concentrations - Selected Under Advisement**

**Drawing/Painting**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ART 217</td>
<td>Painting II</td>
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<tr>
<td>ART 226</td>
<td>Watercolor I</td>
<td>3</td>
</tr>
<tr>
<td>ART 241</td>
<td>Printmaking: Graphic Forms</td>
<td>3</td>
</tr>
<tr>
<td>ART 242</td>
<td>Printmaking as Narrative Form</td>
<td>3</td>
</tr>
<tr>
<td>ART 306</td>
<td>Drawing III</td>
<td>3</td>
</tr>
<tr>
<td>ART 307</td>
<td>Drawing IV</td>
<td>3</td>
</tr>
<tr>
<td>ART 317</td>
<td>Painting III</td>
<td>3</td>
</tr>
<tr>
<td>ART 318</td>
<td>Painting IV</td>
<td>3</td>
</tr>
<tr>
<td>ART 319</td>
<td>Painting V</td>
<td>3</td>
</tr>
<tr>
<td>ART 320</td>
<td>Painting: Independent Projects</td>
<td>3</td>
</tr>
<tr>
<td>ART 345</td>
<td>Printmaking: Independent Projects</td>
<td>3</td>
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</table>

**Sculpture/Crafts**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ART 221</td>
<td>Structural Materials and Fabrication</td>
<td>3</td>
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<tr>
<td>ART 222</td>
<td>Sculpture I</td>
<td>3</td>
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<tr>
<td>ART 230</td>
<td>Digital Object Design-3D Printing</td>
<td>3</td>
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<tr>
<td>ART 231</td>
<td>Ceramics I: Basic Techniques</td>
<td>3</td>
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<tr>
<td>ART 232</td>
<td>Ceramics II: Intermediate Techniques</td>
<td>3</td>
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<tr>
<td>ART 321</td>
<td>Sculpture II</td>
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<tr>
<td>ART 322</td>
<td>Sculpture III</td>
<td>3</td>
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<tr>
<td>ART 325</td>
<td>Sculpture: Independent Projects</td>
<td>3</td>
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<tr>
<td>ART 331</td>
<td>Ceramics: Unconventional Methods</td>
<td>3</td>
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<tr>
<td>ART 332</td>
<td>Ceramics: Raw Materials</td>
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<tr>
<td>ART 335</td>
<td>Ceramics: Independent Projects</td>
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**General Studio**

Select 12 ART electives

**Photography Electives**

<table>
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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>ART 228</td>
<td>Digital Photography</td>
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## MINOR IN ART HISTORY

**College of Arts and Humanities**

*Required Courses*

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<td>ARH 103</td>
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</tr>
<tr>
<td>ARH 104</td>
<td>Art History II: Renaissance through Modern Day</td>
<td>3</td>
</tr>
</tbody>
</table>

*Electives*

Select 12 semester hours of electives at the 200, 300, and 400 levels.

**Total Minimum Credits Required** 18

**Art History Survey**

Structured sequence of courses designed to provide an in-depth comprehensive core of Western art development. Recommended as an important cultural component to the study of history, literature, performing arts, anthropology, sociology, and psychology.

### MINOR IN STUDIO ART

**College of Arts and Humanities**

**Curriculum**

*Required courses*

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ART 106</td>
<td>Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>ART 111</td>
<td>2D Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 120</td>
<td>3D Design</td>
<td>3</td>
</tr>
</tbody>
</table>

**Minor specialization**

The student, under advisement, may select a minor specialization so that the emphasis is on one of these groups: graphic design, painting/drawing, sculpture/crafts, or general art.

**Total Credits** 18

## DEPARTMENT OF BIOLOGY

*College of the Sciences and Mathematics*

(See also Pre-Medical Program (p. 448))

175 Schmucker Science North
610-436-2538

Department of Biology (http://www.wcupa.edu/biology)

Giovanni Casotti (gcasotti@wcupa.edu), Chairperson
Josh Auld (jauld@wcupa.edu), Assistant Chairperson

The major in biology centers on a core of courses that emphasizes broad unifying principles. Available electives provide enriching experiences in many areas of biology.

The Department of Biology offers two undergraduate degree programs with six concentrations within the B.S. degree:

- **The B.S. in Biology: Integrative Concentration** can be individually tailored to provide the skills that students need to achieve their career goals. This program also provides the basic preparation needed for entry into graduate or professional schools, including physical therapy programs.

- **The B.S. in Biology: Cell and Molecular Concentration** offers the student a strong background in both biology and chemistry. Emphasis on lab-oriented courses prepares the student to pursue a career in laboratory research in cell and molecular biology at industrial, medical, academic, and government facilities. This program also prepares the student for admission to medical, dental, veterinary, graduate, and professional schools.

- **The B.S. in Biology: Ecology and Conservation Concentration** provides an opportunity for interested students to obtain a strong background in field biology and the conservation of natural systems. The required core curriculum and concentration electives provide opportunities for careers as biologists in state and federal environmental agencies, industry, and environmental consulting firms, as well as graduate work in ecology and conservation. Internships are strongly recommended as part of the program. Course work emphasizes skills obtained in biology, chemistry, and mathematics. Additional course work from other departments may be recommended to fulfill particular career objectives.

- **The B.S. in Biology: Marine Science Concentration** provides the opportunity for students to obtain a strong educational background in marine biology and other topics in a field that stretches from marine organisms to biotechnology and even oceanography interests from the coastal waters to deep oceans. The required core curriculum and electives will allow students the opportunity to draw on educational resources at West Chester University and marine field stations, such as the Wallops Island Marine Science Consortium in Virginia. Course work emphasizes techniques in biological sciences, oceanography, chemistry, physics, and mathematics. Field and laboratory courses form a strong foundation of this program, and students are encouraged to engage in directed research projects or internships.

- **The B.S. in Biology: Medical Laboratory Science Concentration** provides a strong background in both biology and chemistry. Emphasis on lab-oriented courses prepares the student to pursue a career in laboratory medicine, and students receive 26 credits for the internship year (BIO 407 and BIO 408, Hospital Internship in Medical Laboratory...
Science). To qualify for the internship, students must have a 2.75 GPA and be accepted by an accredited hospital medical technology program. Students completing the internship will receive a B.S. in Biology - Medical Laboratory Science Concentration and the training necessary to take the national certification exam. Affiliated hospitals include Pennsylvania Hospital, Lancaster General Hospital, and St. Christopher's Hospital for Children.

- The B.S. in Biology: Microbiology Concentration prepares students for careers in research laboratories, industrial and academic research, and government service in the areas of bacteriology, immunology, virology, mycology, and parasitology. The program provides extensive laboratory experience with the techniques that are most useful and important to modern microbiological science. This program also provides the basic preparation needed for entry into graduate programs.

- The B.S.Ed. in Biology is a program designed to prepare the student for a career in teaching in secondary schools. Professional certification in biology is awarded to the student who completes the program satisfactorily. Students are strongly advised to seek certification in a related area to enhance their employment potential. Such related areas include general science, health, education, athletic training, and environmental education. This program requires 126 credits for completion. See the Educator Preparation Programs (p. 266) section of this catalog for an explanation of related requirements.

**Programs**

**Majors in Biology**

- B.A. in Biology (p. 190) (no longer admitting students)
- B.S. in Biology - Integrative Biology Concentration (p. 195)
  - B.S. in Biology - Integrative Biology Concentration to M.S. in Biology (Thesis Option) Accelerated Program (p. 195)
- B.S. in Biology - Cell and Molecular Concentration (p. 191)
- B.S. in Biology - Ecology and Conservation Concentration (p. 193)
  - B.S. in Biology - Ecology and Conservation Concentration to M.S. in Biology (Thesis Option) Accelerated Program (p. 193)
- B.S. in Biology - Marine Science Concentration (p. 196)
- B.S. in Biology - Medical Laboratory Science Concentration (p. 198)
- B.S. in Biology - Microbiology Concentration (p. 199)
- B.S.Ed. in Biology (p. 201)

**Minors in Biology**

- Biology (p. 202)

**Graduate Opportunities**

See the graduate catalog for more information on the Biology programs. (http://catalog.wcupa.edu/graduate/sciences-mathematics/biology)

**Policies**

- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

**Internal and External Transfer Students**

For an internal transfer into any biology degree program, a student must:

1. Be in good academic standing (2.00 GPA or better);
2. Have already passed BIO 100 with an A- or better, or BIO 110 with a C- or better; and
3. Complete the application for change of major.

For newly admitted transfer students, a student must

1. Meet University standards for admission to West Chester University;
2. Have a grade of C- (70%) or better if they have taken a BIO 110 equivalent; and
3. Interview with a department representative.

NOTE: In order to receive a degree in biology from West Chester University, a transfer student must successfully complete a minimum of 50 percent of the required biology credits in the West Chester University Department of Biology.

**Advanced Placement Policy**

A score of three or better on the Biology Advanced Placement Exam will transfer as credit for BIO 110, General Biology.

**Accelerated Program Policy**

Refer to the Accelerated Programs page (p. 129) for more information.

**Admission to the Accelerated B.S. in Biology - Integrative Concentration to M.S. in Biology**

To be considered for the accelerated program and enroll in BIO 608 (Thesis Research I), students must have attained (completed) 75 credits with a minimum of 18 biology credits. Students must have a minimum cumulative GPA of 3.00 including a minimum GPA of 3.00 for biology courses. BIO 608 requires departmental permission to enroll; students must arrange a committee meeting prior to enrolling in BIO 608 (e.g., during their third year). The accelerated program in biology is only open to thesis students. Any student wishing to switch out of the thesis option will be required to complete all requirements of the B.S. degree. Once admitted to the graduate program, graduate policies apply, including minimum GPA (3.00).

**Faculty**

**Professors**

Sharon Began (sbegan@wcupa.edu) (1992)
B.S., Kutztown University; M.S., East Tennessee State University; Ph.D., Southern Illinois University at Carbondale

Giovanni Casotti (gcasotti@wcupa.edu) (1996)
Chairperson, Biology
B.S., Hons, Ph.D., Murdoch University (Australia)

Frank E. Fish (ffish@wcupa.edu) (1980)
B.A., State University of New York at Oswego; M.S., Ph.D., Michigan State University

Gustave N. Mbuy (gmbuy@wcupa.edu) (1985)
B.A., University of California; M.M., Ph.D., University of Cincinnati

Oné R. Pagán (opagan@wcupa.edu) (2005)
B.S., M.S., University of Puerto Rico; Ph.D., Cornell University

Harry Tiebout (htiebout@wcupa.edu) (1992)
B.A., University of Illinois; Ph.D., University of Florida

Gregory Turner (gtturner@wcupa.edu) (2004)
B.S., Virginia Commonwealth University; M.A., Hunter College; M.Ed., Columbia University; Ph.D., Fordham University
Jack Waer (jwaber@wcupa.edu) (1976)
B.A., Hope College (Mich.); Ph.D., University of Hawaii

Associate Professors
Josh R. Auld (jauld@wcupa.edu) (2011)
Assistant Chairperson, Biology
B.S., Duquesne University; Ph.D., University of Pittsburgh

Stefanie Anne Boettger (sboettger@wcupa.edu) (2008)
Graduate Coordinator, Biology
B.S., Aberdeen University (Scotland); Ph.D., University of Alabama at Birmingham

John M. Pisciotta (jpisciotta@wcupa.edu) (2012)
B.A., Eckerd College; M.S., University of South Florida; Ph.D., Johns Hopkins University

Jessica Schedlbauer (jschedlbau@wcupa.edu) (2010)
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Assistant Professors
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B.S., James Madison University; Ph.D., Princeton University

Eric S. Sweet (esweet@wcupa.edu) (2016)
B.S., Virginia Tech; Ph.D. Rutgers University

Courses

BIO

BIO 100. Basic Biological Science. 3 Credits.
LEC (2), LAB (2)
Gen Ed Attribute: Science Distributive Requirement.
Typically offered in Fall, Spring & Summer.

BIO 110. General Biology. 3 Credits.
LEC (2), LAB (3)
The concepts general to all living organisms such as cell structure and function, genetics, evolution, and ecology. This course is designed for majors in biology and related scientific areas.
Gen Ed Attribute: Science Distributive Requirement.
Typically offered in Fall, Spring & Summer.

BIO 214. General Microbiology. 4 Credits.
LEC (3), LAB (3)
The biology of microorganisms, their structure, physiology, and control; the nature and dynamics of disease and disease control; principles of food, industrial, and environmental microbiology. The laboratory will deal with microbiological techniques, isolation and identification of microbes, and water and food analysis. This course is for biology majors.
Pre / Co requisites: BIO 214 requires prerequisite of BIO 110.
Typically offered in Fall, Spring & Summer.

BIO 215. General Botany. 3 Credits.
LEC (2), LAB (3)
A survey of plant and plant-like organisms from bacteria to and including the angiosperms with emphasis on anatomy, physiology, reproduction, and economic importance.
Pre / Co requisites: BIO 215 requires prerequisite of BIO 110.
Typically offered in Fall & Spring.

BIO 217. General Zoology. 3 Credits.
LEC (2), LAB (3)
Principles of animal biology. Form and function of vertebrate and invertebrate animal types.
Pre / Co requisites: BIO 217 requires prerequisite of BIO 110.
Typically offered in Fall & Spring.

BIO 220. Cell Physiology. 3 Credits.
LEC (2), LAB (3)
An introduction to cellular and molecular biology with emphasis on cell morphology, biochemistry, and cell physiology.
Pre / Co requisites: BIO 220 requires prerequisites of BIO 110 and CHE 231.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

BIO 230. Genetics. 3 Credits.
Nature of genetic material and its qualitative and quantitative variation: recombination; interaction of gene products; regulation of genetic material; and its role in evolution.
Pre / Co requisites: BIO 230 requires prerequisites of BIO 110 and MAT 121.
Typically offered in Fall & Spring.

BIO 259. Human Anatomy and Physiology I. 4 Credits.
LEC (3), LAB (2)
An introduction to human structure and function. Skeletal, muscular, and nervous systems are emphasized. Laboratory involves study of human development and gross anatomy of the skeletal, muscular, and nervous systems. May not be taken as a biology major elective.
Typically offered in Fall, Spring & Summer.

BIO 269. Human Anatomy and Physiology II. 4 Credits.
LEC (3), LAB (2)
Continuation of BIO 259. Endocrine, circulatory, respiratory, immune, digestive, and urogenital systems emphasized. May not be taken as a biology major elective.
Pre / Co requisites: BIO 269 requires prerequisite of BIO 259.
Typically offered in Fall, Spring & Summer.

BIO 270. Ecology. 3 Credits.
LEC (2), LAB (3)
Relationships between living organisms and their environment.
Pre / Co requisites: BIO 270 requires prerequisite of BIO 110.
Typically offered in Fall & Spring.

BIO 275. Field Botany. 3 Credits.
LEC (2), LAB (3)
Methods of studying plants in their natural surroundings. Use of keys, botanical manuals, and illustrated floras to identify living specimens.
Pre / Co requisites: BIO 275 requires prerequisite of BIO 100 or BIO 215.
Typically offered in Summer.

BIO 277. Vertebrate Ecology. 3 Credits.
LEC (2), LAB (2)
Pre / Co requisites: BIO 277 requires prerequisites of BIO 100 or BIO 217.
Typically offered in Fall.
BIO 307. Pathophysiology. 3 Credits.
An integrated study of the processes involved in the total body systemic complex as it changes from the ordered homeostatic condition to the imbalanced diseased state. The use of disease models, with clinical considerations, strengthens the concepts. May not be taken as a biology major elective.
Pre / Co requisites: BIO 307 requires prerequisites of a C- or better in BIO 259 and BIO 269. Typically offered in Fall & Spring.

BIO 310. Biostatistical Applications. 3 Credits.
LEC (2), LAB (3)
The design, statistical analysis, graphical display and presentation of biological research.
Pre / Co requisites: BIO 310 requires prerequisites of BIO 110 and MAT 121. Typically offered in Fall & Spring.

BIO 311. Contemporary Issues in Biology Teaching. 3 Credits.
Curricular trends in biology education, biotechnology, and bioethics are analyzed in a social context through constructive controversy. The nature of science is explored and experiential skills are honed through practical application via a laboratory-oriented, faculty-student mentoring program. May not be taken as a biology elective.
Pre / Co requisites: BIO 311 requires prerequisites of BIO 110, BIO 215, BIO 217, BIO 230, EDF 300, and EDP 250. Typically offered in Fall.

BIO 312. Marine Botany. 3 Credits.
LEC (2), LAB (3)
This course will introduce students to identifying and classifying microscopic and macroscopic algae and seagrasses from marine and estuarine habitats. Fieldwork along the East coast of the U.S. will focus on the identification and ecology of its unique marine macroflora. Topics to be covered include: seaweed and seagrass structure, taxonomy and classification, reproduction and life histories, distribution and ecology, human impacts on marine plants, and the impacts of marine plants on human affairs, collection and preservation of marine plants, and production of herbarium specimen.
Pre / Co requisites: BIO 312 requires prerequisite BIO 215 or permission of instructor. Typically offered in Spring.

BIO 313. Marine Biology. 3 Credits.
The course is intended to provide a general introduction to the biology of marine organisms. Lectures will focus on the diversity, ecology, and adaptations of organisms living in the marine environment.

BIO 314. Pathogenic Microbiology. 4 Credits.
LEC (2), LAB (4)
Systematic study of pathogenic bacteria with extensive laboratory experience in handling and identifying these organisms.
Pre / Co requisites: BIO 314 requires a prerequisite of BIO 214. Typically offered in Spring.

BIO 315. Terrestrial Ecosystem Ecology. 3 Credits.
LEC (2), LAB (3)
Transfer of materials and energy through terrestrial ecosystem with emphasis on carbon, water, and nutrient cycling. Ecosystem responses to climate change are emphasized.
Pre / Co requisites: BIO 315 requires prerequisites of BIO 110, BIO 215, BIO 217, and BIO 270. Typically offered in Fall.

BIO 333. Molecular Biology Techniques. 2 Credits.
An introduction to laboratory techniques for molecular biology including restriction enzyme digests, gel electrophoresis, gene cloning in E. coli, RNA and DNA isolation, and polymerase chain reaction.
Pre / Co requisites: BIO 333 requires prerequisites of BIO 230 and BIO 204 or BIO 214 and CHE 231. Typically offered in Fall & Spring.

BIO 334. Microbial Genetics. 4 Credits.
LEC (3), LAB (3)
A course on the genetics of bacteria, their viruses, plasmids, and transposable elements. Applications of microbial genetics in genetic engineering and biotechnology.
Pre / Co requisites: BIO 334 requires prerequisites of BIO 110 and BIO 214 and BIO 230 and CHE 231. Typically offered in Spring.

BIO 357. Comparative Vertebrate Anatomy. 4 Credits.
LEC (2), LAB (4)
Comparative study of the principal organ systems of vertebrates as to their structure, function, and evolutionary relationships.
Pre / Co requisites: BIO 357 requires prerequisite of BIO 217. Typically offered in Fall.

BIO 367. Physiology of Drug Interactions. 3 Credits.
An introduction to the mechanism of action of prototype drugs. The physiological alterations produced by various drugs as well as interactions between drug classes will be emphasized.
Pre / Co requisites: BIO 367 requires prerequisites of BIO 269 or BIO 468 or BIO 469. Typically offered in Spring.

BIO 377. Entomology. 3 Credits.
LEC (2), LAB (3)
The structure, function, classification, economic importance, and biological significance of insects.
Pre / Co requisites: BIO 377 requires prerequisite of BIO 110 or BIO 217. Typically offered in Fall.

BIO 387. Invertebrate Zoology. 3 Credits.
LEC (2), LAB (1)
This course investigates the biology of the invertebrates, an enormously disparate group of organisms with a vast array of morphologies, physiologies and life histories. It emphasizes common features among different groups of invertebrates paying particular attention to physiology, development, grades of construction, ecology, systematics, and behavior. Besides the traditional laboratory and lecture format, students will participate in field trips and perform presentations that touch some aspect of invertebrate zoology.
Pre / Co requisites: BIO 387 requires prerequisite of BIO 217 or permission of instructor. Typically offered in Spring.

BIO 407. Hospital Internship in Medical Laboratory Science, Fall. 13 Credits.
(with BIO 408) A two-semester, work-study appointment with an affiliated hospital. The satisfactory completion of this internship is accepted as the senior year’s work by West Chester University. This hospital internship will prepare the student to take the ASCP National Exam for Medical Laboratory Scientists. Students who have completed 65 credit hours in the B.S. biology general concentration should apply for this internship in the summer following their sophomore year. Students must have an overall GPA of 2.75 and approval from the Department of Biology and the affiliated hospital.
Pre / Co requisites: BIO 407 requires prerequisites of admission into an affiliated hospital MLS program and a minimum GPA of 2.75. Consent: Permission of the Department required to add. Typically offered in Fall.

BIO 408. Hospital Internship in Medical Laboratory Science, Spring. 13 Credits.
(with BIO 407) A two-semester, work-study appointment with an affiliated hospital. The satisfactory completion of this internship is accepted as the senior year’s work by West Chester University. This hospital internship will prepare the student to take the National Exam for Medical Laboratory Scientists. Students who have completed 65 credit hours in the B.S. biology general concentration should apply for their internship in the summer following their sophomore year. Students must have an overall GPA of 2.75 and approval from the Department of Biology and the affiliated hospital.
Pre / Co requisites: BIO 408 requires a prerequisite of BIO 407 and a minimum cumulative GPA of 2.75. Consent: Permission of the Department required to add. Typically offered in Spring.

BIO 409. Internship in Biological Sciences. 3-16 Credits.
A one-semester, work-study appointment with a commercial, industrial, or governmental agency. Students will be supervised jointly by a professional scientist of the agency and a Department of Biology faculty member. A minimum of eight combined credits from BIO 409 and BIO 491 may be applied to total biology credits.
Pre / Co requisites: BIO 409 requires prerequisites: Biology major; senior standing; GPA of 2.5 overall; 2.50 in biology and approval of biology curriculum committee. Consent: Permission of the Department required to add. Repeatable for Credit.

BIO 412. Organic Evolution. 3 Credits.
An introduction to the general concepts, processes, and mechanisms of Evolutionary Biology from molecular, organismal, and population perspectives.
Pre / Co requisites: BIO 412 requires a prerequisite of BIO 230 and 9 hours of biology. Typically offered in Spring.
BIO 414. Applied and Industrial Microbiology. 3 Credits.
This course traces both the historical and current applications of microbiology in industry and society. Topics covered during lectures include building and equipment design, microbiological safety, fermentation, waste treatment, compost, and food production. The course also features guest lectures from several practicing microbiologists involved in industry.
Pre / Co requisites: BIO 414 requires prerequisite of BIO 214. Typically offered in Fall.

BIO 415. Tropical Ecology and Conservation. 3 Credits.
The ecology of biomes comprising the tropics. Emphasis will be placed on contemporary conservation issues in tropical areas.

BIO 421. Cellular and Molecular Biology. 4 Credits.
A lecture and laboratory course that studies the molecular basis of cellular life. Eukaryotic cell structure and function will be emphasized.
Pre / Co requisites: BIO 421 requires prerequisites of BIO 220 and BIO 333 and CHE 232. Typically offered in Spring.

BIO 422. Cancer Biology. 3 Credits.
A comprehensive, lecture-based course that covers the genetic, molecular, histological, and therapeutic aspects of cancer biology. The course is designed around the emerging hallmarks of cancer and the enabling characteristics of cancer as a disease.
Pre / Co requisites: BIO 422 requires prerequisites of BIO 214, BIO 220, and BIO 230. Typically offered in Fall.

BIO 428. Animal Histology. 3 Credits.
LEC (2), LAB (2)
A study of the microscopic structure and function of vertebrate tissues and organs.
Pre / Co requisites: BIO 428 requires prerequisites of BIO 110 and BIO 217. Typically offered in Fall.

BIO 431. Molecular Genetics. 3 Credits.
A second course in genetics, covering the molecular biology of genetic events. Emphasis will be on the molecular details of basic genetic processes, such as DNA replication and transcription, RNA translation and protein synthesis, the genetic code, molecular mechanisms of gene regulation, and an introduction to biotechnology.
Pre / Co requisites: BIO 431 requires prerequisites of BIO 230 and CHE 232. Typically offered in Fall & Spring.

BIO 435. Course Topics in Biology. 1-3 Credits.
Courses in this series are of timely interest to the student. Topics may include biological terminology, laboratory techniques, mycology, etc. Open only to junior and senior science majors.
Repeatable for Credit.

BIO 436. Course Topics in Biology. 1-3 Credits.
Courses in this series are of timely interest to the student. Topics may include biological terminology, laboratory techniques, mycology, etc. Open only to junior and senior science majors.
Repeatable for Credit.

BIO 438. Course Topics in Biology. 1-3 Credits.
Courses in this series are of timely interest to the student. Topics may include biological terminology, laboratory techniques, mycology, etc. Open only to junior and senior science majors.
Repeatable for Credit.

BIO 440. Human Genetics. 3 Credits.
A detailed survey of the principles of human heredity. Also examines impact of genetics on current issues in human medicine, pharmacology, evolution and society.
Typically offered in Spring.

BIO 443. Introduction to Gene Expression Methodology. 3 Credits.
Theory and practical application of RNA methodologies used in gene expression.
Pre / Co requisites: BIO 443 requires a prerequisite of BIO 333. Typically offered in Spring.

BIO 444. Animal Development. 4 Credits.
LEC (3), LAB (3)
Introduction to principles of animal development with laboratory study of vertebrate embryos.
Pre / Co requisites: BIO 448 requires prerequisites of BIO 110 and BIO 217 and BIO 220 and BIO 230. Typically offered in Spring.

BIO 452. Parasitology. 3 Credits.
Biology of the principal parasites of man and domestic animals. Emphasis is on life cycles of common parasites, identification of diagnostic forms, and understanding the diseases associated with parasites of major economic and medical importance.
Pre / Co requisites: BIO 452 requires prerequisites of BIO 204 or BIO 214 and BIO 217. Typically offered in Fall.

BIO 453. Marine Mammals. 3 Credits.
An integrated examination of marine mammals. Emphasis will be on the evolution of the group and the unique functional morphology, behavior and physiology of cetaceans, pinnipeds and sirenians.
Pre / Co requisites: BIO 453 requires prerequisite of BIO 217 and 12 credits of BIO Major Courses.
Typically offered in Spring.

BIO 454. Mycology. 3 Credits.
An introductory course including a general study of the biology of fungi and a survey of the field of medical mycology.
Pre / Co requisites: BIO 454 requires prerequisites of BIO 110 and BIO 214. Typically offered in Spring.

BIO 456. Virology. 3 Credits.
Molecular biology of bacterial, plant, and animal viruses; virus classification, ultrastructure, mechanisms of replication, and effects of virus infection on host cell.

BIO 459. Immunology. 4 Credits.
LEC (3), LAB (3)
Immunoglobulin structure and function, nature of antigens, cell-mediated immunity, hypersensitivity, regulation of immunity, and immunological diseases. Laboratory experience in immunological techniques.
Pre / Co requisites: BIO 459 requires prerequisites of BIO 214 and CHE 232. Typically offered in Fall & Summer.

BIO 463. Comparative Vertebrate Physiology. 4 Credits.
LEC (2), LAB (3)
Physiological processes of plants. Photosynthesis, respiration, intermediary metabolism, entrance of solutes into the plant, water metabolism, and growth regulators.
Pre / Co requisites: BIO 466 requires prerequisites of BIO 215 and CHE 231. Typically offered in Spring.

BIO 467. Endocrinology. 3 Credits.
An integrative look at the physiology of the mammalian endocrine system in the regulation and maintenance of homeostasis. The pathology associated with hormonal imbalance will be included.
Pre / Co requisites: BIO 467 requires prerequisites of C or better in BIO 217 and BIO 220 and a C or better in one 300 or 400 level BIO course. Typically offered in Fall.

BIO 468. Comparative Vertebrate Physiology. 4 Credits.
LEC (3), LAB (3)
Comparative physiology of fishes, amphibians, reptiles, birds and mammals, with emphasis on organ-based homeostatic regulatory mechanisms.
Pre / Co requisites: BIO 468 requires prerequisites of BIO 217 and BIO 220. Typically offered in Spring.
BIO 469. Human Physiology. 4 Credits.
LEC (3), LAB (3)
Theoretical and applied principles of the physiology of humans presented from an organ-system approach. Emphasis is placed on homeostatic regulatory mechanisms. May not be taken as a biology major elective.
Pre / Co requisites: BIO 469 requires prerequisites of BIO 220 and BIO 230 and CHE 232. Typically offered in Fall.

BIO 470. Population Biology. 3 Credits.
LEC (2), LAB (3)
A quantitative, second course in ecology, emphasizing distributional patterns and fluctuations in abundance of natural populations.
Pre / Co requisites: BIO 470 requires prerequisites of BIO 270 and MAT 121 and MAT 143 or MAT 145 or MAT 161. Typically offered in Fall.

BIO 471. Wetlands. 3 Credits.
LEC (2), LAB (3)
A course designed to provide practical experience in wetlands' classification, delineation, regulation, management, and mitigation practices. The abiotic and biotic characteristics of inland and coastal wetlands are emphasized. Typically offered in Summer.

BIO 473. Conservation Biology. 3 Credits.
The application of basic biological and ecological principles for the preservation of biological diversity. Emphasis will be on understanding the threats to biodiversity, the values of biodiversity, and preservation strategies including ecological risk assessment and the management of endangered species, habitats, and ecosystems.
Pre / Co requisites: BIO 473 requires prerequisites of BIO 215 and BIO 376 and BIO 470. Typically offered in Spring.

BIO 474. Microbial Ecology. 4 Credits.
LEC (3), LAB (3)
Theory and application of modern microbial ecology. Lectures will focus on topics such as microbial communities, interactions with other organisms, biogeochemistry, and biotechnology.
Pre / Co requisites: BIO 474 requires prerequisites of BIO 110 and BIO 210 and BIO 470 and CHE 103 and CHE 104. Typically offered in Fall.

BIO 475. Plant Communities. 3 Credits.
LEC (2), LAB (3)
A survey of ecological, morphological, and physiological strategies of plants from seed through adult stages. The integration of these strategies to explain the major plant communities of North America will be covered.
Pre / Co requisites: BIO 475 requires prerequisite of BIO 215. Typically offered in Fall.

BIO 476. Freshwater Ecology. 3 Credits.
LEC (2), LAB (3)
The environmental and biological characteristics of freshwater. Emphasis is placed on field methods, water quality evaluation based on the interpretation of comprehensive datasets, and management strategies for lakes, ponds and streams.
Pre / Co requisites: BIO 476 requires prerequisites of BIO 270 and CHE 104. Typically offered in Fall.

BIO 477. Plant Evolution. 3 Credits.
Application of contemporary phylogenetic theory to explain the genesis of plant biodiversity. Origins of critical plant adaptations are explored with regard to time of origin, environmental conditions and ancestry.
Pre / Co requisites: BIO 477 requires prerequisite: BIO 215 or permission of instructor. Typically offered in Spring & Summer.

BIO 480. Light Microscopy and the Living Cell. 3 Credits.
A one-semester lecture and lab course covering the theory and practical techniques of all types of light microscopy and their uses in investigating living cells. Also includes techniques such as microinjection, cell electrophysiology, and others. Strong emphasis on 'hands-on' work with equipment.
Pre / Co requisites: BIO 480 requires prerequisites of BIO 110 and BIO 215 or BIO 217. Typically offered in Spring.

BIO 484. Epidemiology. 3 Credits.
A general study of the epidemiology of both infectious and noninfectious diseases, including industrial and environmentally related health problems.
Pre / Co requisites: BIO 484 requires prerequisite of BIO 214. Typically offered in Fall.

BIO 485. Systematic Botany. 3 Credits.
LEC (2), LAB (3)
Principles of evolution as illustrated by the principles of plant taxonomy. Modern concepts of biosystematics. Practical experience in plant identification.
Pre / Co requisites: BIO 485 requires prerequisite of BIO 215. Typically offered in Fall.

BIO 490. Biology Seminar. 3 Credits.
SEM (1.5), LEC (1.5)
Reports on special topics and current developments in the biological sciences.
Pre / Co requisites: BIO 490 requires prerequisites of 18 credits of BIO out of 90 credits of course work. Typically offered in Fall, Spring & Summer.

BIO 491. Special Problems in Biology. 1-3 Credits.
Tutorial course primarily for advanced undergraduate biology majors capable of independent study and research on a problem approved by the supervising instructor. A maximum of eight combined credits from BIO 490 and BIO 491 may be applied to biology electives.
Pre / Co requisites: BIO 491 requires a prerequisite of an overall GPA of 2.50 and a BIO GPA of 2.50.
Consent: Permission of the Department required to add. Repeatable for Credit.

SCB

SCB 102. Humans and the Environment. 3 Credits.
The effects of human population on earth's resources are studied against a background of physical, biological, and health sciences. Note: Students completing SCB 102 may not take ESS 102 or ENV 102 for credit. May not be taken as biology major elective.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Fall & Spring.
Cross listed courses SCB 102, ENV 102, ESS 102.

SCB 210. The Origin of Life and the Universe. 3 Credits.
A course that presents the theory and evidence for the first three million of the universe and formation of the stars, galaxies, planets, organic molecules, and the genetic basis of organic evolution. May not be taken as a biology major elective.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Fall.

SCB 350. Science Education in Secondary School. 3 Credits.
A methods course emphasizing knowledge of curricular development and skill in planning, involving the design and execution of learning activities for all instructional modes.
Pre / Co requisites: SCB 350 requires prerequisites of EDS 306 and formal admission into teacher education.
Typically offered in Fall & Spring.

B.A. IN BIOLOGY

College of the Sciences and Mathematics

Curriculum
(Note: As of Spring 2014, this program is no longer accepting new students.)

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

- English Composition requirement 6
- Mathematics requirement 3
- Public Speaking requirement 3
- Science requirements 6
  - Science requirements are met by CHE 103 and PHY 130
- Behavioral & Social Science requirements 6
- Humanities requirements 6
- Arts requirement 3
Diverse Communities requirement 3
Interdisciplinary requirement 3
Student Electives 9
Writing Emphasis requirements 9

**Language Requirement** 3-12

Demonstrating language proficiency through the intermediate level (202).

### Major Core Requirements

<table>
<thead>
<tr>
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<tbody>
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<tr>
<td>CHE 103</td>
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<td>3</td>
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<tr>
<td>CHE 104</td>
<td>General Chemistry II</td>
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<tr>
<td>CHE 231</td>
<td>Organic Chemistry I</td>
<td>4</td>
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<tr>
<td>CRL 103</td>
<td>Experimental General Chemistry I (LAB)</td>
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<tr>
<td>CRL 104</td>
<td>Experimental General Chemistry II (LAB)</td>
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<tr>
<td>CRL 231</td>
<td>Experimental Organic Chemistry I Lab</td>
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<tr>
<td>CHE 232</td>
<td>Organic Chemistry II</td>
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<tr>
<td>MAT 121</td>
<td>Introduction to Statistics I</td>
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<td>PHY 130</td>
<td>General Physics I</td>
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<tr>
<td>PHY 140</td>
<td>General Physics II</td>
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</table>

Select one semester of calculus 3-4

### Biology Electives

Select 12 semester hours under advisement 12

### Other Major Requirements

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<td>BIO 217</td>
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</tr>
<tr>
<td>BIO 270</td>
<td>Ecology</td>
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</table>

Total Minimum Credits Required 120

1 Courses must be passed with a grade of C- (70%) or better.

### Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

## B.S. IN BIOLOGY - CELL AND MOLECULAR CONCENTRATION

### Curriculum

**General Education Requirements** ([undergraduate/general-education-requirements](http://catalog.wcupa.edu/undergraduate/general-education-requirements))

- English Composition requirements 6
- Mathematics requirement 3
- Public Speaking requirement 3
- Science requirements 6
  - Science requirements are met by CHE 103 and PHY 130
- Behavioral & Social Science requirements 6
- Humanities requirements 6
- Arts requirement 3
- Diverse Communities requirement 3
- Interdisciplinary requirement 3
- Student Electives 9
- Writing Emphasis requirements 9

**Writing Emphasis requirements**

**Student Electives**

**Interdisciplinary requirement**

**Diverse Communities requirement**

**Arts requirement**

- **Behavioral & Social Science requirements**
- **Science requirements**

**Public Speaking requirement**

**Mathematics requirement**

**English Composition requirements**

**Humanities requirements**

**Arts requirement**

**Diverse Communities requirement**

**Interdisciplinary requirement**

**Student Electives**

**Writing Emphasis requirements**

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<tr>
<td>CHE 232</td>
<td>Organic Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>PHY 130</td>
<td>General Physics I</td>
<td>4</td>
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<tr>
<td>or PHY 170</td>
<td>Physics I</td>
<td>2</td>
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<tr>
<td>PHY 140</td>
<td>General Physics II</td>
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<tr>
<td>or PHY 180</td>
<td>Physics II</td>
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<tr>
<td>MAT 121</td>
<td>Introduction to Statistics I</td>
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Select one semester of calculus 3-4

### Other Major Requirements

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<th>Course</th>
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<tbody>
<tr>
<td>BIO 214</td>
<td>General Microbiology</td>
<td>4</td>
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<tr>
<td>BIO 215</td>
<td>General Botany</td>
<td>3</td>
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<tr>
<td>or BIO 217</td>
<td>General Zoology</td>
<td>3</td>
</tr>
<tr>
<td>BIO 421</td>
<td>Cellular and Molecular Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 431</td>
<td>Molecular Genetics</td>
<td>3</td>
</tr>
<tr>
<td>BIO 333</td>
<td>Molecular Biology Techniques</td>
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</tr>
<tr>
<td>CHE 476</td>
<td>Biochemistry I</td>
<td>3</td>
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</table>

### Biology or Chemistry Electives

Select 14 semester hours from courses at or above the 300 level 14

Total Minimum Credits Required 120

1 Courses must be passed with a grade of C- (70%) or better.

The recommended Physics sequence is PHY 130 & PHY 140. Students may substitute the PHY 170 & PHY 180 sequence, but PHY 130 may not be used as a prerequisite for PHY 180 and PHY 170 may not be used as a prerequisite for PHY 140.

Select from Biology or Chemistry courses at or above the 300 level, except BIO 307 and BIO 469.

### Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

#### Suggested Sequence for B.S. Biology Majors

<table>
<thead>
<tr>
<th>Year One</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester One</td>
<td>WRT 120</td>
<td>Effective Writing I</td>
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<td>BIO 110</td>
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<td>3</td>
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<td>CHE 103</td>
<td>General Chemistry I</td>
<td>4</td>
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<tr>
<td>&amp; CRL 103</td>
<td>and Experimental General Chemistry I (LAB)</td>
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</table>

Select one of the following: 3-4
### B.S. IN BIOLOGY - CELL AND MOLECULAR CONCENTRATION

**Semester Two**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>MAT 121</td>
<td>Introduction to Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>MAT 143</td>
<td>Brief Calculus</td>
<td></td>
</tr>
<tr>
<td>MAT 145</td>
<td>Calculus for the Life Sciences</td>
<td></td>
</tr>
<tr>
<td>MAT 161</td>
<td>Calculus I</td>
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<tr>
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Credits 16-17

**Year Two**

**Semester Three**

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<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>CHE 231</td>
<td>Organic Chemistry I</td>
<td>6</td>
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<tr>
<td>CHE 231  &amp; CRL 231</td>
<td>and Experimental Organic Chemistry I Lab</td>
<td></td>
</tr>
<tr>
<td>BIO 214</td>
<td>General Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>Gen Ed Distributive</td>
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<td>3</td>
</tr>
<tr>
<td>SPK 208</td>
<td>Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>SPK 230</td>
<td>or Business and Professional Speech Communication</td>
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Credits 16

**Semester Four**

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<thead>
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<td>BIO 230</td>
<td>Genetics</td>
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<td>BIO 220</td>
<td>Cell Physiology</td>
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<td>Organic Chemistry II</td>
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Credits 12

**Year Three**

**Semester Five**

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<td>Molecular Biology Techniques</td>
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<td>PHY 130</td>
<td>General Physics I</td>
<td>4</td>
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<tr>
<td>Diversity (J) Course</td>
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<tr>
<td>Directed Elective</td>
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Credits 15

**Semester Six**

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<td>PHY 140</td>
<td>General Physics II</td>
<td>4</td>
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<tr>
<td>Interdisciplinary (I) Course</td>
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<td>3</td>
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<tr>
<td>Directed Elective</td>
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<tr>
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Credits 16

**Year Four**

**Semester Seven**

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<td>BIO/CHE Elective</td>
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**Semester Eight**

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<td>BIO 421</td>
<td>Cellular and Molecular Biology</td>
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<td>BIO/CHE Elective</td>
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<td>3</td>
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<td>BIO/CHE Elective</td>
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<tr>
<td>Directed Elective</td>
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<td>Select one of the following:</td>
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<tr>
<td>BIO 490</td>
<td>Biology Seminar</td>
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<tr>
<td>BIO 409</td>
<td>Internship in Biological Sciences</td>
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</tr>
<tr>
<td>BIO 491</td>
<td>Special Problems in Biology</td>
<td></td>
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</tbody>
</table>

Credits 16

All required 200 level Biology courses should be completed by the end of Semester #5.

Students should take MAT 121 in the first year.

CRL 232 is strongly recommended for any student considering Professional or Graduate training following completion of their degree.

### Suggested Sequence For Honors Students

(NOTE: dependent on AP placements and class availability)

<table>
<thead>
<tr>
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<tr>
<td>Semester One</td>
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<td>HON 100</td>
<td>Self-Awareness and Development</td>
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<tr>
<td>HON 352</td>
<td>Honors Seminar</td>
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<tr>
<td>BIO 110</td>
<td>General Biology</td>
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<td>CHE 103</td>
<td>General Chemistry I</td>
<td>4</td>
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<tr>
<td>CHE 104  &amp; CRL 104</td>
<td>and Experimental General Chemistry I (LAB)</td>
<td></td>
</tr>
<tr>
<td>MAT 145</td>
<td>Calculus for the Life Sciences</td>
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Credits 16

**Semester Two**

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<tbody>
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<td>HON 211</td>
<td>Decision Making and Public Discourse</td>
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<td>HON 212</td>
<td>Ethics and Moral Choice in Tech Age</td>
<td>3</td>
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<td>BIO 217</td>
<td>General Zoology</td>
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<td>CHE 104</td>
<td>General Chemistry II</td>
<td>4</td>
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<td>CHE 104  &amp; CRL 104</td>
<td>and Experimental General Chemistry II (LAB)</td>
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<tr>
<td>MAT 121</td>
<td>Introduction to Statistics I</td>
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Credits 16

**Year Two**

**Semester Three**

<table>
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<th>Course</th>
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<td>HON 311</td>
<td>Stewardship and Civic Engagement</td>
<td>3</td>
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<tr>
<td>HON 312</td>
<td>Educational Systems and Social Influence</td>
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<td>CHE 231</td>
<td>Organic Chemistry I</td>
<td>6</td>
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<tr>
<td>CHE 231  &amp; CRL 231</td>
<td>and Experimental Organic Chemistry I Lab</td>
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<td>BIO 220</td>
<td>Cell Physiology</td>
<td>3</td>
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<td>PHY 130</td>
<td>General Physics I</td>
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Credits 19

**Semester Four**

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<th>Course</th>
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<td>HON 310</td>
<td>Theories and Strategies of Community Change</td>
<td>3</td>
</tr>
<tr>
<td>HON 314</td>
<td>Science, Technology and Environmental Systems</td>
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Credits 19
<table>
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<th>Semester Seven</th>
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<td>HON 490 Senior Project</td>
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<tr>
<td>Elective – Bio or minor</td>
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<td>Elective – Bio or minor</td>
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<tr>
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<tr>
<td>Elective – Bio or minor</td>
<td>3</td>
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<td>Elective – Bio or minor</td>
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<tr>
<td>Credits</td>
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</table>

| Total Credits | 139-142 |

1 Can be taken either fall of senior or spring of either fall or spring

<table>
<thead>
<tr>
<th>B.S. IN BIOLOGY - ECOLOGY AND CONSERVATION CONCENTRATION</th>
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| College of the Sciences and Mathematics |

| Curriculum |

<table>
<thead>
<tr>
<th>General Education Requirements</th>
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<tbody>
<tr>
<td>English Composition requirements</td>
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<tr>
<td>Mathematics requirement</td>
<td>3</td>
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<td>Public Speaking requirement</td>
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<tr>
<td>Science requirements</td>
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<td>Science requirements are met by CHE 103 and PHY 130</td>
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<tr>
<td>Behavioral &amp; Social Science requirements</td>
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<tr>
<td>Humanities requirements</td>
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<tr>
<td>Arts requirement</td>
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<td>Diverse Communities requirement</td>
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<td>Interdisciplinary requirement</td>
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<td>Student Electives</td>
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<td>Writing Emphasis requirements</td>
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<tr>
<th>Major Core Requirements</th>
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<tbody>
<tr>
<td>BIO 110 General Biology</td>
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<td>BIO 220 Cell Physiology</td>
</tr>
<tr>
<td>BIO 230 Genetics</td>
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<tr>
<td>BIO 409 Internship in Biological Sciences</td>
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<tr>
<td>BIO 490 Biology Seminar</td>
</tr>
<tr>
<td>BIO 491 Special Problems in Biology</td>
</tr>
<tr>
<td>CHE 103 General Chemistry I</td>
</tr>
<tr>
<td>CRL 103 Experimental General Chemistry I (LAB)</td>
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<tr>
<td>CHE 104 General Chemistry II</td>
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<tr>
<td>CRL 104 Experimental General Chemistry II (LAB)</td>
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<td>CHE 231 Organic Chemistry I</td>
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<td>CRL 231 Experimental Organic Chemistry I Lab</td>
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<td>CHE 232 Organic Chemistry II</td>
</tr>
<tr>
<td>PHY 130 General Physics I</td>
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<tr>
<td>or PHY 170 Physics I</td>
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<tr>
<td>PHY 140 General Physics II</td>
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<tr>
<td>or PHY 180 Physics II</td>
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<tr>
<td>MAT 121 Introduction to Statistics I</td>
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<tr>
<td>Select one semester of calculus</td>
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<table>
<thead>
<tr>
<th>Other Major Requirements</th>
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<tbody>
<tr>
<td>BIO 215 General Botany</td>
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<tr>
<td>BIO 217 General Zoology</td>
</tr>
<tr>
<td>BIO 270 Ecology</td>
</tr>
<tr>
<td>BIO 310 Biostatistical Applications</td>
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</tbody>
</table>

| Biology Electives |

| Under advisement, select 15 semester hours from the following: | 15 |
| BIO 275 Field Botany | |
| BIO 277 Vertebrate Ecology | |
| BIO 313 Marine Biology | |
| BIO 315 Terrestrial Ecosystem Ecology | |
| BIO 377 Entomology | |
| BIO 387 Invertebrate Zoology | |
| BIO 412 Organic Evolution | |
| BIO 415 Tropical Ecology and Conservation | |
| BIO 466 Plant Physiology | |
| BIO 470 Population Biology | |
| BIO 471 Wetlands | |
| BIO 473 Conservation Biology | |
| BIO 474 Microbial Ecology | |
| BIO 475 Plant Communities | |
| BIO 476 Freshwater Ecology | |
| BIO 478 Plant Evolution | |
| BIO 485 Systematic Botany | |

| Ecologically Relevant Courses |

| Select 6-7 semester hours under advisement from the Department of Biology approved list | 6-7 |

| Total Minimum Credits Required | 120 |
Courses must be passed with a grade of C- (70%) or better.

1 The requirement for BIO 490/499/491 is waived for students in the Accelerated (B.S. + M.S.) program. It is replaced by an additional 3 credits of biology electives. Students not completing a thesis (BIO 608-610) will be required to complete BIO 490/499/491.

2 The recommended Physics sequence is PHY 130 & PHY 140. Students may substitute PHY 170 & PHY 180 sequence, but PHY 130 may not be used as a prerequisite for PHY 180 and PHY 170 may not be used as a prerequisite for PHY 140.

Accelerated B.S. in Biology - Ecology and Conservation Concentration to M.S. in Biology Program

To be considered for the accelerated program and enroll in BIO 608 (Thesis Research I), students must have attained (completed) 75 credits with a minimum of 18 biology credits. Students must have a minimum cumulative GPA of 3.00 including a minimum GPA of 3.00 for biology courses. BIO 608 requires departmental permission to enroll; students must arrange a committee meeting prior to enrolling in BIO 608 (e.g., during their third year). The accelerated program in biology is only open to thesis students. Any student wishing to switch out of the thesis option will be required to complete all requirements of the B.S. degree. Once matriculated into the graduate program, graduate policies apply, including minimum GPA (3.00). See the Graduate Catalog for further details.

Students in the M.S. Biology program are required to take 21 credits of electives from the following three categories, 12 credits of which will be used to satisfy the B.S. program. Students may not, under any circumstances, take any additional graduate courses beyond the 12 graduate credits until conferral of their undergraduate degree.

Biology Electives 1

<table>
<thead>
<tr>
<th>Course</th>
</tr>
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<tbody>
<tr>
<td>BIO 511 Experimental Design and Analysis</td>
</tr>
<tr>
<td>BIO 513 Research Techniques in Bio Sci I</td>
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<tr>
<td>BIO 514 Research Techniques in Bio Sci II</td>
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<tr>
<td>BIO 515 Research Techniques in Bio Sci III</td>
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Choose two Research Methods Courses 6

<table>
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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>BIO 535 Course Topics in Biology I</td>
</tr>
<tr>
<td>BIO 536 Course Topics in Biology II</td>
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<tr>
<td>BIO 537 Course Topics in Biology III</td>
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<td>BIO 590 Directed Study in Biology</td>
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Choose three other electives selected under advisement. 9

<table>
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<th>Course</th>
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<tbody>
<tr>
<td>BIO 608 Thesis Research I</td>
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<tr>
<td>BIO 609 Thesis Research II</td>
</tr>
<tr>
<td>BIO 610 Thesis</td>
</tr>
</tbody>
</table>

1 If a course is offered at both the 400 and 500 levels, the student must take the 500-level course. No more than 6 credits of 400-level courses may be counted toward the M.S. degree. With prior departmental approval, up to 6 credits of graduate course work from another department or university may be applied toward the M.S. degree. BIO 535, 536, and 537 may be repeated for credit provided the topic is different.

2 A letter grade must be obtained for BIO 608 before the student can enroll in BIO 609. Likewise, a letter grade must be obtained for BIO 609 before the student can enroll in BIO 610.

Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

<table>
<thead>
<tr>
<th>Course</th>
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<td>WRT 120</td>
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<td>BIO 110</td>
<td>General Biology</td>
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</tr>
<tr>
<td>&amp; CRL 103</td>
<td>and Experimental General Chemistry I (LAB)</td>
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Select one of the following: 3-4

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>MAT 121</td>
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<tr>
<td>MAT 143</td>
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<tr>
<td>MAT 145</td>
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<td>MAT 161</td>
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<td>Gen Ed Distributive</td>
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Biology Electives 1

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>BIO 511 Experimental Design and Analysis</td>
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<tr>
<td>BIO 513 Research Techniques in Bio Sci I</td>
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<td>BIO 514 Research Techniques in Bio Sci II</td>
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<td>BIO 515 Research Techniques in Bio Sci III</td>
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Choose two Research Methods Courses 6

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>BIO 535 Course Topics in Biology I</td>
</tr>
<tr>
<td>BIO 536 Course Topics in Biology II</td>
</tr>
<tr>
<td>BIO 537 Course Topics in Biology III</td>
</tr>
<tr>
<td>BIO 590 Directed Study in Biology</td>
</tr>
</tbody>
</table>

Choose three other electives selected under advisement. 9

<table>
<thead>
<tr>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 608 Thesis Research I</td>
</tr>
<tr>
<td>BIO 609 Thesis Research II</td>
</tr>
<tr>
<td>BIO 610 Thesis</td>
</tr>
</tbody>
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Required Courses 2

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>BIO 608 Thesis Research I</td>
</tr>
<tr>
<td>BIO 609 Thesis Research II</td>
</tr>
<tr>
<td>BIO 610 Thesis</td>
</tr>
</tbody>
</table>

1 The requirement for BIO 490/499/491 is waived for students in the Accelerated (B.S. + M.S.) program. It is replaced by an additional 3 credits of biology electives. Students not completing a thesis (BIO 608-610) will be required to complete BIO 490/499/491.

2 The recommended Physics sequence is PHY 130 & PHY 140. Students may substitute PHY 170 & PHY 180 sequence, but PHY 130 may not be used as a prerequisite for PHY 180 and PHY 170 may not be used as a prerequisite for PHY 140.

Accelerated B.S. in Biology - Ecology and Conservation Concentration to M.S. in Biology Program

To be considered for the accelerated program and enroll in BIO 608 (Thesis Research I), students must have attained (completed) 75 credits with a minimum of 18 biology credits. Students must have a minimum cumulative GPA of 3.00 including a minimum GPA of 3.00 for biology courses. BIO 608 requires departmental permission to enroll; students must arrange a committee meeting prior to enrolling in BIO 608 (e.g., during their third year). The accelerated program in biology is only open to thesis students. Any student wishing to switch out of the thesis option will be required to complete all requirements of the B.S. degree. Once matriculated into the graduate program, graduate policies apply, including minimum GPA (3.00). See the Graduate Catalog for further details.

Students in the M.S. Biology program are required to take 21 credits of electives from the following three categories, 12 credits of which will be used to satisfy the B.S. program. Students may not, under any circumstances, take any additional graduate courses beyond the 12 graduate credits until conferral of their undergraduate degree.

Biology Electives 1

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>BIO 511 Experimental Design and Analysis</td>
</tr>
<tr>
<td>BIO 513 Research Techniques in Bio Sci I</td>
</tr>
<tr>
<td>BIO 514 Research Techniques in Bio Sci II</td>
</tr>
<tr>
<td>BIO 515 Research Techniques in Bio Sci III</td>
</tr>
</tbody>
</table>

Choose two Research Methods Courses 6

<table>
<thead>
<tr>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 535 Course Topics in Biology I</td>
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<tr>
<td>BIO 536 Course Topics in Biology II</td>
</tr>
<tr>
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</tr>
</tbody>
</table>

Choose three other electives selected under advisement. 9

<table>
<thead>
<tr>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 608 Thesis Research I</td>
</tr>
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</tr>
</tbody>
</table>

If a course is offered at both the 400 and 500 levels, the student must take the 500-level course. No more than 6 credits of 400-level courses may be counted toward the M.S. degree. With prior departmental approval, up to 6 credits of graduate course work from another department or university may be applied toward the M.S. degree. BIO 535, 536, and 537 may be repeated for credit provided the topic is different.

A letter grade must be obtained for BIO 608 before the student can enroll in BIO 609. Likewise, a letter grade must be obtained for BIO 609 before the student can enroll in BIO 610.

Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>WRT 120</td>
<td>Effective Writing I</td>
<td>3</td>
</tr>
<tr>
<td>BIO 110</td>
<td>General Biology</td>
<td>3</td>
</tr>
<tr>
<td>CHE 103</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>&amp; CRL 103</td>
<td>and Experimental General Chemistry I (LAB)</td>
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</table>

Select one of the following: 3-4

<table>
<thead>
<tr>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 121</td>
</tr>
<tr>
<td>MAT 143</td>
</tr>
<tr>
<td>MAT 145</td>
</tr>
<tr>
<td>MAT 161</td>
</tr>
<tr>
<td>Gen Ed Distributive</td>
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Credits 16-17

Semester Two

<table>
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<tr>
<td>WRT 2XX</td>
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<tr>
<td>BIO 215</td>
</tr>
<tr>
<td>&amp; BIO 217</td>
</tr>
<tr>
<td>CHE 104</td>
</tr>
<tr>
<td>&amp; CRL 104</td>
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</tbody>
</table>

Select one of the following: 3-4

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>MAT 121</td>
</tr>
<tr>
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<tr>
<td>MAT 145</td>
</tr>
<tr>
<td>MAT 161</td>
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<tr>
<td>Gen Ed Distributive</td>
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Credits 16-17

Year Two

<table>
<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
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<tbody>
<tr>
<td>BIO 215</td>
<td>General Botany</td>
<td>3</td>
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<tr>
<td>or BIO 217</td>
<td>General Zoology</td>
<td></td>
</tr>
<tr>
<td>CHE 231</td>
<td>Organic Chemistry I</td>
<td>6</td>
</tr>
<tr>
<td>&amp; CRL 231</td>
<td>and Experimental Organic Chemistry I Lab</td>
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<td>Mathematics (if still needed)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Gen Ed Distributive</td>
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Credits 15

Semester Four

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>BIO 220</td>
<td>Cell Physiology</td>
<td>3</td>
</tr>
<tr>
<td>or BIO 230</td>
<td>Cell Physiology</td>
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<tr>
<td>BIO 270</td>
<td>Ecology</td>
<td>3</td>
</tr>
<tr>
<td>CHE 232</td>
<td>Organic Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>SPK 208</td>
<td>Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>or Business and Professional Speech</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPK 230</td>
<td>Communication</td>
<td></td>
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<td>Gen Ed Distributive</td>
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Credits 15

Year Three

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>BIO 220</td>
<td>Cell Physiology</td>
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<td>PHY 130</td>
<td>General Physics I</td>
<td>4</td>
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<tr>
<td>Diversity (J) Course</td>
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B.S. IN BIOLOGY - INTEGRATIVE BIOLOGY CONCENTRATION

**Curriculum**

**General Education Requirements** *(http://catalog.wcupa.edu/undergraduate/general-education-requirements)*

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>English Composition requirements</td>
<td>6</td>
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<tr>
<td>Mathematics requirement</td>
<td>3</td>
</tr>
<tr>
<td>Public Speaking requirement</td>
<td>3</td>
</tr>
<tr>
<td>Science requirements</td>
<td>6</td>
</tr>
</tbody>
</table>

Science requirements are met by CHE 103 and PHY 130

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Behavioral &amp; Social Science requirements</td>
<td>6</td>
</tr>
<tr>
<td>Humanities requirements</td>
<td>6</td>
</tr>
<tr>
<td>Arts requirement</td>
<td>3</td>
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<tr>
<td>Diverse Communities requirement</td>
<td>3</td>
</tr>
<tr>
<td>Interdisciplinary requirement</td>
<td>3</td>
</tr>
<tr>
<td>Student Electives</td>
<td>9</td>
</tr>
<tr>
<td>Writing Emphasis requirements</td>
<td>9</td>
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</tbody>
</table>

**Major Core Requirements**

<table>
<thead>
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<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>BIO 110</td>
<td>3</td>
</tr>
<tr>
<td>BIO 220</td>
<td>3</td>
</tr>
<tr>
<td>BIO 230</td>
<td>3</td>
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</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BIO 409</td>
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</tr>
<tr>
<td>BIO 490</td>
<td>3</td>
</tr>
<tr>
<td>BIO 491</td>
<td>3</td>
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**Other Major Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CHE 103</td>
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<tr>
<td>CRL 103</td>
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</tr>
<tr>
<td>CHE 104</td>
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<tr>
<td>CRL 104</td>
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<td>CHE 231</td>
<td></td>
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<td>CRL 231</td>
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<tr>
<td>CHE 323</td>
<td></td>
</tr>
<tr>
<td>PHY 130</td>
<td></td>
</tr>
<tr>
<td>or PHY 170</td>
<td></td>
</tr>
<tr>
<td>PHY 140</td>
<td></td>
</tr>
<tr>
<td>or PHY 180</td>
<td></td>
</tr>
<tr>
<td>MAT 121</td>
<td></td>
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</tbody>
</table>

Select one semester of calculus

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology Electives</td>
<td>4</td>
</tr>
</tbody>
</table>

Select 21 semester hours under advisement

**Total Minimum Credits Required**

<table>
<thead>
<tr>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>120</td>
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</table>

1. Biology core courses must be passed with a grade of C- (70%) or better.

2. The requirement for BIO 490/409/491 is waived for students in the Accelerated (B.S. + M.S.) program. It is replaced by an additional 3 credits of biology electives. Students not completing a thesis (BIO 608-610) will be required to complete BIO 490/409/491.

3. The recommended Physics sequence for PHY 130 & PHY 140. Students may substitute the PHY 170 & PHY 180 sequence, but PHY 130 may not be used as a prerequisite for PHY 180 and PHY 170 may not be used as a prerequisite for PHY 140.

4. Selected from BIO 214, 275, 277 or BIO courses at or above the 300 level, except BIO 307 and BIO 469.

**Accelerated B.S. in Biology to M.S. in Biology Program**

To be considered for the accelerated program and enroll in BIO 608 (Thesis Research I), students must have attained (completed) 75 credits with a minimum of 18 biology credits. Students must have a minimum cumulative GPA of 3.00 including a minimum GPA of 3.00 for biology courses. BIO 608 requires departmental permission to enroll; students must arrange a committee meeting prior to enrolling in BIO 608 (e.g., during their third year). The accelerated program in biology is only open to thesis students. Any student wishing to switch out of the thesis option will be required to complete all requirements of the B.S. degree. Once admitted to the graduate program, graduate policies apply, including minimum GPA (3.00). See the Graduate Catalog for further details.

Students in the M.S. Biology program are required to take 21 credits of electives from the following three categories, 12 credits of which will be used to satisfy the B.S. program.

**Biology Electives**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BIO 511</td>
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<tr>
<td>BIO 513</td>
<td></td>
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<tr>
<td>BIO 514</td>
<td></td>
</tr>
<tr>
<td>BIO 515</td>
<td></td>
</tr>
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</table>

Choose two Methods Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 511</td>
<td></td>
</tr>
<tr>
<td>BIO 513</td>
<td></td>
</tr>
<tr>
<td>BIO 514</td>
<td></td>
</tr>
<tr>
<td>BIO 515</td>
<td></td>
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Choose two Concentration Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BIO 535</td>
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<tr>
<td>BIO 536</td>
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</table>
## B.S. IN BIOLOGY - MARINE SCIENCE CONCENTRATION

### Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 537</td>
<td>Course Topics in Biology III</td>
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<tr>
<td>BIO 590</td>
<td>Directed Study in Biology</td>
<td></td>
</tr>
<tr>
<td>BIO 608</td>
<td>Thesis Research I</td>
<td>9</td>
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<tr>
<td>BIO 609</td>
<td>Thesis Research II</td>
<td>9</td>
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<tr>
<td>BIO 610</td>
<td>Thesis</td>
<td></td>
</tr>
</tbody>
</table>

1. If a course is offered at both the 400 and 500 levels, the student must take the 500-level course. No more than 6 credits of 400-level courses may be counted toward the M.S. degree. With prior departmental approval, up to 6 credits of graduate course work from another department or university may be applied toward the M.S. degree. BIO 535, 536, and 537 may be repeated for credit provided the topic is different.

2. A letter grade must be obtained for BIO 608 before the student can enroll in BIO 609. Likewise, a letter grade must be obtained for BIO 609 before the student can enroll in BIO 610.

## Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

### Course Title Credits

#### Year One

**Semester One**

<table>
<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRT 120</td>
<td>Effective Writing I</td>
<td>3</td>
</tr>
<tr>
<td>BIO 110</td>
<td>General Biology</td>
<td>3</td>
</tr>
<tr>
<td>CHE 103</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>&amp; CRL 103</td>
<td>General Chemistry I and Experimental</td>
<td></td>
</tr>
<tr>
<td></td>
<td>General Chemistry I and Experimental</td>
<td></td>
</tr>
<tr>
<td></td>
<td>General Chemistry I and Experimental</td>
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<td>General Chemistry I and Experimental</td>
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</table>

Gen Ed Distributive 3

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>MAT 121</td>
<td>Introduction to Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>MAT 143</td>
<td>Brief Calculus</td>
<td>3</td>
</tr>
<tr>
<td>MAT 145</td>
<td>Calculus for the Life Sciences</td>
<td>3</td>
</tr>
<tr>
<td>MAT 161</td>
<td>Calculus I</td>
<td>3</td>
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</table>

Credits 16-17

**Semester Two**

Writing 200 Level 3

<table>
<thead>
<tr>
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<th>Credits</th>
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<tbody>
<tr>
<td>BIO 215</td>
<td>General Botany or General Zoology</td>
<td>3</td>
</tr>
<tr>
<td>or BIO 217</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHE 104</td>
<td>General Chemistry II and Experimental</td>
<td>4</td>
</tr>
<tr>
<td>&amp; CRL 104</td>
<td>General Chemistry II and Experimental</td>
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<tr>
<td></td>
<td>General Chemistry II and Experimental</td>
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<tr>
<td></td>
<td>General Chemistry II and Experimental</td>
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Gen Ed Distributive 3

Select one of the following:

<table>
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<tr>
<th>Course</th>
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<th>Credits</th>
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<tbody>
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<tr>
<td>MAT 143</td>
<td>Brief Calculus</td>
<td>3</td>
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<td>MAT 145</td>
<td>Calculus for the Life Sciences</td>
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</tr>
<tr>
<td>MAT 161</td>
<td>Calculus I</td>
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Credits 16-17

### Year Two

**Semester Three**

<table>
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<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BIO 215</td>
<td>General Botany or General Zoology</td>
<td>3</td>
</tr>
<tr>
<td>or BIO 217</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHE 231</td>
<td>Organic Chemistry I and Experimental</td>
<td>6</td>
</tr>
<tr>
<td>&amp; CRL 231</td>
<td>Organic Chemistry I and Experimental</td>
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<tr>
<td></td>
<td>Organic Chemistry I and Experimental</td>
<td></td>
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<tr>
<td>Mathematics (if still needed)</td>
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Credits 15

**Semester Four**

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>BIO 220</td>
<td>Cell Physiology</td>
<td>3</td>
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<tr>
<td>BIO 230</td>
<td>Genetics</td>
<td>3</td>
</tr>
<tr>
<td>CHE 232</td>
<td>Organic Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>SPK 208</td>
<td>Public Speaking or Business and Professional Speech</td>
<td>3</td>
</tr>
<tr>
<td>or SPK 230</td>
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Gen Ed Distributive 3

Credits 15

**Year Three**

**Semester Five**

<table>
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<tbody>
<tr>
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<td>PHY 130</td>
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Credits 16

**Semester Six**

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Credits 16

**Year Four**

**Semester Seven**

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Credits 15

**Semester Eight**

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<tr>
<td>BIO 491</td>
<td>Special Problems in Biology</td>
<td>3</td>
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</table>

Credits 15

Total Credits 124-126

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### B.S. IN BIOLOGY - MARINE SCIENCE CONCENTRATION

College of the Sciences and Mathematics
Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

- English Composition requirement 6
- Mathematics requirement 3
- Public Speaking requirement 3
- Science requirements 6
  - Behavioral & Social Science requirements 6
  - Humanities requirements 6
- Arts requirement 3
- Diverse Communities requirement 3
- Interdisciplinary requirement 3
- Student Electives 9
- Writing Emphasis requirements 9

Major Core Requirements

- BIO 110 General Biology 1 3
- BIO 220 Cell Physiology 1 3
- BIO 230 Genetics 1 3
- Select one of the following: 1 1-16
  - BIO 409 Internship in Biological Sciences
  - BIO 490 Biology Seminar
  - BIO 491 Special Problems in Biology
- CHE 103 General Chemistry I 3
- CRL 103 Experimental General Chemistry I (LAB) 1
- CHE 104 General Chemistry II 3
- CRL 104 Experimental General Chemistry II (LAB) 1
- CHE 231 Organic Chemistry I 4
- CRL 231 Experimental Organic Chemistry I Lab 2
- CHE 232 Organic Chemistry II 3
- PHY 130 General Physics I 2 4
  - or PHY 170 Physics I 4
- PHY 140 General Physics II 2 4
  - or PHY 180 Physics II 4
- MAT 121 Introduction to Statistics I 3
- Select one semester of calculus 3-4

Other Major Requirements

- BIO 215 General Botany 1 3
- BIO 217 General Zoology 1 3
- BIO 270 Ecology 1 3
- BIO 312 Marine Botany 1 3
- BIO 313 Marine Biology 1 3
- BIO 310 Biostatistical Applications 3

Marine Science Electives

Selected under advisement from the list below, (6 credits must be chosen at the 300- or 400-level) from the Department of Biology approved list

WCU Courses:
- BIO 387 Invertebrate Zoology
- BIO 453 Marine Mammals
- GEO 324 Intro to Geographic Information Systems
- ESS 332 Advanced Oceanography

Cheyney University Courses: SLF 330, 332 3

Wallop Island/Marine field station courses: Courses are to be chosen from two or more topics including, but not limited to, marine or wetlands ecology, ichthyology, invertebrate zoology, marine mammals, ornithology, marine molecular biology, and biotechnology. (Courses completed at the Wallops Island Marine Science Consortium and other marine field stations will be approved on an individual basis and will require adviser and departmental approval.)

Total Minimum Credits Required 120

1. Courses must be passed with a grade of C- (70%) or better.
2. The recommended Physics sequence is PHY 130 & PHY 140. Students may substitute the PHY 170 & PHY 180 sequence, but PHY 130 may not be used as a prerequisite for PHY 180 and PHY 170 may not be used as a prerequisite for PHY 140.
3. Check the Cheyney University Catalog for more information about the courses.

Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

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<td><strong>Semester One</strong></td>
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<tr>
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<tr>
<td>BIO 215</td>
<td>General Botany or General Zoology</td>
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<tr>
<td>or BIO 217</td>
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</table>
B.S. IN BIOLOGY - MEDICAL LABORATORY SCIENCE CONCENTRATION

CHE 231 & CRL 231 Organic Chemistry I and Experimental Organic Chemistry I Lab 6
SPK 208 Public Speaking or Business and Professional Speech Communication 3
Gen Ed Distributive 3

Credits 15

Semester Four
BIO 220 Cell Physiology or Genetics 3
or BIO 230
BIO 270 Ecology 3
CHE 232 Organic Chemistry II 3
BIO 313 Marine Biology 3
Gen Ed Distributive 3

Credits 15

Year Three

Semester Five
BIO 220 Cell Physiology or Genetics 3
or BIO 230
PHY 130 General Physics I 4
Diversity (J) Course 3
ESS 330 Introduction to Oceanography 3
Directed Elective 3

Credits 16

Semester Six
BIO 310 Biostatistical Applications 3
Marine Botany 3
PHY 140 General Physics II 4
Interdisciplinary (I) Course 3
Directed Elective 3

Credits 16

Year Four

Semester Seven
MarSci Relevant Elective 3
MarSci Relevant Elective 3
Directed Elective 4
Gen Ed Distributive 3

Credits 13

Semester Eight
MarSci Relevant Elective 3
Directed Elective 3
Select one of the following: 3
BIO 490 Biology Seminar
BIO 409 Internship in Biological Sciences
BIO 491 Special Problems in Biology
Directed Elective 4

Credits 13

Total Credits 120-122

All required 200 level Biology courses should be completed by the end of Semester #5.

Students should take MAT 121 in the first year.

Marine Science relevant electives (noted in semesters 7&8) may need to be taken during the summer or winter terms, when taken off campus, i.e. at a Marine Science Field Station.

B.S. IN BIOLOGY - MEDICAL LABORATORY SCIENCE CONCENTRATION

College of the Sciences and Mathematics

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

English Composition requirements 6
Mathematics requirement 3
Public Speaking requirement 3
Science requirements 6
Science requirements are met by CHE 103 and PHY 130
Behavioral & Social Science requirements 6
Humanities requirements 6
Arts requirement 3
Diverse Communities requirement 3
Interdisciplinary requirement 3
Student Electives 9
Writing Emphasis requirements 9

Major Core Requirements

BIO 110 General Biology 3
or BIO 220 Cell Physiology 3
BIO 230 Genetics 3
BIO 490 Biology Seminar 3
CHE 103 General Chemistry I 3
CRL 103 Experimental General Chemistry I (LAB) 1
CHE 104 General Chemistry II 3
CRL 104 Experimental General Chemistry II (LAB) 1
CHE 231 Organic Chemistry I 4
CRL 231 Experimental Organic Chemistry I Lab 2
CHE 232 Organic Chemistry II 3
PHY 130 General Physics I 2
or PHY 170 Physics I 4
PHY 140 General Physics II 2
or PHY 180 Physics II 4
MAT 121 Introduction to Statistics I 3
Select one semester of calculus 3-4

Other Major Requirements

BIO 214 General Microbiology 3
or BIO 215 General Botany 4
BIO 217 General Zoology 3
BIO 407 Hospital Internship in Medical Laboratory Science, Fall 13
BIO 408 Hospital Internship in Medical Laboratory Science, Spring 13
BIO 465 Immunology 3

Total Minimum Credits Required 120

1 Courses must be passed with a grade of C- (70%) or better.
2 The recommended Physics sequence is PHY 130 & PHY 140. Students may substitute the PHY 170 & PHY 180 sequence, but PHY 130 may not be used as a prerequisite for PHY 180 and PHY 170 may not be used as a prerequisite for PHY 140.

Sample Course Plan

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<td><strong>Semester One</strong></td>
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An average of 16 semester hours per semester must be completed to enter the Medical Laboratory Science training in the fourth year. If a student follows the proposed outline of courses, a total of 94 semester hours will be earned at WCU. The additional 26 semester hours necessary for graduation will be earned at the affiliated hospital.

**B.S. IN BIOLOGY - MICROBIOLOGY CONCENTRATION**

**Curriculum**

**General Education Requirements**
- English Composition requirements: 6
- Mathematics requirement: 3
- Public Speaking requirement: 3
- Science requirements: 6
- Science requirements are met by CHE 103 and PHY 130
- Behavioral & Social Science requirements: 6
- Humanities requirements: 6
- Arts requirement: 3
- Diverse Communities requirement: 3
- Interdisciplinary requirement: 3
- Student Electives: 9
- Writing Emphasis requirements: 9

**Major Requirements**
- BIO 110: General Biology: 3
- BIO 220: Cell Physiology: 3
- BIO 230: Genetics: 3
- Select one of the following: 1-16
  - BIO 409: Internship in Biological Sciences
  - BIO 490: Biology Seminar
  - BIO 491: Special Problems in Biology
  - CHE 103: General Chemistry I
  - CRL 103: Experimental General Chemistry I (LAB)
  - CHE 104: General Chemistry II
  - CRL 104: Experimental General Chemistry II (LAB)
  - CHE 231: Organic Chemistry I

**Interdisciplinary (I) Course**: 3

**Credits**: 17

**Semester Six**
- PHY 140: General Physics II
- BIO 490: Biology Seminar
- Free Elective: 3
- Free Elective: 3
- Free Elective: 3

**Credits**: 16

**Total Credits**: 119-121
Sample Course Plan
To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

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<td>&amp; CRL 103</td>
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<td>&amp; CRL 231</td>
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| Year Three |
| Semester Four |
| BIO 220 | Cell Physiology | 3 |
| BIO 230 | Genetics | 3 |
| CHE 232 | Organic Chemistry II | 3 |
| SPK 208 | Public Speaking | 3 |
| or SPK 230 | or Business and Professional Speech Communication | |
| Gen Ed Distributive | 3 |

| Year Four |
| Semester Seven |
| BIO course | 3 |
| PHY 140 | General Physics II | 4 |
| Interdisciplinary (I) Course | 3 |
| Directed Elective | 3 |

| Year Five |
| Semester Eight |
| BIO 465 | Immunology | 4 |
| Bio Elective | 3 |
| Bio Elective | 3 |

Total Minimum Credits Required: 120

1 Courses must be passed with a grade of C- (70%) or better.
2 The recommended Physics sequence is PHY 130 & PHY 140. Students may substitute the PHY 170 & PHY 180 sequence, but PHY 130 may not be used as a prerequisite for PHY 180 and PHY 170 may not be used as a prerequisite for PHY 140.
Bio Elective 3
Directed Elective 3
Select one of the following:

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<td>BIO 491</td>
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</table>

Credits 16

All required 200 level Biology courses should be completed by the end of Semester #5.

Students should take MAT 121 in the first year.

**B.S.ED. IN BIOLOGY**

*College of the Sciences and Mathematics*

**Curriculum**

**General Education Requirements**

- English Composition requirement 6
- Mathematics requirement 3
- Public Speaking requirement 3
- Science requirements 6

Science requirements are met by CHE 103 and PHY 130

- Behavioral & Social Science requirements 6
- Humanities requirements 6
- Arts requirement 3
- Diverse Communities requirement 3
- Interdisciplinary requirement 3
- Student Electives 9
- Writing Emphasis requirements 9

**Major Requirements**

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<tr>
<th>Course</th>
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</table>

Select one semester of calculus 3-4

**Other Major Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 214</td>
<td>General Microbiology 1</td>
<td>4</td>
</tr>
<tr>
<td>BIO 215</td>
<td>General Botany 1</td>
<td>3</td>
</tr>
<tr>
<td>BIO 217</td>
<td>General Zoology 1</td>
<td>3</td>
</tr>
<tr>
<td>BIO 270</td>
<td>Ecology 1</td>
<td>3</td>
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</table>

**Education Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 300</td>
<td>Democracy and Education</td>
<td>3</td>
</tr>
<tr>
<td>EDP 250</td>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>EDA 103</td>
<td>Foundations of Special Education</td>
<td>3</td>
</tr>
<tr>
<td>EDA 304</td>
<td>Special Ed Processes/Procedures for Secondary Educators</td>
<td></td>
</tr>
<tr>
<td>EDR 347</td>
<td>Literacy Development and Secondary Students with Disabilities in Inclusive Classrooms</td>
<td>3</td>
</tr>
<tr>
<td>EDS 306</td>
<td>Teaching Principles and Field Experience in Secondary Schools</td>
<td>3</td>
</tr>
<tr>
<td>EDS 411</td>
<td>Student Teaching Sec - 1st Half</td>
<td>6</td>
</tr>
<tr>
<td>EDS 412</td>
<td>Student Teaching Sec - 2nd Half</td>
<td>6</td>
</tr>
<tr>
<td>ENG 382</td>
<td>Teaching English Language Learners PK-12</td>
<td>3</td>
</tr>
<tr>
<td>SCB 350</td>
<td>Science Education in Secondary School</td>
<td>3</td>
</tr>
</tbody>
</table>

**Biology Electives**

- Selected from courses at or above the 300 level, except BIO 307 and BIO 469. 6
- Total Minimum Credits Required 124

Courses must be passed with a grade of C- (70%) or better.

Students applying for formal admission to teacher education must have a 2.80 GPA. Students formally admitted must graduate with a 3.0 GPA.

**Sample Course Plan**

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRT 120</td>
<td>Effective Writing I</td>
<td>3</td>
</tr>
<tr>
<td>BIO 110</td>
<td>General Biology</td>
<td>3</td>
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<tr>
<td>CHE 103</td>
<td>General Chemistry I</td>
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<tr>
<td>&amp; CRL 103</td>
<td>Experimental General Chemistry I (LAB)</td>
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<tr>
<td>MAT 121</td>
<td>Introduction to Statistics I</td>
<td>3</td>
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<tr>
<td>Gen Ed 1</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>WRT XXX</td>
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<tr>
<td>BIO 215</td>
<td>General Botany</td>
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<tr>
<td>or BIO 217</td>
<td>General Zoology</td>
<td></td>
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<tr>
<td>CHE 104</td>
<td>General Chemistry II</td>
<td>4</td>
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<tr>
<td>&amp; CRL 104</td>
<td>Experimental General Chemistry II (LAB)</td>
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<tr>
<td>SPK 208</td>
<td>Public Speaking</td>
<td>3</td>
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<tr>
<td>or SPK 230</td>
<td>Business and Professional Speech Communication</td>
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<tr>
<td>LIT/CLS (Gen Ed 2)</td>
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Credits 16

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHE 231</td>
<td>Organic Chemistry I</td>
<td>6</td>
</tr>
<tr>
<td>&amp; CRL 231</td>
<td>Experimental Organic Chemistry I Lab</td>
<td></td>
</tr>
<tr>
<td>BIO 215</td>
<td>General Botany</td>
<td>3</td>
</tr>
<tr>
<td>or BIO 217</td>
<td>General Zoology</td>
<td></td>
</tr>
<tr>
<td>EDP 250</td>
<td>Educational Psychology (requires 20 FE hours)</td>
<td>3</td>
</tr>
<tr>
<td>EDF 300</td>
<td>Democracy and Education</td>
<td>3</td>
</tr>
<tr>
<td>Gen Ed 3</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

Credits 18

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2018-2019 UNDERGRADUATE CATALOG
MINOR IN BIOLOGY

College of the Sciences and Mathematics

Semester Four
BIO 214  General Microbiology  4
Select one of the following:  3-4
  • MAT 143  Brief Calculus
  • MAT 145  Calculus for the Life Sciences
  • MAT 161  Calculus I
Apply for FATE by semester end
General Education electives  8
Credits  15-16

Year Three

Semester Five
PHY 130  General Physics I  4
BIO 220  Cell Physiology  3
BIO 230  Genetics  3
or
BIO 270
EDA 304  Special Ed Processes/Procedures for Secondary Educators (requires 20 FE hours)  3
EDR 347  Literacy Development and Secondary Students with Disabilities in Inclusive Classrooms  3
Credits  16

Semester Six
Directed Electives  2  3
Bio Elective  1  3
EDA 306  Teaching Principles and Field Experience in Secondary Schools (requires 24 FE hours)  3
LAN 382 or ENG 382  Teaching English Language Learners PK-12 or Teaching English Language Learners PK-12  3
Gen Ed 4
Credits  15

Year Four

Semester Seven
Directed Elective  3  3
Bio Elective  2  3
Gen Ed 5
SCB 350  Science Education in Secondary School (requires 24 FE hours)  3
BIO 311  Contemporary Issues in Biology Teaching
Select one of the following:  3
  • ESS XXX
  • SCB 210  The Origin of Life and the Universe  3
Credits  21

Semester Eight
EDS 411  Student Teaching Sec - 1st Half & EDS 412  Student Teaching Sec - 2nd Half  12
Credits  12
Total Credits  129-130

1 Only offered in Fall. Includes faculty-student mentoring experience.

Required Prerequisite
These courses are prerequisites. The course selected to fulfill this requirement must be completed before admission to the minor.
Select one:
  • BIO 100  Basic Biological Science
  • BIO 110  General Biology

Required Courses
18 credits at the 200-level or higher. At least three credits must be in addition to the biology courses required by the student's major.

Total Minimum Credits Required  21
1  BIO 100 must be passed with a grade of A or A-.
2  BIO 110 must be passed with a C- or better.
3  A grade of C- or better is required in all courses, however to graduate with a minor in Biology students must maintain a GPA of 2.00 in the minor courses.

DEPARTMENT OF CHEMISTRY
College of the Sciences and Mathematics

(See also: Pre-Medical Program (p. 448) and Pharmaceutical Product Development Program (p. 423))

119 Schnucker Science South
610-436-2631
Department of Chemistry (http://www.wcupa.edu/chemistry)
Melissa Cichowicz (mcichowicz@wcupa.edu), Chairperson
Tim Starn (tstarn@wcupa.edu), Assistant Chairperson

The Department of Chemistry has been approved by the American Chemical Society's Committee on Professional Training since 1972. Graduates of the B.S. in Chemistry program and the B.S. in Biochemistry program who meet the necessary standards receive ACS certification. Graduates of the B.S. in Forensic and Toxicological Chemistry receive FEPAC certification.

The Department of Chemistry offers five undergraduate degree programs:

- The **B.S. in Chemistry program** (approved by the American Chemical Society [ACS]) provides a rigorous scientific foundation in all major areas of chemistry. This degree prepares the graduate for a career in a wide variety of chemically related areas including the chemical, petroleum, environmental, and pharmaceutical sectors. In addition, it serves as a basis for graduate and professional study leading to higher level industrial positions, teaching at the college level, or involvement in technical aspects of related fields such as law.

- The **B.S. in Biochemistry program** (approved by the American Chemical Society [ACS]) provides a comprehensive background in the major areas of chemistry with an emphasis in biochemistry. Students awarded this degree will be qualified for employment opportunities in chemistry and biochemistry. The program also prepares students for graduate study in chemistry and in biochemistry. This program has been placed in moratorium and is no longer accepting new students.

- The **B.S. in Chemistry-Biology program** provides the core courses required for admission to schools of medicine, dentistry, and veterinary medicine as well as schools of optometry, podiatry, chiropractic, and physical therapy. It also enables the student to pursue a career in chemical, molecular biology, and medicinal chemistry.

- The **B.S. in Forensic and Toxicological Chemistry program** (accredited by Forensic Science Education Programs Accreditation Commission [FEPAC]) prepares students for careers in criminalistics and toxicology. The program also serves as a basis for graduate study and specialization in these fields. A one-semester internship in a toxicology or forensic-chemistry laboratory is required for this program. Only those students who successfully
complete the internship interview and pass the safety exam will obtain this internship. (A background check and additional site-specific requirements may also be necessary.)

• The **B.S. in Education in Chemistry program** prepares students for a career in teaching chemistry in secondary schools. The program gives students experience in the major branches of chemistry so that, with proper selection of electives, graduate work in either pure chemistry, chemistry education, or education can be pursued. Sufficient flexibility is provided so that students also may become certified in general science. This program requires 127 credits for completion. See the Educator Preparation Programs (p. 266) section of this catalog for an explanation of related requirements.

Majors in the five B.S. programs should consult the Department of Chemistry handbook and their advisor for current requirements, particularly regarding internships. A grade of C- or better is necessary in all required science and mathematics courses.

### Undergraduate Research and Internship Programs

Although internships are not a mandatory part of all chemistry programs, they are available to majors on a selective basis. Students receive varying amounts of credit based on the number of hours spent in a work situation and on the nature of the academic work during the internship or research. Credit varies from one to 12 credits. The number of research or internship credits taken may be limited by the department.

### Programs

#### Majors in Chemistry

• B.S. in Chemistry (p. 206)
• B.S. in Biochemistry (p. 206) *(no longer accepting new students)*
• B.S. in Forensic and Toxicological Chemistry (p. 209)
• B.S.Ed. in Chemistry (p. 210)
• B.S. in Chemistry-Biology (p. 208)

#### Minors in Chemistry

• Chemistry (p. 211)

### Graduate Opportunities

See the graduate catalog for more information on the Chemistry programs. (http://catalog.wcupa.edu/graduate/sciences-mathematics/chemistry)

### Policies

• See undergraduate admissions information. (p. 11)
• See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

### Faculty

#### Professors

Mahrukh Azam (mzam@wcupa.edu) (2004)
B.S., Punjab University; M.S., Quaid-e-Azam University; M.S., Ph.D., Seton Hall University
Roger Barth (rbarth@wcupa.edu) (1985)
B.A., La Salle University; M.A., Ph.D., Johns Hopkins University
Felix E. Goodson (fgoodson@wcupa.edu) (1998)
A.B., Princeton University; Ph.D., University of California, Berkeley
Kurt W. Kolasinski (kolasinski@wcupa.edu) (2006)
B.S., University of Pittsburgh; Ph.D., Stanford University
Michael J. Moran (mmoran@wcupa.edu) (1981)
B.S., St. Joseph's College; Ph.D., University of Pennsylvania
Timothy K. Starn (tstarn@wcupa.edu) (1996)
Assistant Chairperson, Chemistry
B.S., Ph.D., Indiana University
John R. Townsend (jtownsend@wcupa.edu) (1998)
B.A., University of Delaware; M.S., Ph.D., Cornell University

#### Associate Professors

Melissa B. Cichowicz (mcichowicz@wcupa.edu) (1986)
Chairperson, Chemistry
B.S., St. Joseph's College; Ph.D., University of Maryland
Blaise F. Frost (bfrost@wcupa.edu) (1989)
B.A., Yankton College; M.S., Ph.D., University of South Dakota
Monica Joshi (mjoshi@wcupa.edu) (2010)
B.Sc., St. Francis Degree College for Women (India); M.Sc., Osmania University (India); Ph.D., Florida International University
James R. Pruitt (jpruitt@wcupa.edu) (2011)
B.S., Ph.D., University of California
Thomas R. Simpson (tsimpson2@wcupa.edu) (2016)
Director, Pharmaceutical Product Development
B.S., Allegheny College; M.S., Ph.D., University of Rochester

#### Assistant Professors

David Dehm (ddehm@wcupa.edu) (2015)
B.S., M.S., SUNY Oswego; Ph.D., University of Cincinnati
Jingqiu Hu (jhui@wcupa.edu) (2014)
B.S., M.S., Nanjing University; Ph.D., Boston University
Constantinos Pistos (cpistos@wcupa.edu) (2015)
B.Sc. Aristotle University of Thessaloniki, Thessaloniki, Greece; M.Sc., Ph.D. National and Kapodistrian University of Athens, Athens, Greece
Mark Shuman (mshuman@wcupa.edu) (2015)
B.S., Georgetown University; Ph.D., University of Pennsylvania

### Courses

**CHE**

**CHE 100. Concepts of Chemistry. 3 Credits.**

**LEC (2), LAB (1)**

A broad survey course with a laboratory experience that seeks to develop an understanding of the field of chemistry through inquiry. Basic competence in scientific methods and procedures will be obtained by observing chemical reactions and studying the chemical and physical properties of a variety of compounds.

Gen Ed Attribute: Science Distributive Requirement.

Typically offered in Fall.

**CHE 101. Fundamentals of Chemistry. 3 Credits.**

A mathematically oriented course for students who intend later to take CHE 103 but whose science and mathematics backgrounds are judged by a pretest to need remediation.

Typically offered in Fall.

**CHE 103. General Chemistry I. 3 Credits.**

Basic laws and theories of chemistry, including atomic structure, chemical bonding, oxidation-reduction, solutions, and ionic equilibria. Correlations of chemical principles and their application to modern descriptive chemistry. CHE 103 must preceed CHE 104.

Gen Ed Attribute: Science Distributive Requirement.

Typically offered in Fall & Spring.
CHE 104. General Chemistry II. 3 Credits.
Basic laws and theories of chemistry, including atomic structure, chemical bonding, oxidation-reduction, solutions, and ionic equilibrium. Correlations of chemical principles and their application to modern descriptive chemistry. Pre / Co requisites: CHE 104 requires prerequisite of CHE 103. Typically offered in Fall & Spring.

CHE 107. General Chemistry for Allied Health Sciences. 4 Credits.
A one-semester treatment of the fundamentals of chemistry, including atomic structure and bonding, types of reactions, kinetics, equilibrium, and thermodynamics. May not be taken as a chemistry major elective. CRL 107 may be taken concurrently or after CHE 107. Gen Ed Attribute: Science Distributive Requirement. Typically offered in Fall & Spring.

CHE 160. The Chemistry of Beer. 3 Credits.
An introduction to the chemistry of beer, including its properties, ingredients, production, and origins. The chemistry and biochemistry of alcohol will also be covered. GEN Ed Attribute: Science Distributive Requirement. Typically offered in Fall & Spring.

CHE 199. Transfer Credits. 1-10 Credits.
Transfer Credits. Repeatable for Credit.

CHE 230. Introduction to Organic and Biological Chemistry. 3 Credits.
A terminal course in fundamentals of organic chemistry. Structural theory of organic molecules, organic synthesis, and biological applications. May not be taken as a chemistry major or minor elective. Pre / Co requisites: CHE 230 requires prerequisite of CHE 104 or CHE 107 with a C- or better. Typically offered in Fall & Spring.

CHE 231. Organic Chemistry I. 4 Credits.
A unified conceptual introduction to organic molecular structure. Topics discussed will include structure of the atom, orbital and molecular bonding theory, nomenclature of classes of molecules, elementary molecular orbital theory, stereoelectronic chemistry, nucleophilic substitution, elimination, resonance, and acid-base concepts. These concepts will be applied to the chemistry of hydrocarbons, alkyl halides, alcohols, and simple systems. Pre / Co requisites: CHE 231 requires prerequisite of CHE 104. Typically offered in Fall & Spring.

CHE 232. Organic Chemistry II. 3 Credits.
A survey of the classes of organic reaction from a mechanistic deductive approach. Topic will include nucelophilic and electrophilic substitution, reaction of carbonyl compounds, elimination, aromatic substitution, molecular rearrangements, oxidation reduction reactions, carbanion and amine chemistry. These reactions are applied to the remaining classes of organic compounds not covered in Organic Chemistry I. Pre / Co requisites: CHE 232 requires prerequisite of CHE 231. Typically offered in Fall & Spring.

CHE 271. Forensic Chemistry I. 3 Credits.
This course is a precursor to CHE 371 and its purpose is to introduce students to forensic science and its various disciplines. Students will also discuss professional practices and ethical expectations of a forensic scientist. The course content is designed for chemistry and physical chemistry majors with special emphasis on developing foundational scientific writing skills needed for upper level courses. Pre / Co requisites: CHE 271 requires prerequisites of CHE 104 and BIO 110. Consent: Permission of the Department required to add. Gen Ed Attribute: Writing Emphasis. Typically offered in Spring.

CHE 310. Introductory Biochemistry. 3 Credits.
The chemical nature of biological phenomena is presented. Particular emphasis is placed on the metabolic pathways and the enzymes responsible for these processes with applications to nutrition. May not be taken as a chemistry major or minor elective. Pre / Co requisites: CHE 310 requires prerequisite of CHE 230 or CHE 231. Typically offered in Fall & Spring.

CHE 321. Analytical Chemistry I. 3 Credits.

CHE 333. Advanced Organic Chemistry. 3 Credits.
An advanced mechanistic study of organic compounds, functional groups, and their reactions. Spectroscopic characterization of organic molecules will also be covered. Pre / Co requisites: CHE 333 requires prerequisite of CHE 232. Typically offered in Fall.

CHE 341. Physical Chemistry I. 4 Credits.
An introduction to physical chemistry including ideal gases, kinetic theory, three laws of thermodynamics, introduction to phase equilibrium, chemical equilibrium, application of the fundamental equation of thermodynamics, transport phenomena, chemical kinetics, introductory spectroscopy, x-ray diffraction, and the structure of solids. Pre / Co requisites: CHE 341 requires prerequisites of CHE 103 or CHE 105 and CHE 104 or CHE 106 and MAT 161 and MAT 162. Typically offered in Fall & Spring.

CHE 342. Physical Chemistry II. 3 Credits.
Advanced thermodynamics including nonideal gases, nonideal systems, and thermodynamics at surfaces; introduction to statistical mechanics; quantum chemistry; advanced chemical kinetics, including kinetics near equilibrium, catalytic kinetics, and activated complex theory; and dynamic electrochemistry. Pre / Co requisites: CHE 342 requires prerequisites of CHE 104 or CHE 341 and MAT 161 and MAT 162 and PHY 170 and PHY 180. Typically offered in Spring.

CHE 345. Physical Chemistry for the Life Sciences. 3 Credits.
A survey of the fundamental topics in physical chemistry with applications to biology and medicine. Primarily for biology, chemistry-biology, and preprofessional majors. Pre / Co requisites: CHE 345 requires prerequisites of CHE 232; MAT 161 or MAT 145; and PHY 140 or PHY 180. Typically offered in Fall.

CHE 371. Forensic Chemistry II. 3 Credits.
The course provides upper level undergraduate chemistry students basic and advanced concepts of forensic science. The course content is designed to provide a foundational understanding of the chemistry of materials routinely encountered as evidence in a forensic lab and the techniques used to analyze them. Those students taking the lab course associated with this lecture course will practice the principles learnt in this course. Pre / Co requisites: CHE 371 requires prerequisites of CHE 232 and CHE 321. Typically offered in Fall.

CHE 403. Chemistry of the Environment. 3 Credits.
The chemistry of the atmosphere, hydrosphere, and biosphere; man's impact on these areas. May also be offered with lab. Pre / Co requisites: CHE 403 requires prerequisite of CHE 104. Typically offered in Spring.

CHE 410. Advanced Independent Study or Research. 2-6 Credits.
Taken under the direct supervision of a faculty member. May be taken for two semesters for a total of six credits. Typically offered in Fall & Spring. Repeatable for Credit.

CHE 411. Advanced Inorganic Chemistry. 3 Credits.
Structure and properties of the elements and inorganic compounds from a theoretical point of view. Atomic structure and the periodic law; molecular structure and bonding, including symmetry and MO theory; structure, bonding, and reactivity of transition-element compounds and main group compounds; acid-base chemistry. Pre / Co requisites: CHE 411 requires prerequisite of CHE 341. Typically offered in Spring.

CHE 418. Chemical Information. 1 Credit.
Instruction in the use of a modern chemical library, reference and data acquisition, synthetic procedures, and computer data bases. Pre / Co requisites: CHE 418 requires prerequisite of CHE 231. Typically offered in Fall.

CHE 424. Advanced Analytical Chemistry. 3 Credits.
Basic principles of applied instrumental analysis. Special emphasis on the use of spectrophotometric and electroanalytical instrumentation. Pre / Co requisites: CHE 424 requires prerequisites of CHE 321 and CHE 341 and co-requisite of CHE 342. Typically offered in Spring.
CHE 433. Advanced Topics in Chemistry. 3 Credits.
A topic of current interest in chemistry. Topic to be announced before registration.
Pre / Co requisites: CHE 433 requires a prerequisite of CHE 341.
Typically offered in Fall & Spring.
Repeatable for Credit.

CHE 436. Polymer Chemistry. 3 Credits.
Polymerization kinetics, rheology of polymer melts, crystallization parameters, and monomer reactivity in copolymerization.
Pre / Co requisites: CHE 436 requires prerequisite of CHE 232.
Typically offered in Spring.

CHE 450. Internship in Chemistry. 1-12 Credits.
A full- or part-time work-study appointment in a hospital, or a commercial, governmental, or industrial laboratory supervised jointly by an on-site supervisor and Department of Chemistry faculty member.
Consent: Permission of the Department required to add.
Typically offered in Fall & Spring.
Repeatable for Credit.

CHE 451. Internship in Forensic Chemistry. 1-12 Credits.
A full- or part-time work-study appointment in a clinical, commercial, governmental, or industrial laboratory supervised jointly by an on-site supervisor and a Department of Chemistry faculty member. The analytical methodology in the laboratory will include techniques applicable to forensic toxicology and/or criminalistics.
Consent: Permission of the Department required to add.
Typically offered in Fall & Spring.

CHE 452. Internship in Chemistry-Biology. 6-12 Credits.
This course gives the student exposure to and hands-on experience in the field of biomedical research. Intended to be a full-time appointment in a hospital, medical school, or research institute, it may be modified to be part-time to better meet a student's needs. Supervised jointly by an on-site supervisor and a Department of Chemistry faculty member. The analytical methodology in the laboratory will include techniques applicable to biomedical research.
Pre / Co requisites: CHE 452 requires prerequisites of CHE 232 and CHE 471 and BIO 357.
Consent: Permission of the Department required to add.
Typically offered in Fall & Spring.

CHE 460. Advanced Organic Spectroscopy. 3 Credits.
An advanced course in organic spectroscopy dealing with IR, NMR, and MS techniques. Other techniques also may be covered.
Pre / Co requisites: CHE 460 requires prerequisites of CHE 232 and CHE 341 or CHE 345.
Typically offered in Spring.

CHE 465. Forensic Microscopy. 3 Credits.
A lecture and practical study of the various microscopic techniques used to analyze various materials relevant to forensic investigations. Topics covered in the course include the properties of light and applications of stereomicroscopy, light microscopy, polarized light microscopy, microchemical tests, scanning electron microscopy and instrumental microscopy.
Pre / Co requisites: CHE 465 requires prerequisite CHE 371 and CRL 371.
Typically offered in Spring.

CHE 476. Biochemistry I. 3 Credits.
This course examines the physical and chemical characteristics of proteins, carbohydrates, lipids, and nucleic acids. The bioenergetics of carbohydrate and fat metabolism and the enzymatic control of these processes is a focal point. The bioenergetics of carbohydrate and fat metabolism and the enzymatic control of these processes is a focal point. Nucleic acids in protein synthesis is also covered.
Pre / Co requisites: CHE 476 requires prerequisite of CHE 232.
Typically offered in Fall & Spring.

CHE 477. Biochemistry II. 3 Credits.
This course is an extension of CHE 476 and considers the biosynthesis and degradation of proteins, carbohydrates, lipids, and nucleic acids. The primary focus is on the interrelationship of these molecules and the pathways involving their metabolism.
Pre / Co requisites: CHE 477 requires prerequisites of CHE 345 and CHE 476.
Typically offered in Spring.

CHE 479. Chemical Toxicology. 3 Credits.
A one-semester course in the environmental and physiological aspects of chemical toxicity. Special emphasis will be placed on documentation, sampling, and verification of materials.
Pre / Co requisites: CHE 479 requires a prerequisite of CHE 232.
Typically offered in Spring.

CHE 491. Seminar in Chemistry. 1 Credit.
Oral and poster presentation of papers based on laboratory or library research.
Consent: Permission of the Department required to add.
Typically offered in Fall & Spring.

CRL
CRL 103. Experimental General Chemistry I (LAB). 1 Credit.
Basic laboratory studies in college chemistry utilizing the quantitative approach. Semimicro qualitative analysis and inorganic preparations.
Pre / Co requisites: CRL 103 requires prerequisite or co-requisite CHE 103.
Typically offered in Fall & Spring.

CRL 104. Experimental General Chemistry II (LAB). 1 Credit.
Basic laboratory studies in college chemistry utilizing the quantitative approach. Semimicro qualitative analysis and inorganic preparations.
Pre / Co requisites: CRL 104 requires a prerequisite of CRL 103 and a prerequisite/corequisite of CHE 104.
Typically offered in Fall & Spring.

CRL 107. General Chemistry Lab for Allied Health Sciences. 1 Credit.
A one-semester laboratory course to complement CHE 107. Basic laboratory techniques, both qualitative and quantitative, will be used to illustrate principles from the lecture. CHE 107 must be taken concurrently or before CRL 107.
Pre / Co requisites: CRL 107 requires co-requisite of CHE 107.
Typically offered in Fall & Spring.

CRL 230. Introduction to Organic and Biological Chemistry Laboratory. 1 Credit.
A laboratory course to allow students in the environmental health program to gain hands-on experience with the topics and techniques of organic and biochemistry as they apply to the environmental health major.
Pre / Co requisites: CRL 230 requires a prerequisite or co-requisite of CHE 230.
Typically offered in Spring.

CRL 231. Experimental Organic Chemistry I Lab. 2 Credits.
Basic laboratory skills in organic chemistry including classical as well as instrumental techniques. Organic synthesis and modern spectrophotometric methods of identification.
Pre / Co requisites: CRL 231 requires prerequisite of CRL 104 or CRL 106.
Typically offered in Fall & Spring.

CRL 232. Experimental Organic Chemistry II Lab. 2 Credits.
Basic laboratory skills in organic chemistry including classical as well as instrumental techniques. Organic synthesis and modern spectrophotometric methods of identification.
Pre / Co requisites: CRL 232 requires co-requisite of CHE 232.
Typically offered in Fall & Spring.

CRL 321. Analytical Chemistry I Lab. 2 Credits.
Practical experience in modern techniques of chemical analysis with emphasis on volumetric and gravimetric methods.
Pre / Co requisites: CRL 321 requires co-requisite of CHE 321.
Typically offered in Fall & Spring.

CRL 341. Experimental Physical Chemistry Lab. 2 Credits.
Laboratory course in physical chemistry including computer applications, thermodynamics, chemical kinetics, structure, and spectroscopy.
Pre / Co requisites: CRL 341 requires prerequisites of CHE 103 and CHE 104 and MAT 161 and MAT 162 and PHY 170 and co-requisites of CHE 341 and PHY 180.
Typically offered in Fall.

CRL 342. Experimental Physical Chemistry II Lab. 2 Credits.
Experiments and projects in advanced physical chemistry.
Pre / Co requisites: CRL 342 requires prerequisite of CRL 341 and co-requisite of CRL 342.
Typically offered in Fall.

CRL 371. Forensic Chemistry Lab. 2 Credits.
Principles of microscopy, screening methods, and instrumental methods of chemical analysis applied to criminalistics and toxicological samples.
Pre / Co requisites: CRL 371 requires co-requisite of CHE 371.
Typically offered in Fall.
B.S. IN BIOCHEMISTRY

CRL 411. Inorganic Syntheses. 2 Credits. 
A four-hour laboratory course in the synthesis and characterization of inorganic compounds of the main group and the transition elements.
Pre / Co requisites: CRL 411 requires prerequisite of CHE 409 or CHE 411 and co-requisite of CHE 341. Typically offered in Spring.

CRL 424. Analytical Chemistry II Lab. 2 Credits. 
Practical experience in the choice and application of instrumental methods of analysis to chemical systems.
Pre / Co requisites: CRL 424 requires prerequisite or co-requisite of CHE 424. Typically offered in Spring.

CRL 436. Polymer Chemistry Lab. 2 Credits. 
Synthesis of polymers; molecular, physical, and thermal characterization of polymers. Instrumental methods include X-rays, IR, electron microscopy, and thermal analysis.
Pre / Co requisites: CRL 436 requires co-requisite of CHE 436.

CRL 476. Experimental Biochemistry I Lab. 2 Credits. 
Laboratory exercises in the fundamentals of biochemistry.
Pre / Co requisites: CRL 476 requires co-requisite of CHE 476. Typically offered in Fall & Spring.

CRL 477. Experimental Biochemistry II Lab. 2 Credits. 
A second-semester laboratory course in biochemistry that stresses the use of advanced analytical instruments to characterize biologically important molecules and to elucidate their mechanism of action.
Pre / Co requisites: CRL 477 requires prerequisites of CHE 476 and CRL 476. Typically offered in Spring.

SCI

SCI 102. Electricity With Physical And Bio Applic. 3 Credits. 
An exploration of the physics of electrical circuits, the chemical basis of electricity as the flow of electrons, acid-base and oxidation-reduction reactions in chemical and in chemical and in living systems, the electrical activity in the human nervous system, and connections between electricity and sensation and locomotion in humans.
Pre / Co requisites: SCI 102 requirement - Education majors only. Typically offered in Fall & Spring.

B.S. IN BIOCHEMISTRY

Curriculum

("Note: As of Spring 2010, this program is no longer accepting new students.")

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

English Composition requirements 6
Mathematics requirement 3
Public Speaking requirement 3
Science requirements 6
Behavioral & Social Science requirements 6
Humanities requirements 6
Arts requirement 3
Diverse Communities requirement 3
Interdisciplinary requirement 3
Student Electives 9
Writing Emphasis requirements 9

Major Core Requirements

CHE 103 General Chemistry I 3
CHE 104 General Chemistry II 3
CHE 231 Organic Chemistry I 4
CHE 232 Organic Chemistry II 3
CHE 321 Analytical Chemistry I 3
CHE 418 Chemical Information 1
CHE 476 Biochemistry I 3

CHE 491 Seminar in Chemistry 1
CHE 103 Experimental General Chemistry I (LAB) 1
CHE 104 Experimental General Chemistry II (LAB) 1
CHE 231 Experimental Organic Chemistry I Lab 2
CHE 321 Analytical Chemistry I Lab 2
PHY 170 Physics I 4
PHY 180 Physics II 4
BIO 110 General Biology 3
MAT 161 Calculus I 4
MAT 162 Calculus II 4

Other Major Requirements

CHE 431 Physical Chemistry I 4
CHE 342 Physical Chemistry II 3
CHE 411 Advanced Inorganic Chemistry 3
CHE 424 Advanced Analytical Chemistry 3
CHE 477 Biochemistry II 3
CHE 322 Experimental Organic Chemistry II Lab 2
CHE 341 Experimental Physical Chemistry Lab 2
CHE 424 Experimental Physical Chemistry II Lab 2
CHE 411 Inorganic Syntheses 2
CHE 424 Analytical Chemistry II Lab 2
CHE 476 Experimental Biochemistry I Lab 2

Lab safety exam must be passed before application for graduation. See advisor for more information.

Select one of the following: 3-4
BIO 214 General Microbiology
BIO 220 Cell Physiology
BIO 230 Genetics

Biochemistry Elective

Students must select one course from the following: 4
CHE 479 Chemical Toxicology
CRL 477 Experimental Toxicology

Total Minimum Required Credits 120

Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

B.S. IN CHEMISTRY

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

English Composition requirements 6
Mathematics requirement 3
Public Speaking requirement 3
Science requirements 6
Behavioral & Social Science requirements 6
Humanities requirements 6
Arts requirement 3
Diverse Communities requirement 3
Interdisciplinary requirement 3
Student Electives 9
Writing Emphasis requirements 9

Major Core Requirements

CHE 103 General Chemistry I 3
CHE 104  General Chemistry II  3
CHE 231  Organic Chemistry I  4
CHE 232  Organic Chemistry II  3
CHE 321  Analytical Chemistry I  3
CHE 418  Chemical Information  1
CHE 476  Biochemistry I  3
CHE 491  Seminar in Chemistry  1
CRL 103  Experimental General Chemistry I (LAB)  1
CRL 104  Experimental General Chemistry II (LAB)  1
CRL 231  Experimental Organic Chemistry I Lab  2
CRL 321  Analytical Chemistry I Lab  2
PHY 170  Physics I  4
PHY 180  Physics II  4
BIO 110  General Biology  3
MAT 161  Calculus I  4
MAT 162  Calculus II  4

Other Major Requirements
CHE 341  Physical Chemistry I  4
CHE 342  Physical Chemistry II  3
CHE 411  Advanced Inorganic Chemistry  3
CHE 424  Advanced Analytical Chemistry  3
CRL 232  Experimental Organic Chemistry II Lab  2
CRL 341  Experimental Physical Chemistry Lab  2
CRL 342  Experimental Physical Chemistry II Lab  2
CRL 411  Inorganic Syntheses  2
CRL 424  Analytical Chemistry II Lab  2

Lab safety exam must be passed before application for graduation. See advisor for more information

Chemistry Electives
Group A Electives:
CHE 333  Advanced Organic Chemistry  3
or CHE 477  Biochemistry II  2
Group B Electives:
Select 6 semester hours from upper-division chemistry courses  6

Total Minimum Credits Required  120

B.S. Chemistry majors may substitute CSC 141 for BIO 110.

Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

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</table>
Chemistry electives in Group A include: CHE 333 or CHE 477. This elective can be taken in the 4th year of study rather than the 3rd year of study.

Chemistry electives in Group B include any approved 300 or 400-level elective in chemistry.

B.S. IN CHEMISTRY-BIOLOGY

College of the Sciences and Mathematics

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

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Major Core Requirements

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Other Major Requirements

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Select one of the following sequences: 8

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Concentration Electives

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Total Minimum Credits Required

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<td>120</td>
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</table>

Students in the Chemistry-Biology curriculum must take PHI 371 as a humanities or interdisciplinary general education requirement.

Students may, with the permission of the department chair and the coordinator of the pre-medical program, substitute an approved 6-12 credit internship for selected requirements and concentration electives. The courses with this footnote would be replaced by the internship (12 credits).

Sample Course Plan

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The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

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Year Two

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Total Minimum Credits Required

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Year Three

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<td>CHE 418</td>
<td>Chemical Information</td>
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<td>BIO 357</td>
<td>Comparative Vertebrate Anatomy</td>
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<td>PHI 371</td>
<td>Medical Ethics</td>
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Total Minimum Credits Required

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<tr>
<td>CRL 321</td>
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BIO 468 Comparative Vertebrate Physiology 4
Arts Gen Ed 3
Behavioral/Social Science Gen Ed 3
BIO or CHE Elective 4

Credits 16

Year Four
Fall
CHE 476 Biochemistry I 3
CRL 476 Experimental Biochemistry I Lab 2
Humanities Gen Ed 3
Student Elective 3
Student Elective 3

Credits 14
Spring
CHE 491 Seminar in Chemistry 1
BIO 448 Animal Development 4
CHE Elective 3
CHE Elective 3
Student Elective 3

Credits 14

Total Credits 121

B.S. IN FORENSIC AND TOXICOLOGICAL CHEMISTRY

College of the Sciences and Mathematics

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

English Composition requirements 6
Mathematics requirement 3
Public Speaking requirement 3
Science requirements 6
Behavioral & Social Science requirements 6
Humanities requirements 6
Arts requirement 3
Diverse Communities requirement 3
Interdisciplinary requirement 3
Student Electives 9
Writing Emphasis requirements 9

Major Core Requirements

CHE 103 General Chemistry I 3
CHE 104 General Chemistry II 3
CHE 231 Organic Chemistry I 4
CHE 232 Organic Chemistry II 3
CHE 321 Analytical Chemistry I 3
CHE 418 Chemical Information 1
CHE 476 Biochemistry I 3
CHE 491 Seminar in Chemistry 1
CRL 103 Experimental General Chemistry I (LAB) 1
CRL 104 Experimental General Chemistry II (LAB) 1
CRL 231 Experimental Organic Chemistry I Lab 2
CRL 321 Analytical Chemistry I Lab 2
PHY 170 Physics I 4
PHY 180 Physics II 4
BIO 110 General Biology 3
MAT 161 Calculus I 4
MAT 162 Calculus II 4

Other Major Requirements

CHE 271 Forensic Chemistry I 3
CHE 341 Physical Chemistry I 4
CHE 371 Forensic Chemistry II 3
CHE 424 Advanced Analytical Chemistry 3
CHE 433 Advanced Topics in Chemistry 3
CHE 451 Internship in Forensic Chemistry 4
CHE 465 Forensic Microscopy 3
CHE 479 Chemical Toxicology 3
CRL 232 Experimental Organic Chemistry II Lab 2
CRL 341 Experimental Physical Chemistry Lab 2
CRL 371 Forensic Chemistry Lab 2
CRL 476 Experimental Biochemistry I Lab 2

Lab safety exam must be passed before application for graduation. See advisor for more information.

BIO 204 Introductory Microbiology 1 4
BIO 230 Genetics 3
BIO 431 Molecular Genetics 3
BIO 333 Molecular Biology Techniques 2
MAT 121 Introduction to Statistics I 3

Total Minimum Required Credits 122

1 BIO 214 may be substituted for BIO 204.

Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

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| Spring | | |
| CHE 104 | General Chemistry II | 3 |
| CRL 104 | Experimental General Chemistry II (LAB) | 1 |
| MAT 121 | Introduction to Statistics I | 3 |
| MAT 162 | Calculus II | 4 |
| WRT XXX | 3 |
| Public Speaking Gen Ed | 3 |
| Credits | 17 |

| Year Two | | |
| Fall | | |
| CHE 231 | Organic Chemistry I | 4 |
| CRL 231 | Experimental Organic Chemistry I Lab | 2 |
| CHE 321 | Analytical Chemistry I | 3 |
| CRL 321 | Analytical Chemistry I Lab | 2 |
| PHY 170 | Physics I | 4 |
| | | |
### Behavioral/Social Science Gen Ed

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<td>BIO 204 Introductory Microbiology</td>
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<td>or BIO 214 General Microbiology</td>
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<td>CHE 271 Forensic Chemistry I</td>
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**Year Three**

**Fall**

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<td>CRL 371 Forensic Chemistry Lab</td>
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<td>CHE 418 Chemical Information</td>
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<td>BIO 230 Genetics</td>
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**Credits** 16

**Spring**

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<td>CHE 424 Advanced Analytical Chemistry</td>
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<td>CHE 465 Forensic Microscopy</td>
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<td>CHE 479 Chemical Toxicology</td>
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<tr>
<td>BIO 333 Molecular Biology Techniques</td>
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<td>Humanities Gen Ed</td>
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<td>Arts Gen Ed</td>
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**Year Four**

**Fall**

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<td>CRL 476 Experimental Biochemistry I Lab</td>
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<td>BIO 431 Molecular Genetics</td>
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<td>PHI 180 Introduction to Ethics</td>
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**Credits** 12

**Spring**

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<td>CHE 451 Internship in Forensic Chemistry</td>
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<td>Interdisciplinary Gen Ed</td>
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**Total Credits** 7-18

1. CHE 433 is taken during the semester that it is offered as "Chemistry and the Law." This course is offered every other year. Students should plan accordingly.

### B.S.Ed. in Chemistry

**College of the Sciences and Mathematics**

**Curriculum**

**General Education Requirements**

For more information, visit the university's catalog online at [catalog.wcupa.edu](http://catalog.wcupa.edu/undergraduate/general-education-requirements)

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<td>Mathematics requirement</td>
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<td>Public Speaking requirement</td>
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<tr>
<td>Science requirements</td>
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<td>Behavioral &amp; Social Science requirements</td>
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**Major Core Requirements**

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<tr>
<td>CHE 103 General Chemistry I</td>
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<tr>
<td>CHE 104 General Chemistry II</td>
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<tr>
<td>CHE 231 Organic Chemistry I</td>
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<tr>
<td>CHE 232 Organic Chemistry II</td>
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<tr>
<td>CHE 321 Analytical Chemistry I</td>
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<tr>
<td>CHE 418 Chemical Information</td>
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<td>CHE 476 Biochemistry I</td>
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<tr>
<td>CHE 491 Seminar in Chemistry</td>
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<tr>
<td>CRL 103 Experimental General Chemistry I (Lab)</td>
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<td>CRL 104 Experimental General Chemistry II (Lab)</td>
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<td>CRL 321 Analytical Chemistry I Lab</td>
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<tr>
<td>BIO 110 General Biology</td>
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<td>PHY 170 Physics I</td>
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<td>PHY 180 Physics II</td>
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<td>MAT 161 Calculus I</td>
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<td>MAT 162 Calculus II</td>
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**Other Major Requirements**

<table>
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<th>Course</th>
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<tr>
<td>CHE 341 Physical Chemistry I</td>
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<td>CHE 411 Advanced Inorganic Chemistry</td>
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<td>CRL 232 Experimental Organic Chemistry II Lab</td>
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<td>CRL 341 Experimental Physical Chemistry Lab</td>
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Lab safety exam must be passed before application for graduation. See advisor for more information.

**Education Requirements**

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<td>EDA 304 Special Ed Processes/Procedures for Secondary Educators</td>
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<td>EDF 300 Democracy and Education</td>
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<td>EDS 306 Teaching Principles and Field Experience in Secondary Schools</td>
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<td>EDS 411 Student Teaching Sec - 1st Half</td>
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<td>EDS 412 Student Teaching Sec - 2nd Half</td>
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<td>EDR 347 Literacy Development and Secondary Students with Disabilities in Inclusive Classrooms</td>
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<tr>
<td>LAN 382 Teaching English Language Learners PK-12</td>
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<td>or ENG 382 Teaching English Language Learners PK-12</td>
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**Total Minimum Credits Required** 126

1. Students in this program must take a LIT course and PHI 180 as humanities general education courses, and PSY 100 is recommended as a behavioral/social science general education course.

2. PHY 170 and BIO 110 fulfill science general education requirements.
Sample Course Plan

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MINOR IN CHEMISTRY

College of the Sciences and Mathematics

The Department of Chemistry offers a minor in chemistry. The requirements are as follows:

**Required Courses**

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<td>Three credits of 300-level or higher chemistry elective(s)</td>
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**Prerequisites**

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<td>CRL 104</td>
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<td>Interview with the Department of Chemistry minor adviser or chair at least once a semester.</td>
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</table>

**Total Credits**

1 Each of these courses must be passed with a grade of C- or better.
2 These electives must be chemistry courses (CHE) that satisfy the chemistry requirements of the ACS chemistry major program.

DEPARTMENT OF COMMUNICATION AND MEDIA

College of Arts and Humanities

Overview

202 Wayne Hall
610-436-2500
Department of Communication and Media (http://www.wcupa.edu/communicationStudies)
Programs of Study

Students study communication as a generalized degree with opportunities to take courses in interpersonal and intercultural communication; mass media and public relations; and rhetoric and public communication.

Majors are expected to meet with their advisors to plan a course of study, to select courses prior to scheduling, to discuss career opportunities, and to keep abreast of departmental co-curricular activities. Students are provided with handbooks to inform them of requirements for each program in the department. Students who wish to transfer into the communication studies program must meet “Program Admission Requirements” described in the "Policies (http://catalog.wcupa.edu/undergraduate/arts-humanities/communication-studies/#policies)” section.

The B.A. in Communication Studies provides students with a comprehensive examination of the theory and practice of communication as it is spoken, written, and created for mediated audiences. At the heart of the program is the focus on oral communication as the core of a liberal arts education that can be applied to a number of career professions. This program also will prepare students for post-graduate study.

The Media & Culture (MDC) program is intended for undergraduate students who want to develop specialized expertise and skills in media-related fields, be able to use and create content for a variety of media technologies, and think critically about the intersections of media and diverse cultural contexts. Students will be prepared to enter a wide range of fields in the global workforce including media production, broadcasting, advertising, strategic communication, social media & PR, international media, diversity training and development, and others. They will begin their careers with a versatile skill set and a professional portfolio of their work developed through hands-on coursework, internships, and practicum experiences.

Departmental Student Activities

The Forensic Team (speech and debate), the radio station, the WCU Studios, Students in Communication, Public Relations Student Society of America (PRSSA), Lambda Pi Eta, and the National Association of Black Journalists are student organizations that involve department faculty and resources. The activities of these organizations are open to all students. For more information see the “Student Affairs (http://catalog.wcupa.edu/undergraduate/student-affairs)” section.

Department Internships

Internships are available for academic credit for highly motivated and academically successful students who meet the department’s requirements. The department encourages students to take internships to enhance their academic studies with work experience in a professional organization. Students have been placed in congressional offices, radio and television stations, and local industries. Students and their placements are screened to assure mutual satisfaction for all parties involved. For details, students should check with the department’s internship coordinator and/or the department’s website (http://www.wcupa.edu/communicationStudies).

Programs

Majors in Communication and Media

• B.A. in Communication Studies (p. 220)
• B.A. in Media and Culture (p. 221)

Minors in Communication and Media

• Communication Studies (p. 222)
• Media and Culture (p. 223)

Graduate Opportunities

See the graduate catalog for more information on the Communication and Media programs. (http://catalog.wcupa.edu/graduate/arts-humanities/communication-media)

Policies

• See undergraduate admissions information. (p. 11)
• See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

Internal Transfer Admission Requirements (B.A. and Minor Programs)

Applicants who have earned a C or better in each of the prerequisite core classes (COM 219, COM 224, and SPK 208) will be admitted into the program at the conclusion of the semester, after grades have been posted. Students who do not gain admission can retake one or more of the prerequisite classes and reapply.

Faculty

Professors

Michael Boyle (mboyle@wcupa.edu) (2006)
Assistant Chairperson
B.A., East Stroudsburg University; M.A., University of Delaware; Ph.D., University of Wisconsin at Madison

Timothy J. Brown (tbrown@wcupa.edu) (2002)
B.A., M.A., West Chester University; Ph.D., Ohio University

Anita K. Foeman (afoeman@wcupa.edu) (1991)
B.H., DeFance College; M.A., Ph.D., Temple University

Elaine B. Jenks (ejenks@wcupa.edu) (1992)
B.A., University of Maryland; M.A., Gannon University; Ph.D., Pennsylvania State University

David G. Levasseur (dlevasseur@wcupa.edu) (1997)
B.A., M.A., University of Maryland-College Park; Ph.D., University of Kansas

Edward J. Lordan (elordan@wcupa.edu) (2001)
B.A., West Chester University; M.A., Temple University; Ph.D., Syracuse University

Lisa Millhous (lmillhous@wcupa.edu) (1999)
B.A., Macalester College; M.A., Ph.D., University of Minnesota

Denise M. Polk (dpolk@wcupa.edu) (2005)
Chairperson, Communication and Media
B.A., Baldwin-Wallace College; M.A., Miami University; Ph.D., Kent State University

Martin S. Remland (mremland@wcupa.edu) (1991)
B.A., Western Illinois University; M.A., Central Michigan University; Ph.D., Southern Illinois University

Philip A. Thompsen (pthompsen@wcupa.edu) (1997)
B.S., Northern Arizona University; M.S., University of Southwestern Louisiana; Ph.D., University of Utah
Associate Professors
M. Ola Kopacz (mkopacz@wcupa.edu) (2007)
M.A., Warsaw University (Poland); Ph.D., University of Arizona
Bessie Lee Lawton (blawton@wcupa.edu) (2008)
B.A., M.A., University of the Philippines; Ph.D., University of Pennsylvania
L. Meghan Mahoney (mmahoney@wcupa.edu) (2011)
B.A., York College of Pennsylvania; M.A., West Chester University; Ph.D., Ohio University
Michael V. Pearson (mpearson@wcupa.edu) (1988)
B.A., Iona College; M.A., William Patterson College; Ph.D., Temple University
Kanan Sawyer (ksawyer@wcupa.edu) (2004)
B.S., California Polytechnic State University; M.A., University of Washington; Ph.D., University of Texas

Assistant Professors
Roger Gatchet (rgatchet@wcupa.edu) (2015)
B.A., Cal Poly, San Luis Obispo; M.A., University of Texas at Austin; Ph.D., University of Texas at Austin
Maxine Gesualdi (mgesualdi@wcupa.edu) (2016)
B.S., West Virginia University; M.A., West Chester University
Matthew Meier (mmeier@wcupa.edu) (2015)
Graduate Coordinator, Communication and Media
B.A., Capital University; M.A., Purdue University Calumet; Ph.D., Bowling Green State University
Elizabeth Ann Munz (emunz@wcupa.edu) (2013)
Assistant Chairperson, Communication and Media
B.A., University of Richmond; M.A., Ph.D., Purdue University
Julia Waddell (jwaddell@wcupa.edu) (2016)
B.A., B.S., University of Florida; M.S., University of North Carolina at Chapel Hill; Ph.D., University of Michigan

Instructor
Eryn S. Travis (etravis@wcupa.edu) (2017)
University of Maryland, B.A.; West Chester University, M.A.

Courses

COM

COM 100. Internship in Computerized Communication. 1-3 Credits.
Internship for high school seniors to engage in a structural and supervised learning experience in computerized communication.
Repeatable for Credit.

COM 112. Communication Media Practicum. 1-3 Credits.
This course provides students with an opportunity to gain knowledge and skill as they do work at WCU media outlets.
Typically offered in Fall & Spring.
Repeatable for Credit.

COM 200. Communication Careers Planning I. 1 Credit.
This course is designed to introduce the first of a two-phase, career-planning process. Self-assessment and exploration is provided through assigned readings, mini-lectures, reflective exercises, and small group activities.
Typically offered in Fall & Spring.

COM 201. Fundamentals of Communication Technology. 3 Credits.
Examination of the use of computers and other technologies to create, organize, store, visualize, and present messages.
COM 253. Media Literacy. 3 Credits.
Media literacy is a way of critically thinking about modern media: a way of analyzing media messages to gain control over them, understanding their commercial, theoretical and ideological influences, mastering control over the psychological tricks embedded throughout modern technologies and creating new messages as a member of our social information society. In this course, we will explore the effects and influences of mass media and communication on us and in society. We will examine the historical and contemporary influences of mass communication and media - music, film, television, advertising the internet, video games, and social media.
Typically offered in Fall.
Cross listed courses COM 253, MDC 253.

COM 254. Media & Culture Theory. 3 Credits.
This is an introductory course designed to explore the connection between media technologies and culture by examining basic theoretical arguments in media studies today. Students will examine key theoretical approaches to understanding the influence of media in contemporary culture, including audience studies, behavior change theories, computer-mediated communication, critical cultural studies, media convergence, and media literacy. By semester’s end, students will be able to understand, apply, and contribute to research in the field of media studies. This knowledge will aid in the process of becoming responsible media producers and critical media consumers in today’s digital world.
Typically offered in Fall & Spring.
Cross listed courses COM 254, MDC 254.

COM 275. Media in Ireland. 3 Credits.
This course introduces students to the past, present and future of media in Ireland by examining the culture, history, law and economic conditions of the nation. It includes visits to the major historic sites and media centers in Dublin.
Typically offered in Summer.

COM 276. Media in London. 3 Credits.
This course explores the past, present and future of British media. Students will study England from a variety of perspectives (cultural, economic, legal, technological) as a way of understanding the evolution of British media, including both print and broadcast. Course includes three weeks in London visiting various media institutions.
Typically offered in Summer.

COM 292. Living in the Digital Age. 3 Credits.
New technologies result in immediate and far reaching changes in our communications systems and in our communication practices. They even effect how we define ourselves. This course examines a broad array of issues from Artificial Intelligence to the WWW.

COM 295. Communication and Disability. 3 Credits.
This course explores how individuals communicate through and about disability. Topics covered include the place of perceptions, identity, language, non verbal behavior, and assistive technology in interpersonal communicative interactions among and about individuals with disabilities in family, friendship, and professional relationships.
Typically offered in Fall & Spring.

COM 304. Organizational Communication. 3 Credits.
An in-depth analysis of the dynamic process of communication as it occurs in organizational networks.
Pre / Co requisites: COM 304 requires prerequisites of SPK 208 and COM 216 and COM 219 and COM 224.
Typically offered in Fall & Spring.

COM 307. Nonverbal Communication. 3 Credits.
A study of the verbal and sensory messages we are constantly receiving. Body language and the uses of space, time, touch, objects, and color inherent in the sensory messages we receive.
Pre / Co requisites: COM 307 requires prerequisites of SPK 208 and COM 219 and COM 224.
Typically offered in Fall & Spring.

COM 309. Advanced Public Speaking. 3 Credits.
Designing personal strategies, adapting delivery to large audiences, developing oral use of language, and speaking to live or simulated community groups.
Pre / Co requisites: COM 309 requires prerequisites of SPK 208 and COM 219 and COM 224.
Typically offered in Fall.

COM 311. Communication Professions in Sports. 3 Credits.
Course focuses on the communications businesses related to sports in America, including marketing, public relations, journalism, emerging media, etc. Includes sections on media history, communication ethics, race relations, and gender issues in sports media. Guest speakers from major media and local professional teams provide insight into communications-related professions in sports.
Pre / Co requisites: COM 311 requires prerequisites of SPK 208, COM 219, and COM 224 or MDC 250 and MDC 251.
Typically offered in Fall & Spring.
Cross listed courses COM 311, MDC 311.

COM 314. Games Culture and Theory. 3 Credits.
More people are playing video games than ever before, but what does it mean to be a gamer? What does it mean to be part of gaming culture? How does theory help us understand the impact of video games on us? In this class, we will explore video games, both classic and contemporary. You will not only play them, but you will also deconstruct your own relationship with video games themselves as well as humanity’s. You will explore the ways people are influenced by games, and the way that games influence culture and society, for better and for worse.
Pre / Co requisites: COM 314 requires prerequisites of SPK 208, COM 219, and COM 224 or MDC 250 and MDC 251.
Typically offered in Fall & Spring.
Cross listed courses COM 314, MDC 314.

COM 316. Mediated Communication: The Internet, Culture & Society. 3 Credits.
We communicate using technology every day. In fact, our digital communication technologies are so pervasive that they seem almost invisible as most of us increasingly rely on some form of media in order to communicate with one another. Technologies such as Facebook, Twitter, SMS, e-mail, and any number of other programs have blurred the lines between interpersonal and mass communication, causing us to rethink how we understand human interaction in this new mediated world. Mediation has challenged some of the most basic assumptions of how we form relationships, both with each other and with ourselves, and how technology can be used to enhance or inhibit these relationships. This course examines the effects that digital mediated communication technologies have on our everyday lives, personal identities as well as our interpersonal, intrapersonal, and organizational relationships.
Pre / Co requisites: COM 316 requires prerequisites of SPK 208, COM 219, and COM 224 or MDC 250 and MDC 251.
Typically offered in Fall & Spring.
Cross listed courses COM 316, MDC 316.

COM 317. Advanced Video Production. 3 Credits.
This course explores advanced television production processes. Topics covered include proposal and budget writing, visualization and storyboarding, composing and staging shots and the advanced use of editing tools in pre-production, production, and post-production.
Pre / Co requisites: COM 317 requires prerequisites of COM 217, COM 219, COM 224 and SPK 208 or MDC 250 and MDC 251.
Typically offered in Spring.
Cross listed courses COM 317, MDC 317.

COM 318. Forensics. 3 Credits.
Study in the philosophy and practice of forensics. Initiating, developing, and administrating a forensic program. Coaching and judging debate and individual events.
Pre / Co requisites: COM 318 requires prerequisites of SPK 208 and COM 219 and COM 224.

COM 320. Communication on Television and Radio. 3 Credits.
For the student who, by career or circumstance, will be required to be on radio and television. The focus of the course will be on three major areas: interviewer/interviewee techniques; acting for television, including working in commercials; and news reporting, including studio and remote locations.
Pre / Co requisites: COM 320 requires prerequisites of SPK 208, COM 219, COM 224, and THA 103 or MDC 250, MDC 251, and THA 103.
Typically offered in Fall.
Cross listed courses COM 320, MDC 320.
COM 321. Search Engine Optimization Management. 3 Credits.
This course examines the relationship between communication and marketing on the internet, with emphasis on the strategic use of content in the marketing process. Topics include: online communication environments, audience analysis, message design, editorial plan, and the analysis of outcomes.
Pre / Co requisites: COM 321 requires prerequisites of SPK 208, COM 219, and COM 224 or MDC 250 and MDC 251.
Typically offered in Fall & Spring.
Cross listed courses COM 321, MDC 321.

COM 322. Culture and Organizations. 3 Credits.
Organizational dynamics can be understood to operate using deeper assumptions and values, much like national cultures. Different scholarly approaches to culture are used to craft strategic responses to practical organizational challenges using the media. The particular cultures of media organizations are also analyzed using case study examples.
Pre / Co requisites: COM 322 requires prerequisites of SPK 208, COM 219, and COM 224 or MDC 250 and MDC 251.
Typically offered in Fall & Spring.
Cross listed courses COM 322, MDC 322.

COM 323. Media Audiences. 3 Credits.
Media scholars and practitioners have long been interested in understanding and measuring 'the audience'. Increasing levels of media convergence, fragmentation, and polarization present many new challenges for making sense of media users. The purpose of this course is to explore various assumptions of media audiences and the different methodological attempts to measure them. First, students will explore a 'push' media perspective by examining mass communication media effects research. Students will examine pop culture texts of today and learn more about ratings analysis. Next, students will reflect on critical responses to emergent audiences through 'pull' media research. Here, students will learn more about audience reception research and the many ways in which audiences experience and make sense of media technologies. Finally, students will examine how these different approaches inform the concerns, questions, methods, findings, and implications of audience research today.
Pre / Co requisites: COM 323 requires prerequisites of SPK 208, COM 219, and COM 224 or MDC 250 and MDC 251.
Typically offered in Fall & Spring.
Cross listed courses COM 323, MDC 323.

COM 325. Strategic Social Media. 3 Credits.
This course is designed to explore the influence of digital media in the twenty first century. We will address key concepts in the field of new media, including issues such as media literacy, personal identity, community, globalization and the convergence culture. It is necessary to question whether there is anything "new" about these new technologies by comparing them with historic media transformations of our past. Once an adequate understanding is gained of the historical and present landscape of new media, we will learn to utilize technologies for personal online reputation management. Finally, we will critically explore how to best market new media by examining various business models and theories in the field, as well as how organizations and businesses utilize new media most effectively. Students will have an opportunity to apply course concepts to a final social media marketing project.
Pre / Co requisites: COM 325 requires prerequisites of COM 219, COM 224, and SPK 208. Distance education offering may be available.
Typically offered in Fall & Spring.
Cross listed courses COM 325, MDC 325.

COM 340. Political Communication. 3 Credits.
This course examines the functions and effects of political messages in policymaking and in campaigns. Particular attention is paid to the flow of messages between politicians, the media, and the electorate.
Pre / Co requisites: COM 340 requires prerequisites of COM 219, COM 224, and SPK 208.
Typically offered in Fall.

COM 345. Communication and Gender. 3 Credits.
This course explores communication between and about females and males. Topics covered include interpersonal interaction between men and women in romantic, friendship, family, work, and professional relationships as well as societal assumptions and popular culture messages about communication and gender.
Pre / Co requisites: COM 345 requires prerequisites of COM 219, COM 224, and SPK 208.

COM 350. Advanced Intercultural Communication. 3 Credits.
Intercultural communication examines communication across various areas of difference: age, race, gender, class, orientation, region. Graduate Intercultural Communication examines the relationship between communication and culture. Analysis of communication variables as they relate to the communication of difference and the ways in which difference matters in everyday intercultural communication are examined. Emphasis is placed on the influence of culture on the communication process, including differences in values, assumptions, and communication practices/roles.
Pre / Co requisites: COM 350 requires prerequisites of SPK 208, COM 219, and COM 224 or MDC 250 and MDC 251.
Typically offered in Fall & Spring.
Cross listed courses COM 350, MDC 350.

COM 355. Introduction to Public Relations. 3 Credits.
An introduction to the role of the public relations practitioner in the formation of public opinion. Communications theory will be combined with specific techniques for working with the press, producing printed material, and conducting special events.
Pre / Co requisites: COM 355 requires prerequisites of SPK 208, COM 219, and COM 224 or MDC 250 and MDC 251.
Typically offered in Fall & Spring.
Cross listed courses COM 355, MDC 355.

COM 360. African American Culture and Communication. 3 Credits.
African American communication explores the ways messages, verbal and non-verbal, produce, maintain, transform and repair reality for Black community members over the media and in interpersonal contexts. As such, the course explores the significance of discursive identity construction in the media and in human interaction. We aim to develop intercultural communication competency in this subject area. We accomplish this by evaluating the ways in which Black/African American identities have been discursively and socially constructed, sustained, problematized, celebrated, and enacted in media, institutional, and societal settings. The dynamic process of acquiring, managing and executing the rhetorical qualities, patterns of thinking, values, assumptions, and concepts which constitute subjective culture are explored.
Pre / Co requisites: COM 360 requires prerequisites of SPK 208, COM 219, and COM 224 or MDC 250 and MDC 251.
Typically offered in Fall.
Cross listed courses COM 360, MDC 360.

COM 370. Event Production Using Media. 3 Credits.
Producing a large event requires strategic leadership to coordinate multiple stakeholders to achieve concrete goals. The media play a variety of roles in this complex production process. This course considers application of theory and research to the practical problems of envisioning and executing events on a larger scale using a variety of mediated forms in different supporting roles.
Pre / Co requisites: COM 370 requires prerequisites of SPK 208, COM 219, and COM 224 or MDC 250 and MDC 251.
Typically offered in Fall & Spring.
Cross listed courses COM 370, MDC 370.

COM 399. Directed Studies in Communication Studies. 1-6 Credits.
Research, creative projects, reports, and readings in communication studies. Students must apply to advisers one semester in advance of registration. Open to juniors and seniors only.
Pre / Co requisites: COM 399 requires prerequisites of SPK 208 and COM 219 and COM 224 and approval of department chairperson.
Consent: Permission of the Department required to add.
Typically offered in Fall & Spring.
Repeatable for Credit.

COM 400. Internship in Communication Studies. 3-15 Credits.
This course provides a structured and supervised work experience in communication. Credits earned are based on amount of time spent on the job. Students must apply to the department internship coordinator and receive approval to be admitted.
Pre / Co requisites: COM 400 requires prerequisites of SPK 208 and COM 219 and COM 224. Consent: Permission of the Department required to add.
Typically offered in Fall, Spring & Summer.
Repeatable for Credit.

COM 403. Persuasion. 3 Credits.
Current theories of attitude and attitude change. Practice in speaking to modify behavior through appeals to the drives and motives of the listener.
Pre / Co requisites: COM 403 requires prerequisites of SPK 208 and COM 219 and COM 224.
COM 404. Rhetorical Theory and Criticism. 3 Credits.  
Offers an overview of rhetorical theory from classical to contemporary times. Theory is needed to analyze and assess a variety of texts such as advertisements and speeches.  
Pre / Co requisites: COM 404 requires prerequisites of COM 219, COM 224, and SPK 208.  
Gen Ed Attribute: Writing Emphasis.  
Typically offered in Fall & Spring.

COM 405. Argumentation & Debate. 3 Credits.  
Functions and principles of argumentation and debate, including analysis, evidence, reasoning, and refutation. Class debates on vital issues.  
Pre / Co requisites: COM 405 requires prerequisites of SPK 208 and COM 219 and COM 224.  
Gen Ed Attribute: Writing Emphasis.  
Typically offered in Spring.

COM 410. Conflict Resolutions. 3 Credits.  
This course explores the means of resolving conflict through argument, negotiation, mediation, and arbitration.  
Pre / Co requisites: COM 410 requires prerequisites of SPK 208 and COM 219 and COM 224.  
Typically offered in Fall.

COM 415. Language, Thought & Behavior. 3 Credits.  
This course is designed to help students understand the way language functions in the communication process. To accomplish this purpose, various language systems will be examined and one will be selected for in-depth analysis.  
Pre / Co requisites: COM 415 requires prerequisites of SPK 208 and COM 219 and COM 224.  
Gen Ed Attribute: Writing Emphasis.  
Typically offered in Summer.

COM 420. Mass Media & Social Protest. 3 Credits.  
This course will address multi-disciplinary theory and research that has contributed to our understanding of both the antecedents and consequences of mediated messages as they affect processes related to social protest. Readings will draw from mass communication, political science, sociology and other disciplines to examine questions about the role of communication media in the dynamics of social protest considering both traditional and new/emerging media.  
Pre / Co requisites: COM 420 requires prerequisites of SPK 208, COM 219, and COM 224 or MDC 250 and MDC 251.  
Typically offered in Spring.  
Cross listed courses COM 420, MDC 420.

COM 421. Content Strategy. 3 Credits.  
This course examines the relationship between communication and marketing on the internet, with emphasis on the strategic use of content in the marketing process. Topics include: online communication environments, audience analysis, message design, editorial plan, and the analysis of outcomes.  
Pre / Co requisites: COM 421 requires prerequisites of SPK 208, COM 219, and COM 224 or MDC 250 and MDC 251.  
Typically offered in Fall & Spring.  
Cross listed courses COM 421, MDC 421.

COM 422. Consulting for Careers in Media and Culture. 3 Credits.  
The goal of this course is to explore the links between abilities and perspectives refined by those who study organizational culture and the needs of modern organizations. In this course, students will explore the elements of organizational culture and apply their learning by those who study organizational culture and the needs of modern organizations. In this course, students will explore the elements of organizational culture and apply their learning through the experience of workshops and through designing their own workshops. The use of media in training workshops is addressed explicitly using theory and experiential examples.  
Pre / Co requisites: COM 422 requires prerequisites of SPK 208, COM 219, and COM 224 or MDC 250 and MDC 251.  
Typically offered in Fall & Spring.  
Cross listed courses COM 422, MDC 422.

COM 423. Media Campaigns. 3 Credits.  
This course examines key theories of mass media influence and applies them to the practice of persuasive media campaigns.  
Pre / Co requisites: COM 423 requires prerequisites of SPK 208, COM 219, and COM 224 or MDC 250 and MDC 251.  
Typically offered in Fall & Spring.  
Cross listed courses COM 423, MDC 423.

COM 425. Rhetoric & Popular Culture. 3 Credits.  
This course engages the rhetorical tradition as a way of understanding and interrogating popular culture. Unlike other courses in rhetoric, this course is not concerned with the obviously important; rather, it regards the everyday, the ordinary, and the mundane as significant sources of persuasion and influence. The overarching concern for the course is not popular culture for its own sake. Instead, the course seeks to understand what popular culture does and how it contributes to the construction of our social reality.  
Pre / Co requisites: COM 425 requires prerequisites of SPK 208, COM 219, and COM 224.  
Typically offered in Fall & Spring.

COM 440. Friendship Communication. 3 Credits.  
This course explores communication in friendship relationships. Topics covered include a dialectical perspective of creating and maintaining meaning between friends in childhood, adolescence, and adulthood, as well as how friendship communication is affected by gender, culture, school, work, romance, and family.  
Pre / Co requisites: COM 440 requires prerequisites of COM 204, COM 219, COM 224 and SPK 208.  
Gen Ed Attribute: Writing Emphasis.  
Typically offered in Fall.

COM 445. Family Communication. 3 Credits.  
This course explores communication in family relationships. Topics covered include interpersonal interaction between family members, societal influences on the family as a whole, and the place of family narratives in these communicative behaviors.  
Pre / Co requisites: COM 445 requires prerequisites of COM 204, COM 219, COM 224, and SPK 208.  
Gen Ed Attribute: Writing Emphasis.  
Typically offered in Spring.

COM 450. Health Communication. 3 Credits.  
This course explores communication in health care settings. Topics covered include the changing perceptions of medical encounters, the language of illness and health, the roles of patients and caregivers, and health communication in historical, cultural, organizational, technological and mediated contexts.  
Pre / Co requisites: COM 450 requires prerequisites of COM 219, COM 224, and SPK 208.  
Typically offered in Spring.

COM 455. Public Relations Management. 3 Credits.  
This course explores the strategic planning and implementation of public relation programs. Topics include the application of management theory to real public relations cases to solve communication problems as well as identifying the values of audiences, and working with the media to develop and distribute messages.  

COM 460. Communication and Advertising. 3 Credits.  
This course explores the relationship between communication and advertising. Topics covered include the interconnection among advertising, media, and a range of publics, as well as the process and history of advertising, message strategies, media planning, and campaign evaluation, ethical and regulatory issues.  
Pre / Co requisites: COM 460 requires prerequisites of SPK 208, COM 219, and COM 224 or MDC 250 and MDC 251.  
Typically offered in Fall & Spring.  
Cross listed courses COM 460, MDC 460.

COM 470. Intercultural Communication Training. 3 Credits.  
Intercultural training is an experiential activity that engages cognitive, behavioral and affective learning to help individuals to bridge cultural differences in their communication. This course teaches students the theory behind intercultural training for the workplace through the experience of workshops and through designing their own workshops. The use of media in training workshops is addressed explicitly using theory and experiential examples.  
Pre / Co requisites: COM 470 requires prerequisites of SPK 208, COM 219, and COM 224 or MDC 250 and MDC 251.  
Typically offered in Fall & Spring.  
Cross listed courses COM 470, MDC 470.

COM 480. Communication and Leadership. 3 Credits.  
This course explores the relationship between leadership and communication. Topics covered include the definition of the leadership challenge, the major approaches to leadership training, and the study of leadership as a metaphor for self-development.  
Pre / Co requisites: COM 480 requires prerequisites of COM 219, COM 224, and SPK 208.
COM 490. Capstone: Communication Theory. 3 Credits.
This senior level seminar explores leading communication theories at an advanced level. Students will be expected to read, synthesize and apply original communication research related to theories in these particular areas of emphasis in the communication studies field.
Pre / Co requisites: COM 490 requires prerequisites of COM 219, COM 224, SPK 208 and any two of COM 300 or 400 level courses other than COM 400.

COM 491. Capstone: Rhetoric & Public Communication. 3 Credits.
This senior level seminar explores leading theories of rhetoric and social influence at an advanced level. Students will be expected to read, synthesize and apply original communications research related to theories in these particular areas of emphasis in the communication studies field.
Pre / Co requisites: COM 491 requires prerequisites of COM 219, COM 224, SPK 208, and any two of the following courses: COM 309, COM 340, COM 403, COM 404, COM 405, or COM 480.

COM 492. Capstone: Intercultural & Interpersonal Communication. 3 Credits.
This senior level seminar explores leading theories of intercultural and interpersonal communication at an advanced level. Students will be expected to read, synthesize and apply original communication research related to theories in these particular areas of emphasis in the communication studies field.
Pre / Co requisites: COM 492 requires prerequisites of COM 204, COM 219, COM 224, SPK 208, and any two of the following courses: COM 307, COM 360, COM 410, COM 440, COM 445, COM 470, or COM 480.

COM 493. Capstone: Media & Public Relations. 3 Credits.
This senior level seminar explores leading media and public relations theories at an advanced level. Students will be expected to read, synthesize and apply original communications research related to theories in these particular areas of emphasis in the communication studies field.
Pre / Co requisites: COM 493 requires prerequisites of COM 212, COM 219, COM 224, SPK 208 and any two of the following courses: COM 317, COM 320, COM 325, COM 355, COM 455, or COM 460.

COM 499. Communication Seminar. 3 Credits.
Intensive examination of a selected area of study in the field of communication studies. Topics will be announced in advance.
Pre / Co requisites: COM 499 requires prerequisites of SPK 208 and COM 219 and COM 224.
Typically offered in Fall & Spring. Repeatable for Credit.

MDC

MDC 203. The Philadelphia Media Experience. 3 Credits.
This course introduces students to the history of media professions in the Philadelphia area, exposes them to media opportunities and helps them to improve the skill set needed to obtain jobs in emerging media organizations.
Typically offered in Summer.
Cross listed courses COM 203, MDC 203.

MDC 217. Introduction to Video Production. 3 Credits.
This course explores the basic television production process. Topics covered include theories of production process, camera operation, lighting, audio recording, editing, visual effects, design, and production staff, as well as the application of these processes to actual production situations.
Typically offered in Fall.
Cross listed courses COM 217, MDC 217.

MDC 250. Intercultural Communication. 3 Credits.
A study of factors that contribute to communication breakdowns between diverse cultures and between fragmented segments within the same society.
Gen Ed Attribute: Diversity Requirement.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.
Cross listed courses COM 250, MDC 250.

MDC 251. Media Technology. 3 Credits.
This course introduces the students to key technologies used in producing digital messages, as well as professional standards applied in using these technologies. As part of the course, students will also develop basic, practical skills in using current media technology applications.
Typically offered in Fall & Spring.
Cross listed courses COM 251, MDC 251.

MDC 252. Writing for Broadcast and Public Relations. 3 Credits.
Students are required to analyze, evaluate, and produce scripts for a variety of mass media formats. The course will focus on writing for radio and TV and will also emphasize public relations writing within those media. The primary course objective is to develop effective writing, critical analysis, and communication skills. This course is designed to help you improve your research and writing skills for each of these media and is geared toward students with a genuine interest in a media career.
Typically offered in Fall.
Cross listed courses COM 252, MDC 252.

MDC 253. Media Literacy. 3 Credits.
Media literacy is a way of critically thinking about modern media: a way of analyzing media messages to gain control over them, understanding their commercial, theoretical and ideological influences, mastering control over the psychological tricks embedded throughout modern technologies and creating new messages as a member of our social information society. In this course, we will explore the effects and influences of mass media and communication on us and in society. We will examine the historical and contemporary influences of mass communication and media - music, film, television, advertising the internet, video games, and social media.
Typically offered in Fall.
Cross listed courses COM 253, MDC 253.

MDC 254. Media & Culture Theory. 3 Credits.
This is an introductory course designed to explore the connection between media technologies and culture by examining basic theoretical arguments in media studies today. Students will examine key theoretical approaches to understanding the influence of media in contemporary culture, including audience studies, behavior change theories, computer-mediated communication, critical cultural studies, media convergence, and media literacy. By semester's end, students will be able to understand, apply, and contribute to research in the field of media studies. This knowledge will aid in the process of becoming responsible media producers and critical media consumers in today's digital world.
Typically offered in Fall & Spring.
Cross listed courses COM 254, MDC 254.

MDC 255. Mass Communication Research Methods. 3 Credits.
An examination of the nature of inquiry and research in communication. Emphasis on understanding and appreciating the strengths and weaknesses of various methods of research in communication. Students will gain knowledge of the fundamentals of research, research methodologies, and basic descriptive statistics.
Typically offered in Fall, Spring & Summer.
Cross listed courses COM 224, MDC 255.

MDC 311. Communication Professions in Sports. 3 Credits.
Course focuses on the communications businesses related to sports in America, including marketing, public relations, journalism, emerging media, etc. Includes sections on media history, communication ethics, race relations, and gender issues in sports media. Guest speakers from major media and local professional teams provide insight into communications-related professions in sports.
Pre / Co requisites: MDC 311 requires prerequisites of SPK 208, COM 219, and COM 224 or MDC 250 and MDC 251.
Typically offered in Fall & Spring.
Cross listed courses COM 311, MDC 311.

MDC 314. Games Culture and Theory. 3 Credits.
More people are playing video games than ever before, but what does it mean to be a gamer? What does it mean to be part of gaming culture? How does theory help us understand the impact of video games on us? In this class, we will explore video games, both classic and contemporary. You will not only play them, but you will also deconstruct your own relationship with video games themselves as well as humanity's. You will explore the ways people are influenced by games, and the way that games influence culture and society, for better and for worse.
Pre / Co requisites: MDC 314 requires prerequisites of SPK 208, COM 219, and COM 224 or MDC 250 and MDC 251.
Typically offered in Fall & Spring.
Cross listed courses COM 314, MDC 314.
MDC 316. Mediated Communication: The Internet, Culture, and Society. 3 Credits.
We communicate using technology every day. In fact, our digital communication technologies are so pervasive that they seem almost invisible as most of us increasingly rely on some form of media in order to communicate with one another. Technologies such as Facebook, Twitter, SMS, e-mail, and any number of other programs have blurred the lines between interpersonal and mass communication, causing us to rethink how we understand human interaction in this new mediated world. Mediation has challenged some of the most basic assumptions of how we form relationships, both with each other and with ourselves, and how technology can be used to enhance or inhibit these relationships. This course examines the effects that digital mediated communication technologies have on our everyday lives, personal identities as well as our interpersonal, intrapersonal, and organizational relationships.
Pre / Co requisites: MDC 316 requires prerequisites of SPK 208, COM 219, and COM 224 or MDC 250 and MDC 251.
Typically offered in Fall & Spring.
Cross listed courses COM 316, MDC 316.

MDC 317. Advanced Video Production. 3 Credits.
This course explores advanced television production processes. Topics covered include proposal and budget writing, visualization and storyboarding, composing and staging shots and the advanced use of editing tools in pre-production, production, and post-production.
Pre / Co requisites: MDC 317 requires prerequisites of COM 217, COM 219, COM 224, and SPK 208 or MDC 250 and MDC 251.
Typically offered in Spring.
Cross listed courses MDC 317, MDC 317.

MDC 320. Communication on Television and Radio. 3 Credits.
A course on the professional practice of communicating through radio, television and digital broadcast media. Topics include communicating through radio and audio media, television and video media, commercial voiceovers, news reporting, and performing in a studio environment.
Pre / Co requisites: MDC 320 requires prerequisites of SPK 208 and COM 219 and COM 224 or MDC 250 and MDC 251.
Typically offered in Fall.
Cross listed courses COM 320, MDC 320.

MDC 321. Search Engine Optimization Management. 3 Credits.
This course examines the relationship between communication and marketing on the internet, with emphasis on the strategic use of content in the marketing process. Topics include: online communication environments, audience analysis, message design, editorial plan, and the analysis of outcomes.
Pre / Co requisites: MDC 321 requires prerequisites of SPK 208, COM 219, and COM 224 or MDC 250 and MDC 251.
Typically offered in Fall & Spring.
Cross listed courses COM 321, MDC 321.

MDC 322. Culture and Organizations. 3 Credits.
Organizational dynamics can be understood to operate using deeper assumptions and values, much like national cultures. Different scholarly approaches to culture are used to craft strategic responses to practical organizational challenges using the media. The particular cultures of media organizations are also analyzed using case study examples.
Pre / Co requisites: MDC 322 requires prerequisites of SPK 208, COM 219, and COM 224 or MDC 250 and MDC 251.
Typically offered in Fall & Spring.
Cross listed courses MDC 322, MDC 322.

MDC 323. Media Audiences. 3 Credits.
Media scholars and practitioners have long been interested in understanding and measuring ‘the audience’. Increasing levels of media convergence, fragmentation, and polarization present many new challenges for making sense of media users. The purpose of this course is to explore various assumptions of media audiences and the different methodological attempts to measure them. First, students will explore a ’push’ media perspective by examining mass communication media effects research. Students will examine pop culture texts of today and in interpersonal contexts. As such, the course explores the significance of discursive identity construction in the media and in human interaction. We aim to develop intercultural communication competency in this subject area. We accomplish this as we examine the ways in which Black/African American identities have been discursively and socially constructed, sustained, problematized, celebrated, and enacted in media, institutional, and societal settings. The dynamic process of acquiring, managing and executing the rhetorical qualities, patterns of thinking, values, assumptions, and concepts which constitute subjective culture are explored.
Pre / Co requisites: MDC 360 requires prerequisites of SPK 208, COM 219, and COM 224 or MDC 250 and MDC 251.
Typically offered in Fall & Spring.
Cross listed courses MDC 360, MDC 360.

MDC 325. MDC Strategic Social Media. 3 Credits.
This course is designed to explore the influence of digital historical landscape, best marketing practices and mobilization through social media in the twenty-first century. We will address key concepts in the field of new media, including issues such as media literacy, personal identity, community, globalization and the convergence culture. It is necessary to question whether there is anything "new" about these new technologies by comparing them with historic media transformations of our past. Once an adequate understanding is gained of the historical and present landscape of new media, we will learn to utilize technologies for personal online reputation management. Finally, we will critically explore how to best market new media by examining various business models and theories in the field, as well as how organizations and businesses utilize new media most effectively. Students will have an opportunity to apply course concepts to a final social media marketing project.
Pre / Co requisites: MDC 325 requires prerequisites of COM 250 or MDC 250, COM 251 or MDC 251, and COM 253 or MDC 253, or COM 252 or MDC 252, or COM 254 or MDC 254.
Distance education offering may be available.
Typically offered in Fall & Spring.
Cross listed courses MDC 325, MDC 325.

MDC 350. Advanced Intercultural Communication. 3 Credits.
Intercultural communication examines communication across various areas of difference: age, race, gender, class, orientation, region. Graduate Intercultural Communication examines the relationship between communication and culture. Analysis of communication variables as they relate to the communication of difference and the ways in which difference matters in everyday intercultural communication are examined. Emphasis is placed on the influence of culture on the communication process, including differences in values, assumptions, and communication practices/roles.
Pre / Co requisites: MDC 350 requires prerequisites of SPK 208, COM 219, and COM 224 or MDC 250 and MDC 251.
Typically offered in Fall & Spring.
Cross listed courses MDC 350, MDC 350.

MDC 355. Introduction to Public Relations. 3 Credits.
An introduction to the role of the public relations practitioner in the formation of public opinion. Communications theory will be combined with specific techniques for working with the press, producing printed material, and conducting special events.
Pre / Co requisites: MDC 355 requires prerequisites of SPK 208, COM 219, and COM 224 or MDC 250 and MDC 251.
Typically offered in Fall & Spring.
Cross listed courses MDC 355, MDC 355.

MDC 360. African American Culture and Communication. 3 Credits.
African American communication explores the ways messages, verbal and non-verbal, produce, maintain, transform and repair reality for Black community members over the media and in interpersonal contexts. As such, the course explores the significance of discursive identity construction in the media and in human interaction. We aim to develop intercultural communication competency in this subject area. We accomplish this as we examine the ways in which Black/African American identities have been discursively and socially constructed, sustained, problematized, celebrated, and enacted in media, institutional, and societal settings. The dynamic process of acquiring, managing and executing the rhetorical qualities, patterns of thinking, values, assumptions, and concepts which constitute subjective culture are explored.
Pre / Co requisites: MDC 360 requires prerequisites of SPK 208, COM 219, and COM 224 or MDC 250 and MDC 251.
Typically offered in Fall & Spring.
Cross listed courses MDC 360, MDC 360.

MDC 370. Event Production Using Media. 3 Credits.
Producing a large event requires strategic leadership to coordinate multiple stakeholders to achieve concrete goals. The media play a variety of roles in this complex production process. This course considers application of theory and research to the practical problems of envisioning and executing events on a larger scale using a variety of mediated forms in different supporting roles.
Pre / Co requisites: MDC 370 requires prerequisites of SPK 208, COM 219, and COM 224 or MDC 250 and MDC 251.
Typically offered in Fall & Spring.
Cross listed courses MDC 370, MDC 370.
MDC 420. Mass Media & Social Protest. 3 Credits.
This course will address multi-disciplinary theory and research that has contributed to our understanding of both the antecedents and consequences of mediated messages as they affect processes related to social protest. Readings will draw from mass communication, political science, sociology, and other disciplines to examine questions about the role of communication media in the dynamics of social protest considering both traditional and new/emerging media. Pre / Co requisites: MDC 420 requires prerequisites of SPK 208, COM 219, and COM 224 or MDC 250 and MDC 251.
Typically offered in Spring.
Cross listed courses COM 420, MDC 420.

MDC 421. Content Strategy. 3 Credits.
This course examines the relationship between communication and marketing on the internet, with emphasis on the strategic use of content in the marketing process. Topics include: online communication environments, audience analysis, message design, editorial plan, and the analysis of outcomes. Pre / Co requisites: MDC 421 requires prerequisites of SPK 208, COM 219, and COM 224 or MDC 250 and MDC 251.
Typically offered in Fall & Spring.
Cross listed courses COM 421, MDC 421.

MDC 422. Consulting for Careers in Media and Culture. 3 Credits.
The goal of this course is to explore the links between abilities and perspectives refined by those who study organizational culture and the needs of modern organizations. In this course, students will explore the elements of organizational culture and apply their learning in conducting an in-depth analysis of a specific organization and with the goal of improving organizational effectiveness and creating positive organizational change. Pre / Co requisites: MDC 422 requires prerequisites of SPK 208, COM 219, and COM 224 or MDC 250 and MDC 251.
Typically offered in Fall & Spring.
Cross listed courses COM 422, MDC 422.

MDC 423. Media Campaigns. 3 Credits.
This course examines key theories of mass media influence and applies them to the practice of persuasive media campaigns. Pre / Co requisites: MDC 423 requires prerequisites of SPK 208, COM 219, and COM 224 or MDC 250 and MDC 251.
Typically offered in Fall & Spring.
Cross listed courses COM 423, MDC 423.

MDC 460. Communication and Advertising. 3 Credits.
This course explores the relationship between communication and advertising. Topics covered include the interconnection among advertising, media, and a range of publics, as well as the process and history of advertising, message strategies, media planning, and campaign evaluation, ethical and regulatory issues. Pre / Co requisites: MDC 460 requires prerequisites of SPK 208, COM 219, and COM 224 or MDC 250 and MDC 251.
Typically offered in Fall & Spring.
Cross listed courses COM 460, MDC 460.

MDC 470. Intercultural Communication Training. 3 Credits.
Intercultural training is an experiential activity that engages cognitive, behavioral and affective learning to help individuals to bridge cultural differences in their communication. This course teaches students the theory behind intercultural training for the workplace, through the experience of workshops and through designing their own workshops. The use of media in training workshops is addressed explicitly using theory and experiential examples. Pre / Co requisites: MDC 470 requires prerequisites of SPK 208, COM 219, and COM 224 or MDC 250 and MDC 251.
Typically offered in Fall & Spring.
Cross listed courses COM 470, MDC 470.

MDC 490. Special Topics Seminar in Culture. 3 Credits.
The mass media is a staple of modern-day society. We have interactions daily with media messages, both intentionally and unintentionally. Media researchers have been examining the impact of the mass media on individuals’ thoughts, attitudes, and behaviors since the Industrial Era and continue to investigate the influence of newer technologies. This course will take an in-depth look at the critical and empirical research into the different discussions and theories on how the media affects people, both at an individual and societal level. Pre / Co requisites: MDC 490 requires prerequisites of MDC 250 and MDC 251.
Typically offered in Fall & Spring.
Repeatable for Credit.

MDC 491. Special Topics Seminar in Production. 3 Credits.
This course serves as an intensive examination of a selected area of study in the field of media production. Specifically, the seminar will focus on the creation of short-form videos. Videos currently account for over half of all internet traffic, with the average length of videos decreasing each year. Online users are interested in short, professional-quality video content. We will examine the art of creating short video content through three sections. First, we will examine the history and production of short videos on social media. Second, we will study tips for creating short videos in an abbreviated time frame through the film race genre. Finally, we will apply knowledge to creating short videos for business settings. Pre / Co requisites: MDC 491 requires prerequisites of MDC 250 and MDC 251.
Typically offered in Fall & Spring.
Repeatable for Credit.

MDC 492. Special Topics Seminar in Strategic Communication. 3 Credits.
This course serves as an intensive examination of a selected area of study in the field of strategic communication. Specifically, the seminar will provide an in-depth examination of audience behavior for public relations, social media, and content marketing specialists. Understanding audience behavior in a convergent media environment has never been more important or difficult to achieve. By focusing on research tools used to understand audience demographics and psychographic characteristics, incorporating these findings into strategic media campaigns, and utilizing communication research methods to monitor and evaluate results, students will be better prepared to enter the field of strategic communication. Pre / Co requisites: MDC 492 requires prerequisites of MDC 250 and MDC 251.
Typically offered in Fall & Spring.
Repeatable for Credit.

MDC 493. Directed Studies in Media and Culture. 1-3 Credits.
Research, creative projects, reports, and readings in communication studies. Students must apply to advisors one semester in advance of registration. Pre / Co requisites: MDC 493 requires prerequisites of junior or senior status, a minimum GPA of 2.5, and MDC 250, MDC 251, MDC 252, MDC 253, MDC 254, and MDC 255.
Consent: Permission of the Department required to add.
Typically offered in Fall & Spring.
Repeatable for Credit.

MDC 494. Internship in Media and Culture. 1-12 Credits.
This internship program is designed to provide students with exposure to professional opportunities related to the field, as well as helping them to build their resumes and begin developing a network of industry contacts. Pre / Co requisites: MDC 494 requires prerequisites of MDC 250 and MDC 251; one upper-level MDC course; the student must be a declared MDC major; and have a cumulative GPA of 2.5, and MDC 250, MDC 251, MDC 252, MDC 253, MDC 254, and MDC 255.
Consent: Permission of the Department required to add.
Typically offered in Fall, Spring & Summer.
Repeatable for Credit.

MDC 495. Media and Culture Practicum. 1-3 Credits.
This course is a supervised, in-house internship, which allows the students to apply the concepts and skills learned in media culture courses. Students do so by creating content for student media (e.g., the Quad, WCW Weekly, or the COMStudent blog). Pre / Co requisites: MDC 495 requires prerequisites of MDC 250, MDC 251, and at least 15 credits of MDC coursework completed.
Consent: Permission of the Department required to add.
Typically offered in Fall & Spring.
Repeatable for Credit.

SPC

SPC 199. Transfer Credits. 1-10 Credits.
Transfer Credits. Repeatable for Credit.

SPK

SPK 199. Transfer Credits. 1-10 Credits.
Transfer Credits. Repeatable for Credit.
B.A. IN COMMUNICATION STUDIES

Curriculum

General Education Requirements [http://catalog.wcupa.edu/undergraduate/general-education-requirements]

<table>
<thead>
<tr>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>English Composition requirements</td>
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<td>Mathematics requirement</td>
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<tr>
<td>Public Speaking requirement</td>
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<tr>
<td>Science requirements</td>
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<tr>
<td>Behavioral &amp; Social Science requirements</td>
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<td>Humanities requirements</td>
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<tr>
<td>Arts requirement</td>
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<tr>
<td>Diverse Communities requirement</td>
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<td>Interdisciplinary requirement</td>
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<tr>
<td>Student Electives</td>
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<tr>
<td>Writing Emphasis requirements</td>
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Language/Culture Requirements

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<tr>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Demonstrating language proficiency through the intermediate level (202) or demonstrating language proficiency through the elementary II (102) level of a language and further acquiring a cultural foundation.</td>
<td>3-15</td>
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Major Requirements

<table>
<thead>
<tr>
<th>Title</th>
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<tbody>
<tr>
<td>COM 204 Interpersonal Communication</td>
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<tr>
<td>COM 212 Mass Communication</td>
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<td>COM 216 Small Group Communication</td>
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<td>COM 219 Communication Theory</td>
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<td>COM 224 Communication Research</td>
<td>3</td>
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<tr>
<td>SPK 208 Public Speaking</td>
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Three of the required lower-division courses COM 219, COM 224 (or HON 313), and SPK 208 (or HON 211) are prerequisites for all upper division communication study courses. In addition, COM 216 is a prerequisite for COM 304. Also, SPK 208 must be taken to satisfy the general education communication requirement.

Upper-division Courses

Students will work with their advisers to select seven appropriate courses at the 300 and/or 400 level from the listing of department courses. Students can choose to take upper-division courses in one of the following three areas of specialization: interpersonal and intercultural communication; mass media and public relations; and rhetoric and public communications. COM 400 may not be used to satisfy the upper-division course requirements.

Student Electives

Course selected in consultation with adviser to meet career objectives (can include a selected minor) 21-24

Total Minimum Credits Required 120

1 Honors College majors and minors may substitute HON 313.
2 Honors College majors and minors may substitute HON 211.

Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

<table>
<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
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<td>Semester One</td>
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<tr>
<td>SPK 208</td>
<td>Public Speaking</td>
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<td>COM 219</td>
<td>Communication Theory</td>
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<td>WRT 120</td>
<td>Effective Writing I</td>
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<td>Language 101</td>
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<tr>
<th>Semester Two</th>
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<tbody>
<tr>
<td>COM 224</td>
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<td>COM 204</td>
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<td>or COM 216</td>
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<td>or COM 212</td>
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<tr>
<td>MAT 103</td>
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<tr>
<td>Language 102</td>
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<th>Semester Three</th>
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<tr>
<td>Choose two COM courses:</td>
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<td>COM 204 Interpersonal Communication or Small Group Communication</td>
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<td>or COM 204 or Mass Communication or COM 216</td>
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<td>Language 201 or Language Culture Cluster</td>
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<td>Gen Ed Distributive or Writing Emphasis</td>
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<td>Apply for formal admission to Communication and Media</td>
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<td>COM upper</td>
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2018-2019 UNDERGRADUATE CATALOG
### Semester Six
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<tr>
<td>COM upper</td>
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### Year Four

#### Semester Seven
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<td>COM upper &amp; writing emphasis</td>
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#### Semester Eight
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<td>Applied Area (Minor)</td>
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**Total Credits:** **120**

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**B.A. IN MEDIA AND CULTURE**

*College of Arts and Humanities*

**Curriculum**

**General Education Requirements**

- English Composition requirements: 6
- Mathematics requirement: 3
- Public Speaking requirement: 3
- Science requirements: 6
- Behavioral & Social Science requirements: 6
- Humanities requirements: 6
- Arts requirement: 3
- Diverse Communities requirement: 3
- Interdisciplinary requirement: 3
- Student electives: 9
- Writing Emphasis requirements: 9

**Language/Culture requirements**

Demonstrating language proficiency through the intermediate level (202) or demonstrating language through the elementary II (102) level of a language and further acquiring a cultural foundation: 3-15

**Major Core Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDC 250 or COM 250 Intercultural Communication</td>
<td>3</td>
</tr>
<tr>
<td>MDC 251 or COM 251 Media Technology</td>
<td>3</td>
</tr>
<tr>
<td>MDC 252 Writing for Broadcast and Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>MDC 253 Media Literacy</td>
<td>3</td>
</tr>
<tr>
<td>MDC 254 or COM 254 Media &amp; Culture Theory</td>
<td>3</td>
</tr>
<tr>
<td>MDC 255 or COM 224 Mass Communication Research Methods</td>
<td>3</td>
</tr>
</tbody>
</table>

**Concentrations** 18

Students will work with their advisors to select six appropriate courses from the three concentration areas: Culture, Production, and Strategic Communication. At least three courses must be from one of the concentrations. The remaining courses can be from that same concentration of either of the other two concentrations.

**Culture Concentration**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDC 314 Games &amp; Culture Theory or COM 314 Games Culture Theory</td>
<td>3</td>
</tr>
<tr>
<td>MDC 316 Mediated Communication: The Internet, Culture, and Society or COM 316 Mediated Communication: The Internet, Culture &amp; Society</td>
<td>3</td>
</tr>
<tr>
<td>MDC 322 Culture and Organizations or COM 322 Culture and Organizations</td>
<td>3</td>
</tr>
<tr>
<td>MDC 350 Advanced Intercultural Communication or COM 350 Advanced Intercultural Communication</td>
<td>3</td>
</tr>
<tr>
<td>MDC 360 African American Culture and Communication or COM 360 African American Culture and Communication</td>
<td>3</td>
</tr>
<tr>
<td>MDC 420 Mass Media &amp; Social Protest or COM 420 Mass Media &amp; Social Protest</td>
<td>3</td>
</tr>
<tr>
<td>MDC 422 Consulting for Careers in Media and Culture or COM 422 Consulting for Careers in Media and Culture</td>
<td>3</td>
</tr>
<tr>
<td>MDC 470 Intercultural Communication Training or COM 470 Intercultural Communication Training</td>
<td>3</td>
</tr>
<tr>
<td>MDC 490 Special Topics Seminar in Culture</td>
<td>3</td>
</tr>
<tr>
<td>MDC 493 Directed Studies in Media and Culture</td>
<td>3</td>
</tr>
</tbody>
</table>

**Production Concentration**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 113 Digital Media</td>
<td>3</td>
</tr>
<tr>
<td>CSW 131 Introduction to Web Design</td>
<td>3</td>
</tr>
<tr>
<td>MDC 203 The Philadelphia Media Experience or COM 203 The Philadelphia Media Experience</td>
<td>3</td>
</tr>
<tr>
<td>MDC 217 Introduction to Video Production or COM 217 Introduction to Video Production</td>
<td>3</td>
</tr>
<tr>
<td>MDC 317 Advanced Video Production or COM 317 Advanced Video Production</td>
<td>3</td>
</tr>
<tr>
<td>MDC 320 Communication on Television and Radio or COM 320 Communication on Television and Radio</td>
<td>3</td>
</tr>
<tr>
<td>HON 320 Honors Seminar: Global Issues</td>
<td>3</td>
</tr>
<tr>
<td>MDC 491 Special Topics Seminar in Production</td>
<td>3</td>
</tr>
<tr>
<td>MDC 493 Directed Studies in Media and Culture</td>
<td>3</td>
</tr>
</tbody>
</table>

**Strategic Communication Concentration**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDC 311 Communication Professions in Sports or COM 311 Communication Professions in Sports</td>
<td>3</td>
</tr>
<tr>
<td>MDC 321 Search Engine Optimization Management or COM 321 Search Engine Optimization Management</td>
<td>3</td>
</tr>
<tr>
<td>MDC 323 Media Audiences or COM 323 Media Audiences</td>
<td>3</td>
</tr>
<tr>
<td>MDC 325 MDC Strategic Social Media or COM 325 Strategic Social Media</td>
<td>3</td>
</tr>
<tr>
<td>MDC 355 Introduction to Public Relations or COM 355 Introduction to Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>MDC 370 Event Production Using Media or COM 370 Event Production Using Media</td>
<td>3</td>
</tr>
<tr>
<td>MDC 421 Content Strategy or COM 421 Content Strategy</td>
<td>3</td>
</tr>
<tr>
<td>MDC 423 Media Campaigns or COM 423 Media Campaigns</td>
<td>3</td>
</tr>
<tr>
<td>MDC 460 Communication and Advertising</td>
<td>3</td>
</tr>
</tbody>
</table>
MINOR IN COMMUNICATION STUDIES

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDC 460</td>
<td>Communication and Advertising</td>
<td></td>
</tr>
<tr>
<td>MDC 492</td>
<td>Special Topics Seminar in Strategic Communication</td>
<td></td>
</tr>
<tr>
<td>MDC 493</td>
<td>Directed Studies in Media and Culture</td>
<td></td>
</tr>
</tbody>
</table>

**Capstone Experience**

3

Students will select from either the Internship Experience in Media & Culture (MDC 494) or the Media Practicum Experience (MDC 495) for their Capstone Experience.

**Student Electives**

Courses selected in consultation with advisor to meet career objectives (can include a selected minor)

21-24

**Total Minimum Credits Required**

120

### Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

#### Course| Title| Credits
---|---|---
**Freshman**
Freshman Fall
MDC 250 | Intercultural Communication | 3
MDC 251 | Media Technology | 3
WRT 120 | Effective Writing I | 3
SPK 208 or SPK 230 | Public Speaking or Business and Professional Speech Communication | 3
Foreign Language 101 | | 3
**Credits** | | 15
**Spring**
MDC 252 | Writing for Broadcast and Public Relations | 3
MAT 103 | Introduction to Mathematics (or above) | 3
WRT 2XX | | 3
Foreign Language 102 | | 3
Gen Ed Course | | 3
**Credits** | | 15
**Sophomore**
**Fall**
MDC 253 | Media Literacy | 3
MDC 254 | Media & Culture Theory | 3
Culture Cluster 1 | | 3
Gen Ed Course | | 3
Gen Ed Course | | 3
**Credits** | | 15
**Spring**
MDC 255 | Mass Communication Research Methods | 3
Culture Cluster 2 | | 3
Gen Ed Course | | 3
Gen Ed Course | | 3
Gen Ed Course | | 3
**Credits** | | 15
**Junior**
**Fall**
MDC Upper Level 1 | | 3

### Minor in Communication Studies

**College of Arts and Humanities**

**Curriculum**

This minor may be taken as one of the minors in the bachelor of arts or bachelor of science in the liberal studies general degree program. Students who wish to minor in communication studies must first gain admission to the minor as indicated in "Program Admission Requirements," by first completing the Prerequisite Core. Students are also required to earn a grade of C or better in WRT 120 and the 200-level composition course (WRT 200, WRT 204, WRT 205, WRT 206, WRT 208, or WRT 220).

**Prerequisite Core**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPK 208</td>
<td>Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>COM 219</td>
<td>Communication Theory</td>
<td>3</td>
</tr>
<tr>
<td>COM 224</td>
<td>Communication Research</td>
<td>3</td>
</tr>
</tbody>
</table>

**Minor Core**

1

Students must complete three courses selected from 300- and 400-level regular course offerings in Communication Studies. Students can choose to take upper-division courses in one of the following three areas of specialization: interpersonal and intercultural communication, mass media and public relations, and rhetoric and public communication.

**Total Minimum Credits Required**

18

1 COM 400 may not be selected to meet the program requirements.
2 A 2.5 GPA must be achieved in the aggregate of minor courses before clearance for graduation with a minor will be granted.
MINOR IN MEDIA AND CULTURE

College of Arts and Humanities

Curriculum

Core

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 250</td>
<td>Intercultural Communication</td>
<td>3</td>
</tr>
<tr>
<td>MDC 251</td>
<td>Media Technology</td>
<td>3</td>
</tr>
<tr>
<td>or COM 251</td>
<td>Media Technology</td>
<td></td>
</tr>
</tbody>
</table>

Elective

Choose one of the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDC 252</td>
<td>Writing for Broadcast and Public Relations</td>
<td></td>
</tr>
<tr>
<td>or COM 252</td>
<td>Media Literacy</td>
<td></td>
</tr>
<tr>
<td>MDC 254</td>
<td>Media &amp; Culture Theory</td>
<td></td>
</tr>
<tr>
<td>or COM 254</td>
<td>Media &amp; Culture Theory</td>
<td></td>
</tr>
</tbody>
</table>

Minor Concentrations

Select 9 credits from the courses listed below. At least two courses must be from one of the concentrations.

Culture Concentration

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 314</td>
<td>Games Culture and Theory</td>
<td></td>
</tr>
<tr>
<td>or MDC 314</td>
<td>Games Culture and Theory</td>
<td></td>
</tr>
<tr>
<td>COM 316</td>
<td>Mediated Communication: The Internet, Culture &amp; Society</td>
<td></td>
</tr>
<tr>
<td>or MDC 316</td>
<td>Mediated Communication: The Internet, Culture &amp; Society</td>
<td></td>
</tr>
<tr>
<td>COM 322</td>
<td>Culture and Organizations</td>
<td></td>
</tr>
<tr>
<td>or MDC 322</td>
<td>Culture and Organizations</td>
<td></td>
</tr>
<tr>
<td>COM 350</td>
<td>Advanced Intercultural Communication</td>
<td></td>
</tr>
<tr>
<td>or MDC 350</td>
<td>Advanced Intercultural Communication</td>
<td></td>
</tr>
<tr>
<td>COM 360</td>
<td>African American Culture and Communication</td>
<td></td>
</tr>
<tr>
<td>or MDC 360</td>
<td>African American Culture and Communication</td>
<td></td>
</tr>
<tr>
<td>COM 420</td>
<td>Mass Media &amp; Social Protest</td>
<td></td>
</tr>
<tr>
<td>or MDC 420</td>
<td>Mass Media &amp; Social Protest</td>
<td></td>
</tr>
<tr>
<td>COM 422</td>
<td>Consulting for Careers in Media and Culture</td>
<td></td>
</tr>
<tr>
<td>or MDC 422</td>
<td>Consulting for Careers in Media and Culture</td>
<td></td>
</tr>
<tr>
<td>COM 470</td>
<td>Intercultural Communication Training</td>
<td></td>
</tr>
<tr>
<td>or MDC 470</td>
<td>Intercultural Communication Training</td>
<td></td>
</tr>
</tbody>
</table>

Production Concentration

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 113</td>
<td>Digital Media</td>
<td></td>
</tr>
<tr>
<td>CSW 131</td>
<td>Introduction to Web Design</td>
<td></td>
</tr>
<tr>
<td>COM 203</td>
<td>The Philadelphia Media Experience</td>
<td></td>
</tr>
<tr>
<td>or MDC 203</td>
<td>The Philadelphia Media Experience</td>
<td></td>
</tr>
<tr>
<td>COM 217</td>
<td>Introduction to Video Production</td>
<td></td>
</tr>
<tr>
<td>or MDC 217</td>
<td>Introduction to Video Production</td>
<td></td>
</tr>
<tr>
<td>COM 317</td>
<td>Advanced Video Production</td>
<td></td>
</tr>
<tr>
<td>or MDC 317</td>
<td>Advanced Video Production</td>
<td></td>
</tr>
<tr>
<td>COM 320</td>
<td>Communication on Television and Radio</td>
<td></td>
</tr>
<tr>
<td>or MDC 320</td>
<td>Communication on Television and Radio</td>
<td></td>
</tr>
<tr>
<td>HON 320</td>
<td>Honors Seminar: Global Issues</td>
<td></td>
</tr>
</tbody>
</table>

Strategic Communication Concentration

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 311</td>
<td>Communication Professions in Sports</td>
<td></td>
</tr>
<tr>
<td>or MDC 311</td>
<td>Communication Professions in Sports</td>
<td></td>
</tr>
<tr>
<td>COM 321</td>
<td>Search Engine Optimization Management</td>
<td></td>
</tr>
<tr>
<td>or MDC 321</td>
<td>Search Engine Optimization Management</td>
<td></td>
</tr>
<tr>
<td>COM 323</td>
<td>Media Audiences</td>
<td></td>
</tr>
<tr>
<td>or MDC 323</td>
<td>Media Audiences</td>
<td></td>
</tr>
<tr>
<td>COM 325</td>
<td>Strategic Social Media</td>
<td></td>
</tr>
<tr>
<td>or MDC 325</td>
<td>MDC Strategic Social Media</td>
<td></td>
</tr>
</tbody>
</table>

Total Minimum Credits Required: 18

1. Must achieve a C or higher in all courses counting toward the minor.
2. The third course can be from that same concentration or any of the other two concentrations.

DEPARTMENT OF COMMUNICATION SCIENCES AND DISORDERS

College of Health Sciences

201 Carter Drive
610-436-3401

Department of Communication Sciences and Disorders (http://www.wcupa.edu/communicationSciencesDisorders)
Cheryl D. Gunter (cgunter@wcupa.edu), Chairperson

The Department of Communication Sciences and Disorders offers a program leading to a B.A. in Communication Sciences and Disorders. It is a pre-professional program that provides students with basic knowledge of human communication and communication disorders in preparation for graduate study in audiology, speech-language pathology, speech and hearing science, or related health science or communication fields.

Students will be provided with the opportunity to complete the undergraduate preparation that is applicable to the requirements for the Certificate of Clinical Competence (CCC) from the American Speech-Language–Hearing Association (ASHA).

The department operates a Speech and Hearing Clinic that serves as a teaching and training facility for the academic program. The clinic provides consultation, evaluation, and intervention services for children and adults with speech, language, and hearing disorders. These services are available to individuals from the University as well as from the surrounding communities.

Programs

MAJORS IN COMMUNICATION SCIENCES AND DISORDERS

B.A. in Communication Sciences and Disorders (p. 225)

GRADUATE OPPORTUNITIES

See the graduate catalog for more information on the Communication Sciences and Disorders programs. (http://catalog.wcupa.edu/graduate/health-sciences/communication-sciences-disorders)

POLICIES

- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When
applicable, additional policies for specific department programs may be listed below.

Academic Policies

- **Restrictive Major Requirement**
  - To remain in the major or to transfer into the major, students must complete the following prerequisite courses with a cumulative GPA of at least 3.0 and a minimum grade of C or better in each course: ENG 230/LIN 230; any MAT, 103 or above (with the exception of MAT 121); CSD 101, CSD 106, CSD 203, CSD 207; any 100-level WRT, and any 200-level WRT. MAT 121 does not count toward the general education requirements of this major. Students may not use more than a total of three repeats across the CSD courses to satisfy the restrictive major requirement (CSD 101, CSD 106, CSD 203, and CSD 207).

- **Letter Grade Requirement**
  - Grades of C-, D, or F earned in major (CSD) courses must be raised to C or better. A major course in which a student earns a grade of C-, D, or F must be repeated the next time the course is offered (provided space availability exists). If a student earns less than a C in a major course that is a prerequisite for a more advanced course, the student will not be permitted to enroll in the advanced course until the prerequisite course is repeated with a grade of C or better.

- **GPA Requirement**
  - A minimum 2.5 cumulative GPA and 2.5 GPA in the major courses are required for all communication sciences and disorders majors to complete the degree program.

Faculty

**Professors**

Cheryl D. Gunter (cgunter@wcupa.edu) (1999)
Chairperson, Communication Sciences and Disorders
B.A., University of Tennessee; M.A., University of Memphis; Ph.D., University of Texas - Austin

Mareile A. Koenig (mkoenig@wcupa.edu) (1990)
Graduate Coordinator, Communication Sciences and Disorders
B.S., M.S., Southern Illinois University; Ph.D., University of Illinois

**Associate Professors**

Elizabeth U. Grillo (egrillo@wcupa.edu) (2006)
B.M., Indiana University; M.S., Columbia University’s Teachers College; Ph.D., University of Pittsburgh

Sojung Kim (skim@wcupa.edu) (2011)
B.A., Sung Kyun Kwan University (South Korea); M.A., Ohio University; Ph.D., Arizona State University

Jennifer W. Means (jmeans@wcupa.edu) (2004)
B.S., M.A., West Chester University; SLP.D., Nova Southeastern University

Patricia Swasey Washington (pswasey@wcupa.edu) (2009)
B.A., Rutgers University Douglass College; M.A., William Paterson University; Ph.D., Temple University

**Assistant Professors**

Ana M. Rivera Rodriguez (arivera2@wcupa.edu) (2017)
B.A., M.A., University of Central Florida; Ph.D., University of Florida

Aaron Roman (aroman@wcupa.edu) (2017)
B.A., M.A., Au.D., University of Pittsburgh

Jie Yang (jyang@wcupa.edu) (2018)
B.A., Central South University (China); M.A., Hunan University (China); Ph.D., University of Texas-Austin

Courses

**CSD**

**CSD 101. Introduction to Communicative Disorders. 3 Credits.**
An introductory survey of normal processes and disorders of speech, language, and hearing. Suitable for nonmajors.
Distance education offering may be available.

**CSD 106. Anatomy of Speech and Hearing Mechanisms. 3 Credits.**
A study of the anatomy and physiology of structures and systems associated with the speech and hearing mechanisms.
Pre / Co requisites: CSD 106 requires prerequisite of CSD 101.
Distance education offering may be available.
Typically offered in Fall & Spring.

**CSD 110. American Sign Language I. 3 Credits.**
This is the first in a sequence of 4 American Sign Language courses. Students in this course will develop a fundamental vocabulary and understanding of American Sign Language. You will recognize, comprehend, apply, and demonstrate culturally appropriate linguistic behaviors (vocabulary selection, grammar usage, turn-taking skills, feedback signals, eye-gaze, etc.) in order to communicate with other students and signers. In addition, information will be provided about deaf culture, general impact, barriers and opportunities related to hearing loss and Deaf Gain.
Typically offered in Fall & Spring.
Cross listed courses CSD 110, ASL 110.

**CSD 111. American Sign Language II. 3 Credits.**
This is the second of 4 courses in the ASL foreign language option. In this course students will increase communication skills; develop conversational skills in ASL. The students in this course will also continue to expand their knowledge of Deaf culture by being provided with a better understanding of cultural values and behavioral roles of the Deaf community on the U.S. This course includes receptive and expressive activities, sign vocabulary, grammatical structure, receptive and expressive finger spelling, and facial expressions and body language.
Pre / Co requisites: CSD 111 requires prerequisite of CSD 110.
Typically offered in Spring.
Cross listed courses CSD 111, ASL 111.

**CSD 163. Seminar I in Communicative Disorders. 0.5 Credits.**
The seminar is designed to help integrate experiential and theoretical information. The seminar will focus on career/professional awareness, orientation to the department, and individual studies.
Consent: Permission of the Department required to add.
Distance education offering may be available.
Typically offered in Fall.

**CSD 166. Seminar II in Communicative Disorders. 0.5 Credits.**
The seminar is designed to help integrate experiential and theoretical information. The seminar will focus on personal adjustment, assertiveness, and active listening.
Pre / Co requisites: CSD 166 requires a prerequisite of majors only.
Distance education offering may be available.
Typically offered in Spring.

**CSD 203. Speech and Hearing Science. 3 Credits.**
This course presents students with the fundamental knowledge of acoustics related to speech production and speech perception. It also provides an opportunity for students to engage in laboratory experiences related to acoustic and psychoacoustic measurement.
Pre / Co requisites: CSD 203 prerequisite requires CSD 101 with a “C” or better.
Distance education offering may be available.

**CSD 204. Speech and Language Development. 3 Credits.**
Examination of normal communication development: biological, cognitive, social, and ecological bases of language. Developmental milestones from prelinguistic communication to oral language and literacy. Normal variations in development associated with cultural diversity and bilingualism.
Pre / Co requisites: CSD 204 requires prerequisites of CSD 101 with a grade of “C” or better and ENG 230 or UN 230.
Gen Ed Attribute: Writing Emphasis.
Distance education offering may be available.
CSD 207. Introduction to Phonetics. 3 Credits.
Introduction to the International Phonetic Alphabet and its use in transcribing normal and disordered speech. Emphasis is placed on broad and narrow transcription skills.
Pre / Co requisites: CSD 207 must be taken with a C or better.

CSD 208. Neurology of Speech & Hearing. 3 Credits.
A study of neuroanatomy and neurophysiology of the speech and hearing mechanism.
Pre / Co requisites: CSD 208 requires prerequisites of CSD 101 and CSD 106.
Distance education offering may be available.

CSD 210. Intermediate American Sign Language I. 3 Credits.
This course is the third in a sequence of 4 ASL courses. In this class you will build on what was learned in ASL/CSD 110 11, continuing to emphasize the development of proper ASL grammar, syntax and vocabulary with emphasis on conversation and narration/storytelling. Vocabulary-building and mastery of grammar will be through rigorous receptive and expressive language activities. Topics discussed in ASL include the location and description of items in rooms and buildings, complaints, making suggestions, and making requests. Exposure to and knowledge of deaf culture is an integral part of the course.
Pre / Co requisites: CSD 210 requires a prerequisite of CSD 111 or ASL 111.
Typically offered in Fall.

CSD 211. Intermediate American Sign Language II. 3 Credits.
This is the final of a 4 course sequence in ASL. This course provides students with opportunities to expand their sign production and comprehension skills in ASL. Students continue to expand their awareness of ASL conventions, grammar and vocabulary, including an extensive review of topical signs and idioms. Students develop a greater competency in their receptive understanding of connected ASL discourse and in their expression of extended ideas, concepts, and stories in ASL. Their expressive competency in discussion of ideas includes an expression of their understanding of deaf culture. Students continue the growth of their technical awareness of Deaf culture and ASL linguistics.
Pre / Co requisites: CSD 211 requires a prerequisite of CSD 210 or ASL 210.
Typically offered in Fall & Spring.
Cross listed courses ASL 211, CSD 211.

CSD 240. Development and Disorders of Language. 3 Credits.
An examination of normal language development and its psycholinguistic, neurological, and social dimensions. Special education considerations for children with language disorders. CSD 101 is recommended. Suitable for non majors.

CSD 266. Seminar III In Communicative Disorders. 0.5 Credits.
The seminar is designed to help integrate experiential and theoretical information. The seminar will focus on implications of disabilities and on cultural diversity.
Pre / Co requisites: CSD 266 requires a prerequisite of CSD 210 only.
Consent: Permission of the Department required to add.
Distance education offering may be available.
Typically offered in Spring.

CSD 270. Introduction to Augmentative and Alternative Communication. 3 Credits.
The course is designed to introduce undergraduate students to a variety of augmentative and alternative communication (AAC) strategies (e.g., high-technology devices such as speech-generating computers and software programs and low-technology systems such as picture exchange communication) for people with communication disorders. Students will explore the Total Communication approach - an approach to Deaf education that includes a number of modes of communication such as signed, oral, auditory, written and visual aids - for interacting with individuals who have complex communication needs.
Gen Ed Attribute: Diversity Requirement.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

CSD 329. Speech & Voice Disorders. 3 Credits.
The symptomatology, etiology, assessment, and treatment of communicative disorders associated with speech and voice.
Pre / Co requisites: CSD 329 requires prerequisites of CSD 101, CSD 106, CSD 203, CSD 204, and CSD 207.

CSD 333. Language Disorders. 3 Credits.
Clinical management issues associated with developmental and acquired language disorders in children and adults. Linguistic patterns observed in the performance of individuals with various etiological conditions (e.g., mental retardation, autism, hearing loss, neurological impairment, craniofacial anomalies, learning disability). Factors indicating risk for and maintenance of language disorders. Protocols for evaluation and treatment indicated by developmental theories, processing models, and sensitivity to normal variations among culturally diverse populations.
Pre / Co requisites: CSD 333 requires prerequisite of CSD 204.
Consent: Permission of the Department required to add.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

CSD 346. Hearing Disorders. 3 Credits.
An introduction to audiology and its relationship to other medical and educational fields concerned with hearing impairments. Developmental, medical, social, physical, and psychological properties of hearing and sound are explored. Evaluative techniques are introduced with opportunity for limited practical experience.
Pre / Co requisites: CSD 346 requires prerequisites of CSD 106 and CSD 203 (Majors only)

CSD 348. Hearing Disorders Laboratory. 1 Credit.
Laboratory experiences to become familiar with most common hearing testing and remediation equipment.

CSD 350. Clinical Principles in Communicative Disorders. 3 Credits.
A study of evaluative and therapeutic materials and methods applicable to the professional setting.
Pre / Co requisites: CSD 350 requires prerequisites of CSD 329 and CSD 333.
Gen Ed Attribute: Writing Emphasis.

CSD 363. Seminar IV in Communicative Disorders. 0.5 Credits.
The seminar is designed to help integrate experiential and theoretical information, focusing on principles and applications of counseling.
Distance education offering may be available.
Typically offered in Fall.

CSD 366. Seminar V In Communicative Disorders. 0.5 Credits.
The seminar is designed to help integrate experiential and theoretical information, focusing on professional resources and the legal, ethical, and political responsibilities of the professional.
Pre / Co requisites: CSD 366 requires prerequisite of CSD 336 and CSD 336.
Distance education offering may be available.

CSD 410. Independent Study. 1-3 Credits.
Research, creative projects, reports, and readings in speech pathology and audiology. Application must be made to advisers by students one semester in advance of registration.
Consent: Permission of the Department required to add.
Repeatable for Credit.

CSD 463. Seminar VI in Communicative Disorders. 0.5 Credits.
The seminar is designed to help integrate experiential and theoretical information, focusing on employment opportunities and graduate education.
Distance education offering may be available.
Typically offered in Fall.

CSD 498. Workshop In Communicative Disorders. 3 Credits.
Contact department for more information about this course.
Repeatable for Credit.

B.A. IN COMMUNICATION SCIENCES AND DISORDERS

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Public Speaking Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Science Requirements</td>
<td>6</td>
</tr>
<tr>
<td>Behavioral &amp; Social Science</td>
<td>6</td>
</tr>
</tbody>
</table>

College of Health Sciences
**Humanities requirements**  6  
**Arts requirement**  3  
**Diverse Communities requirement**  3  
**Interdisciplinary requirement**  3  
**Student Electives**  9  
**Writing Emphasis requirements**  9  

**Language and Culture**  
*Select 3-15 semester hours*  3-15  

**Related Areas**  
*These courses are to be selected under advisement from a department-approved list.*  18  

**Major Requirements**  
CSD 101  Introduction to Communicative Disorders  3  
CSD 106  Anatomy of Speech and Hearing Mechanisms  3  
CSD 163  Seminar I in Communicative Disorders  0.5  
CSD 166  Seminar II in Communicative Disorders  0.5  
CSD 203  Speech and Hearing Science  3  
CSD 204  Speech and Language Development  3  
CSD 207  Introduction to Phonetics  3  
CSD 208  Neurology of Speech & Hearing  3  
CSD 266  Seminar III in Communicative Disorders  0.5  
CSD 329  Speech & Voice Disorders  3  
CSD 333  Language Disorders  3  
CSD 346  Hearing Disorders  3  
CSD 348  Hearing Disorders Laboratory  1  
CSD 350  Clinical Principles in Communicative Disorders  3  
CSD 363  Seminar IV in Communicative Disorders  0.5  
CSD 366  Seminar V in Communicative Disorders  0.5  
CSD 463  Seminar VI in Communicative Disorders  0.5  

**Electives**  
*Select elective courses to meet the 120 total credits required for graduation.*  

**Total Minimum Credits Required**  120  

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### Programs

**Majors in Computer Science**  
- B.S. in Computer Science (p. 229)  
- B.S. in Computer Science to M.S. in Computer Science Accelerated Program (p. 229)  

**Minors in Computer Science**  
- Computer Science (p. 230)  
- Information Technology (p. 230)  
- Web Technology and Applications (p. 231)  

**Certificates in Computer Science**  
- Computer Security (p. 231)  

**Graduate Opportunities**  
See the graduate catalog for more information on the Computer Science programs. (http://catalog.wcupa.edu/graduate/sciences-mathematics/computer-science)  

**Policies**  
- See undergraduate admissions information. (p. 11)  
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)  

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.  

**Special Entrance Requirements**  
Students who enter WCU as freshman computer science majors should meet the following high school criteria:  
- Rank in the top two-fifths of graduating class  
- Pass Algebra I, Algebra II/trigonometry, geometry, and a senior-year math course  
- Earn a math SAT original score of 530 (or recentered score of 550) or better  
- Earn a combined SAT original score of 950 (or recentered score of 1020) or better  

**Accelerated Program Policy**  
Refer to the Accelerated Programs Policy (p. 129) for more information.  

**Advanced Placement Credit**  
The following guidelines will be used to determine college credit when evaluating Advanced Placement scores in computer science.  

<table>
<thead>
<tr>
<th>Year</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tr>
</tbody>
</table>

**Minimum Grades**  
Minimum grades to enter major and to graduate: C- in CSC, MAT, and other cognate courses; 2.5 GPA in CSC courses; 2.0 GPA in MAT courses; and a grade of C- or better for both CSC 141 and CSC 142. This policy does not apply to courses that are taken as free electives. Entering majors must have completed CSC 141-CSC 142 and two of MAT 121, MAT 151, MAT 161.  

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**DEPARTMENT OF COMPUTER SCIENCE**  

**College of the Sciences and Mathematics**  
25 University Avenue, Room 150  
610-436-2204  
Department of Computer Science (http://www.wcupa.edu/computerScience)  
James D. Fabrey (jfabrey@wcupa.edu), Chairperson  
Richard Burns (rburns@wcupa.edu), Assistant Chairperson  

The Department of Computer Science offers a program leading to the Bachelor of Science degree. Students also can select courses leading to a computer security certificate. The B.S. in Computer Science prepares the student for a career in the field of computer science and its applications, such as security, and/or additional study in computer science at the graduate level. Students can gain valuable on-the-job experience through an internship program with local industry or business. Normally, the computer science degree requires attendance during eight academic semesters. It is important that each student consults with his/her advisor to ensure that all requirements are being met.
CSC 110. Fundamentals in Computer Science. 3 Credits.
Introduction to the fundamentals of computing. Topics include surveys of the following sub-areas of computer science: artificial intelligence, hardware/operating systems, programming languages/software, ethics/social issues, history, electronic communications, problem solving, and programming. The course includes laboratory projects in application software, programming, and electronic communication, as well as a report on one of the first four areas above.
Gen Ed Attribute: Science Distributive Requirement.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

CSC 115. Introduction to Computer Programming. 3 Credits.
The art and science of computing are introduced using a structured programming language, such as Visual BASIC. Topics include looping, branching, arrays, and program development.
Gen Ed Attribute: Science Distributive Requirement.
Typically offered in Fall, Spring & Summer.

CSC 141. Computer Science I. 3 Credits.
An introduction to programming using Java. Topics covered include basic program layout, primitive data types and strings, control structures (loops and decisions) methods, parameters, and text file input/output.
Gen Ed Attribute: Science Distributive Requirement.
Typically offered in Fall, Spring & Summer.

CSC 142. Computer Science II. 3 Credits.
This course introduces the design and implementation of classes and objects, arrays using primitive types and Strings, array of objects, sorting and searching through arrays, recursion, aggregate objects and an introduction to graphical User Interfaces (GUIs).
Pre / Co requisites: CSC 142 requires prerequisite of CSC 141.
Typically offered in Fall & Spring.

CSC 200. Foundations of Computer Science. 3 Credits.
Topics include regular and context free grammars and languages, computational logic, finite state machines, and parsing.
Pre / Co requisites: CSC 200 requires prerequisites of MAT 151 and MAT 161.
Typically offered in Fall & Spring.

CSC 220. Foundations of Computer Science. 3 Credits.
This course focuses on more advanced topics in object-oriented programming, including project design, planning, and testing using milestones and checklists. Programming topics include text processing (including String, and String classes), inheritance, polymorphism, abstract classes, interfaces, generic classes, exception classes, exception throwing and handling, random access files, serialization and an introduction to some basic data structures, such as collection classes and linked lists.
Typically offered in Fall & Spring.

CSC 240. Computer Science III. 3 Credits.
This course teaches introductory topics in computer architecture and hardware design as well as the basics of assembly language. Software is provided to assemble, run, and debug assembly language programs. Additionally, a Compiler demonstrates a realistic usage of pointers, and bitwise operations of assembly language.
Pre / Co requisites: CSC 240 requires prerequisites of CSC 230 and MAT 151, MAT 161.
Typically offered in Fall & Spring.

CSC 241. Data Structures & Algorithms. 3 Credits.
Data structures and related algorithms are studied using object-oriented programming, such as Java. Topics include data abstraction, recursion, lists, stacks, queues, linked lists, trees, hashing, searching and sorting algorithms, and the evaluation of algorithm efficiency.
Pre / Co requisites: CSC 241 requires prerequisites of CSC 240 and MAT 151, MAT 161.
Typically offered in Fall & Spring.

CSC 242. Computer Organization. 3 Credits.
This course teaches introductory topics in computer architecture and hardware design as well as the basics of assembly language. Software is provided to assemble, run, and debug assembly language programs. Additionally, a Compiler demonstrates a realistic usage of pointers, and bitwise operations of assembly language.
Pre / Co requisites: CSC 242 requires prerequisites of CSC 142 and MAT 151.
Distance education offering may be available.
Typically offered in Fall & Spring.

CSC 300. Cooperative Programming. 3 Credits.
The student works for an organization involved in the computer field. The student may work in various areas of the discipline such as programming, networking, or customer support.
Pre / Co requisites: CSC 300 requires prerequisites of CSC 141 and CSC 142 and CSC 240 and CSC 241 and MAT 151 and MAT 161.
Typically offered in Fall, Spring & Summer.

CSC 301. Computer Security I. 3 Credits.
An introduction to Computer Security and the ethical underpinnings of security. The basic objectives of creating a secure system, attack methods and defenses are discussed.
Pre / Co requisites: CSC 301 requires a prerequisite of CSC 240.
Typically offered in Fall & Spring.

CSC 302. Computer Security II. 3 Credits.
Principles and current technological developments in computer security - a continuation of Computer Security I. Topics include: security requirements, attack models, cryptography, authentication, and system security. Students will also learn practical knowledge through hands-on lab experience.
Pre / Co requisites: CSC 302 requires successful completion of CSC 301.
Typically offered in Spring.

CSC 317. Visual Programming. 3 Credits.
Principles of visual programming. A second computer language (Visual Basic) is utilized, and a major theme, such as steganography or video games, is covered. Students must write two major projects of significant complexity.
Pre / Co requisites: CSC 317 requires a prerequisite of CSC 240.
Typically offered in Spring.

CSC 321. Data Base Management Systems. 3 Credits.
Characteristics of generalized database management systems. Surveys of different database models that are currently used. The design and implementation of a database system.
Pre / Co requisites: CSC 321 requires prerequisites of CSC 142 and CSC 241.
Typically offered in Spring.
CSC 331. Operating Systems. 3 Credits.
This course is a general survey of elements of operating systems with in-depth studies of certain features of specific operating systems. Elements of concurrent programming are studied, such as the mutual exclusion problem, semaphores, and monitors. Additionally, the following topics are covered: priority scheduling and deadlock avoidance; memory management issues such as paging and segmentation; organization and protection of file systems.
Pre / Co requisites: CSC 331 requires prerequisites of CSC 220 and CSC 240 and CSC 241 and CSC 242.
Typically offered in Fall.

CSC 335. Data Communications and Networking I. 3 Credits.
An overview of the various aspects of modern data and telecommunications. Discussion of the hardware and software facets of the transmission of information in the forms of voice, data, text, and image. Topics include communication protocols, transmission technologies, analog/ digital transmission, communications media, public data networks, LANs, and ISDN.
Pre / Co requisites: CSC 335 requires prerequisites of CSC 240 and CSC 241.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

CSC 336. Data Communications and Networking II. 3 Credits.
An in-depth study of various aspects of modern data communication systems. Discussion of serial port communications, network performance and design, and Internet protocols. Topics include PC serial port hardware (RS-232, UART) and software (XMODEM protocol), queuing theory, X.25, frame relay, SMDS, BISDN, ATM, TCP/IP, sockets and Internet applications.
Pre / Co requisites: CSC 336 requires prerequisite of CSC 335.
Typically offered in Spring.

CSC 345. Programming Language Concepts/Paradigms. 3 Credits.
An examination of the conceptual underpinning of programming languages and of the paradigms into which they fall. Topics will be drawn from those comprising the field of programming language such as abstraction, bindings, concurrency, design, encapsulation, history, representation, storage, and types. Programming projects will focus on languages within the functional, declarative, and object-oriented paradigms: such as Common Lisp, ML, Prolog, CLOS; rather than the familiar imperative paradigm.
Pre / Co requisites: CSC 345 requires prerequisite of CSC 335.
Typically offered in Fall.

CSC 400. Internship. 6 Credits.
The student works in the area of computer science that is his or her specialty.
Pre / Co requisites: CSC 400 requires prerequisites of CSC 141 and CSC 142 and CSC 240 and CSC 241 and MAT 151 and MAT 161.
Consent: Permission of the Department required to add.
Typically offered in Fall, Spring & Summer.

CSC 402. Software Engineering. 3 Credits.
This course explores a variety of processes for developing software, including the PSP from the Software Engineering Institute, the SEI's CMMI, and agile processes, including eXtreme Programming and Scrum. A special emphasis is on how software processes can be designed to help software engineers to develop more secure code. Ethical, professional and workplace issues are also covered, as well as strategies for testing software in PSP and agile environments. Teamwork is an important element in this course, and the team work on developing a documented software process for their company.
Pre / Co requisites: CSC 402 requires prerequisite of CSC 241.
Typically offered in Fall & Spring.

CSC 404. Software Engineering & Testing. 3 Credits.
This course consists of two components: software engineering and software testing. Software testing is a critical phase in the software development life cycle for the quality assurance of software. This course will take a practitioner's approach. Students will use hands-on labs to learn Node.js when we cover the principles of software testing. Testing theory topics may include: Math for testing engineers (discrete math, graph theory). Testing Categories (unit testing, integration testing, system testing, load testing, functional testing, and retrospective testing), Testing Approaches (white-box testing, black-box testing), and Testing Methodologies (boundary value testing, domain testing, equivalence class testing, decision-table-based testing, path testing, and data flow testing).
Pre / Co requisites: CSC 404 requires prerequisite of CSC 402.
Typically offered in Spring.

CSC 416. Design/Construction Compilers. 3 Credits.
Covers the basic topics in compiler design including lexical analysis, syntax analysis, error handling, symbol tables, intermediate code generation, and some optimization. Programming assignments will build various pieces of a compiler for a small language.
Pre / Co requisites: CSC 416 requires prerequisites of CSC 220 and CSC 240 and CSC 241 and CSC 242.
Typically offered in Fall.

CSC 417. User Interfaces. 3 Credits.
This course deals with database-driven graphical user interface applications. The Model-View-Controller software paradigm is used as a guiding principle for the applications developed. The course features applications using Java-based components as well as web-based components with a modern server-side scripting language such as PHP. Most of the course work is based on developing a complex, large scale web database system with the goal of implementing this system within a web application framework.
Pre / Co requisites: CSC 417 requires prerequisites of CSC 241.
Typically offered in Spring.

CSC 476. Game Development. 3 Credits.
This project-based course is concerned with game development and scripting using a modern game engine, such as Unity, with a modern programming language, such as C#. Topics include coding standards, design principles, debugging, game loops, physics engines, lighting, meshes, colliders, databases for persisting data, game lobbies, networked multiplayer games, and building for multiple resolutions and platforms. Individual and team-based assignments will utilize version control.
Pre / Co requisites: CSC 476 requires prerequisite of CSC 241.
Typically offered in Fall.

CSC 481. Artificial Intelligence. 3 Credits.
Artificial Intelligence (AI) is concerned with the replication or simulation on a machine of the complex behaviors associated with intelligence. Topics will be drawn from any of those comprising the field of AI such as agent architectures, automatic truth maintenance, constraint satisfaction, expert systems, fuzzy logic, games, genetic algorithms, knowledge representation, machine learning, neural networks and connectionism, natural language processing, planning, reasoning, robotics, search, theorem proving, and vision. Projects requiring coding will focus on an AI language such as Common Lisp or Prolog.
Pre / Co requisites: CSC 481 requires prerequisites of CSC 220 and CSC 241.
Typically offered in Fall.

CSC 490. Independent Project in Computer Science. 3 Credits.
The student designs and implements a software system. Project problems are drawn from local industry and university departments. A computer science faculty member supervises each project.
Consent: Permission of the Department required to add.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall, Spring & Summer.
Repeatable for Credit.

CSC 495. Topics in Computer Science. 3 Credits.
Topic announced at time of offering.
Consent: Permission of the Department required to add.
Typically offered in Summer.
Repeatable for Credit.

CSC 496. Topics in Complex Large-Scale Systems. 3 Credits.
Topics in large scale systems. Topics announced at the time of offering.
Typically offered in Fall.
Repeatable for Credit.

CSC 499. Independent Study in Computer Science. 3 Credits.
In conjunction with the instructor, the student selects study topics via literature search. Consent: Permission of the Department required to add.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall, Spring & Summer.
Repeatable for Credit.

CST
CST 199. Transfer Credits. 1-9 Credits.
Transfer Credits.
Typically offered in Fall, Spring & Summer.
Repeatable for Credit.
## CST 211. Security and Ethics in IT. 3 Credits.
This course introduces fundamental security issues in Information Technology.

## CST 221. Database Systems. 3 Credits.
This course introduces students to the role of databases in information technology. Typically offered in Fall.

## CST 235. Network and System Administration. 3 Credits.
This course is an entry level course that serves as an introduction to network technologies (computer and cellular networks, the Internet, the Internet of Things, etc.). It requires a minimum level of programming and math. The objective of this course is to provide a broad overview of networking technologies with a focus on the TCP/IP model and includes Cisco device related labs. The course introduces concepts in data communications, Internet technologies and basic system performance analysis. Concepts covered included TCP/IP, LANs, WANs, internetworking, signals, communications media, routers, and switches. Distance education offering may be available. Typically offered in Fall, Spring & Summer.

## CSW

### CSW 101. Introduction to Computers. 3 Credits.
A course for nonmajors dealing with what computers are, what they can do, and how they are used. A brief history of computers and the societal implications of computer usage. A brief introduction to the Internet is provided along with hands-on experience using word processing, database, and spreadsheet software.

### CSW 116. Computer Programming Laboratory. 3 Credits.
This is a special winter session course introducing foundations of Computer Science, with the goal of prompting student's interest and programming skills. Topics include, but not limited to: data processing and analysis, UML design, Visual Basic programming, Database system, network system, etc.

### CSW 131. Introduction to Web Design. 3 Credits.
This course will cover HTML and introductory JavaScript programming to provide students with a basic technology skill set for pursuing other topics in Web technology. Use of some simple Web authoring and graphics packages, but a focus on the structure and semantics of HTML and JavaScript. One of three core requirement courses for the Web technology and applications minor.

Typically offered in Fall, Spring & Summer.

### CSW 199. Computer Science Transfer Elective. 1-15 Credits.
Transfer Credits.

Typically offered in Fall, Spring & Summer. Repeatable for Credit.

### CSW 315. Introduction to Web Programming. 3 Credits.
This course will cover: HTML and introductory JavaScript programming, provide students with a basic technology skill set, pursue topics in Web technology, use of some simple Web authoring and graphics packages, but a focus on the structure and semantics of HTML and JavaScript. One of three core requirement courses for the Web technology and applications minor.

Typically offered in Fall & Spring.

## B.S. IN COMPUTER SCIENCE

### Curriculum

#### General Education Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition requirements</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics requirement</td>
<td>3</td>
</tr>
<tr>
<td>MAT 151 Introduction to Discrete Mathematics</td>
<td></td>
</tr>
<tr>
<td>Public Speaking requirement</td>
<td>3</td>
</tr>
<tr>
<td>SPK 208 Public Speaking</td>
<td></td>
</tr>
<tr>
<td>or SPK 230 Business and Professional Speech Communication</td>
<td></td>
</tr>
<tr>
<td>Science requirements</td>
<td>6</td>
</tr>
<tr>
<td>Behavioral &amp; Social Science requirements</td>
<td>6</td>
</tr>
<tr>
<td>Humanities requirements</td>
<td>6</td>
</tr>
<tr>
<td>Arts requirement</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Diverse Communities requirement                                         | 3       |
#### Interdisciplinary requirement                                            | 3       |
#### Writing Emphasis requirements                                            | 9       |
#### Student Electives                                                        | 9       |

### Major Requirements

#### Mathematics

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 121</td>
<td>Introduction to Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>MAT 151</td>
<td>Introduction to Discrete Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MAT 161</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>STA 200</td>
<td>Introduction to Statistics II</td>
<td>3</td>
</tr>
<tr>
<td>or MAT 162</td>
<td>Calculus II</td>
<td></td>
</tr>
</tbody>
</table>

#### Communications

<table>
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<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPK 208</td>
<td>Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>or SPK 230</td>
<td>Business and Professional Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td>or EN 368</td>
<td>Business and Organizational Writing</td>
<td>3</td>
</tr>
<tr>
<td>or EN 371</td>
<td>Technical Writing</td>
<td></td>
</tr>
</tbody>
</table>

#### Science

- General Education Science courses (distributive & interdisciplinary) may be used here. Additional higher-level mathematics courses may substitute here.

#### Computer Science Core

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 141</td>
<td>Computer Science I</td>
<td>3</td>
</tr>
<tr>
<td>CSC 142</td>
<td>Computer Science II</td>
<td>3</td>
</tr>
<tr>
<td>CSC 220</td>
<td>Foundations of Computer Science</td>
<td>3</td>
</tr>
<tr>
<td>CSC 240</td>
<td>Computer Science III</td>
<td>3</td>
</tr>
<tr>
<td>CSC 241</td>
<td>Data Structures &amp; Algorithms</td>
<td>3</td>
</tr>
<tr>
<td>CSC 242</td>
<td>Computer Organization</td>
<td>3</td>
</tr>
<tr>
<td>CSC 301</td>
<td>Computer Security I</td>
<td>3</td>
</tr>
<tr>
<td>CSC 345</td>
<td>Programming Language Concepts/Paradigms</td>
<td>3</td>
</tr>
<tr>
<td>CSC 402</td>
<td>Software Engineering</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Complex Large-Scale Systems Courses

Select one of the following:

- CSC 416 Design/Construction Compilers
- CSC 417 User Interfaces
- CSC 476 Game Development
- CSC 496 Topics in Complex Large-Scale Systems

#### Computer Science 300-/400-Level Electives

A minimum of 6 credits of 400-level courses is required. 3 credits of the 6-credit internship (CSC 400) can be used here.

### Total Minimum Credits Required

120

### Accelerated B.S. in Computer Science to M.S. in Computer Science Program

Students may substitute up to 4 M.S. Computer Science electives for B.S. Computer Science electives, excluding the combinations noted.

Select up to 4 graduate Computer Science electives to satisfy undergraduate elective requirements:

- CSC 525 Operating Systems
- CSC 535 Networks and Data Communication
- CSC 545 Database Systems Concepts
- CSC 565 Compiler Design
- CSC 575 Artificial Intelligence
- CSC 581 Topics in Computer Science
- CSC 582 Topics in Information Systems
- CSC 583 Topics in Computer Security
- CSC 584 Topics in Web Technology
- CSC 585 User Interface in Java
- CSC 586 System Administration and Security
Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

### Year One

#### Semester One
- **CSC 141** Computer Science I 3
- MAT Course 1 3
- **WRT 120** Effective Writing I 3
- Behavioral / Social Science Course 3
- Humanities Course 3
  **Credits** 15

#### Semester Two
- **CSC 142** Computer Science II 3
- MAT Course 1 3
- **WRT 2XX** 3
- Behavioral / Social Science Course 3
- Humanities Course 3
  **Credits** 15

### Year Two

#### Semester Three
- **CSC 240** Computer Science III 3
- MAT Course 1 3
- General Education Science Course 3
- **SPK 208** or **SPK 230** 3
- Public Speaking
  or Business and Professional Speech Communication
- Arts Course 3
  **Credits** 15

#### Semester Four
- **CSC 241** Data Structures & Algorithms 3
- MAT Course 1 3
- General Education Science Course 3
- Interdisciplinary Course 3
- Free Elective 3
  **Credits** 15

### Year Three

#### Semester Five
- **CSC 242** Computer Organization 3
- MAT Course or Free Elective 1 3
- Science Course for Major 3

1 Additional CSC 500-600 level courses will be considered under advisement.

### Year Four

#### Semester Seven
- **CSC 345** Programming Language Concepts/ Paradigms 3
- Science Course for Major 3
- CSC Advanced Elective 2 3
- CSC Advanced Elective 2 3
- Free Elective 3
  **Credits** 15

#### Semester Eight
- CSC Advanced Elective 2 3
- CSC Advanced Elective 2 3
- CSC Advanced Elective 2 3
- CSC Advanced Elective 2 3
- Free Elective 3
  **Credits** 15

**Total Credits** 120

1 *A student not needing preCalc (MAT 131) will take 4 MAT courses: MAT 121 Statistics I, MAT 151 Discrete Math, MAT 161 Calc I STA 200 Statistics II OR MAT 162 Calc II.

2 One of these 7 courses must be a complex large-scale system course: CSC 416 Compilers, CSC 417 User Interfaces, CSC 496 Topics

### MINOR IN COMPUTER SCIENCE

**College of the Sciences and Mathematics**

Baccalaureate students may receive transcript recognition for a minor area of study in computer science by completing the following six required courses:

- **CSC 141** Computer Science I 3
- CSC 142 Computer Science II 3
- CSC 240 Computer Science III 3
- **CSC 241** Data Structures & Algorithms 3
- MAT 151 Introduction to Discrete Mathematics 3
- **MAT 161** Calculus I 4
  **Total Credits** 19

**NOTE:** Students must earn a minimum grade of C- in each course and an overall GPA of 2.0 in the minors and certificate program listed below.

### MINOR IN INFORMATION TECHNOLOGY

**College of the Sciences and Mathematics**
The minor in information technology introduces students to the fundamentals of programming, computer security, Web technology, database systems, and networking. All students must complete the following six required courses:

- **CSC 115** Introduction to Computer Programming (3)
- **CSC 301** Computer Security I (3)
- **CST 221** Database Systems (3)
- **CST 235** Network and System Administration (3)
- **CSW 131** Introduction to Web Design (3)
- **CSW 315** Introduction to Web Programming (3)

**Total Credits**: 18

**NOTE**: Students must earn a minimum grade of C- in each course and an overall GPA of 2.0 in the minors and certificate program listed below.

### MINOR IN WEB TECHNOLOGY AND APPLICATIONS

**College of the Sciences and Mathematics**

The minor in web technology and applications introduces students to fundamental principles of web design, including the underlying technology and principles of aesthetics and effective communications. (18 semester hours)

- **ART 113** Digital Media (3)
- **COM 201** Fundamentals of Communication Technology (3)
- **CSW 131** Introduction to Web Design (3)
- **Select one elective from each of the three different departments**
  - **ART 210** Typography I
  - **COM 292** Living in the Digital Age
  - **CSW 315** Introduction to Web Programming
  - **EDM 300** Intro to Educational Technology Integr
  - **ENG 320** Writing and Computers
  - **HIS 390** History on the Web
  - **HIS 480** Digital History
  - **WRH 205** Composing Cyberspace

**Or an approved independent project**

**Total Credits**: 18

**NOTE**: A student must earn a minimum grade of C- in each course and a minimum overall GPA of 2.0 for all courses taken for the minor.

**1** At least one of these electives must be a designated capstone project course.

### CERTIFICATE IN COMPUTER SECURITY

**College of the Sciences and Mathematics**

Students can receive a certificate in computer security that will appear on their transcripts.

**Required Courses**

- **CSC 141** Computer Science I (3)
- **CSC 142** Computer Science II (3)
- **MAT 151** Introduction to Discrete Mathematics (3)
- **MAT 161** Calculus I (4)
- **CSC 220** Foundations of Computer Science (3)
- **CSC 240** Computer Science III (3)
- **CSC 241** Data Structures & Algorithms (3)
- **CSC 242** Computer Organization (3)
- **CSC 301** Computer Security I (3)

**Select one different course from the following:**

- **CSC 300** Cooperative Programming
- **CSC 400** Internship
- **CSC 490** Independent Project in Computer Science (IA topic)
- **CSC 499** Independent Study in Computer Science (IA topic)
- **CRJ 380** Computer Crime
- **MAT 415** Introduction to Cryptography

**Total Minimum Credits Required**: 43

**NOTE**: Students must earn a minimum grade of C- in each course and an overall GPA of 2.0 in the minors and certificate program listed below.

### DEPARTMENT OF COUNSELOR EDUCATION

**College of Education and Social Work**

Graduate Center, Suite 102  
1160 McDermott Drive  
610-436-2559  
Department of Counselor Education (http://www.wcupa.edu/counselorEducation)  
Eric Owens (eowens@wcupa.edu), Chairperson

All Counselor Education courses are now taught at the graduate level. Please see the Graduate Catalog for offerings.

### DEPARTMENT OF CRIMINAL JUSTICE

**College of Business and Public Management**

508 Business and Public Management Center  
50 Sharpless Street  
West Chester, PA 19383  
610-436-2647  
Department of Criminal Justice (http://www.wcupa.edu/criminalJustice)  
Mary Brewster (mbrewster@wcupa.edu), Chairperson  
Shannon Grugan (sgrugan@wcupa.edu), Assistant Chairperson

West Chester University's Department of Criminal Justice offers a broad-based, interdisciplinary program that combines theory with application. Courses that teach applied knowledge complement a solid core curriculum of theory, philosophy, and analysis. The program is designed to fulfill the needs of four categories of students:

1. Those who desire a carefully planned four-year program of study to prepare for careers in criminal justice
2. Students from two-year colleges who desire to continue their educations and obtain bachelor's degrees
3. Criminal justice professionals who seek to increase their professional competencies by strengthening their educational backgrounds
4. Those who wish to pursue master's degrees or law degrees

The program provides:

1. A core curriculum of required courses to ensure a solid working knowledge of the major systems within the discipline
2. A variety of elective courses that permit students to tailor their academic careers to their professional goals
3. A venue for the development of critical analysis and communication skills
4. Practical experience in a criminal justice setting
These primary programmatic qualities advantageously position the successful undergraduate student for entry-level positions in criminal justice agencies or postgraduate studies.

A primary feature of the program is the summer practicum served at a criminal justice agency. It is designed to give the student the opportunity to apply acquired theoretical knowledge and receive direct professional experience in the field.

**Undergraduate Goals and Objectives**

The Department of Criminal Justice strives to

1. Expose students to a solid education in the major components of the criminal justice system
2. Foster the development of ethical and moral standards
3. Provide students with the opportunity to apply their education to practical real-world experience
4. Prepare students to critically evaluate and communicate concepts of criminal justice
5. Foster and maintain mutually supportive relationships with professional criminal justice agencies
6. Maintain and strengthen a program that is interdisciplinary and holistic in nature by providing a variety of courses that will ensure discipline diversity

As a result, graduates will gain knowledge and skills in the following areas:

1. Content. Students will have acquired the knowledge to be able to communicate concepts of criminal justice, intelligently and authoritatively.
2. Critical thinking. Students will be able to critically evaluate issues and concepts related to criminal justice.
3. Ethical/moral development. Students will increase their awareness of ethical issues in the field and will develop skills to enhance sound ethical and moral judgments.
4. Practical experience. Students will have gained confidence, maturity, and skills from practical experience in a criminal justice setting.

**Related Student Activities**

The Criminal Justice Club (Sigma Tau Omicron) is the local chapter of the American Criminal Justice Association (Lambda Alpha Epsilon). The activities of this organization are open to all students. The Law Society is an organization also open to all students, but may be of particular interest to those students aspiring to law school.

TEAMfit is a program designed for future criminal justice practitioners that encourages students to adopt positive fitness and wellness goals before entering the difficult and sometimes stressful field of criminal justice. The TEAMfit program includes healthy and friendly activities, such as a miles competition, recruit fitness course, and weight-loss competition. The program includes fitness, nutrition and wellness education, and stress management training.

The department also houses the Nu Beta chapter of Alpha Phi Sigma, the National Criminal Justice Honor Society. Nu Beta members participate in a number of educational and social activities throughout the semester, including field trips, research presentations at regional and national conferences, and charitable events.

**Philadelphia Campus**

The B.S. in Criminal Justice has also been offered at the Philadelphia campus. At this time, new students are no longer being accepted into the program there.

Curriculums for programs offered at the alternative PASSHE Center City (http://wcupa.edu/philly) satellite campus in Philadelphia are equivalent to those found on WCU’s main campus. With state-of-the-art classrooms, the Center City location serves the needs of degree completers and/or adult learners who are balancing work and family obligations.

**Programs**

**Majors in Criminal Justice**

- B.S. in Criminal Justice (p. 235)
- B.S. in Criminal Justice to M.S. in Criminal Justice Accelerated Program (p. 235)

**Minors in Criminal Justice**

- Criminal Justice (p. 237)

**Graduate Opportunities**

See the graduate catalog for more information on the Criminal Justice programs. (http://catalog.wcupa.edu/graduate/business-public-management/criminal-justice)

**Policies**

- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

**Accelerated Program Policy**

Refer to the Accelerated Programs page (p. 129) for more information.

**Faculty**

**Professors**

Mary P. Brewster (mbrewster@wcupa.edu) (1993)
Chairperson, Criminal Justice
B.A., St. Joseph's College; M.A., Fordham University; Ph.D., Rutgers University
Jana L. Nestlerode (jnesterode@wcupa.edu) (1986)
B.A., Pennsylvania State University; J.D., Widener University

**Associate Professors**

Brian F. O’neill (boneill@wcupa.edu) (1998)
B.A., University of Pittsburgh; M.S.W., Marywood College; Ph.D., City University of New York
Cassandra L. Reyes (creyes@wcupa.edu) (2009)
B.A., M.A., Ph.D., Indiana University of Pennsylvania
Jane M. Tucker (jtucker@wcupa.edu) (2011)
B.A., Valley Forge Christian College; M.S., West Chester University; Ph.D., Temple University

**Assistant Professors**

Sami Abdel-Salam (ssalam@wcupa.edu) (2013)
B.A., Drury University; M.S., University of Central Missouri; Ph.D., Temple University
Michael Edward Antonio (mantonio@wcupa.edu) (2013)
B.S., Ursinus College; M.A., University of Delaware; Ph.D., Northeastern University
Michele B. Bratina (mbratina@wcupa.edu) (2016)
B.S. Pennsylvania State University; M.A. University of Arkansas; Ph.D. Indiana University of Pennsylvania
CRJ 110. Introduction to Criminal Justice. 3 Credits.
This course is designed to describe the criminal justice system from arrest through trial, appeal, sentencing, corrections, and parole. The object of this course is to provide the student with a procedural framework of the criminal justice process.

CRJ 210. Theories of Crime and Delinquency. 3 Credits.
This course is a survey of the historical and contemporary attempts to explain the phenomena of crime and criminal behavior from the perspectives of sociology, psychology, economics, biology, and law. Emphasis will be placed on contemporary theory and the analysis of evidence supportive of various theoretical positions. Distance education offering may be available.

CRJ 215. GIS for Criminal Justice Careers. 3 Credits.

CRJ 220. Corrections. 3 Credits.
The purpose of this course is to provide the student with a survey and analysis of the correctional system and its processes from both a historical and geographical perspective. Emphasis will be placed on relating this survey and analysis to contemporary practice and future trends in the area of corrections. Pre / Co requisites: CRJ 220 Prerequisite - C or better in CRJ 110. Distance education offering may be available.

CRJ 240. Criminal Investigations. 3 Credits.
Criminal investigation functions of police involving crimes of violence, crimes against property, and organized crime. Police operational techniques and applicable court decisions in the areas of interview, search, seizure, and arrest are also included.

CRJ 268. Private Security. 3 Credits.
This course provides an in-depth examination of the various facets and interests of the private sector of security. A review of the history, organization, management, and safety issues pertaining to the private security profession will be addressed. Emphasis is placed on policy and decision making, personnel, and budgeting, as well as an examination of security programming that responds to the private sector.

CRJ 287. Policing in America. 3 Credits.
This course offers an examination of the history and evolution of policing in the United States. It will include contemporary issues in policing including administration and management, policing in democracy, community policing, officer training, use of force and coercion, discretion and ethical problems and concerns. Pre / Co requisites: CRJ 287 Prerequisite - C or better in CRJ 110. Distance education offering may be available.

CRJ 300. Criminal Law. 3 Credits.
This course covers the principles of criminal responsibility, the purposes and limitations of criminal law, and the elements of various criminal offenses. Substantive criminal law will cover the conduct, acts, and omissions that have been designated as crimes. These acts (or omissions) plus the mental state and other essential elements that make up criminal action will be examined. Pre / Co requisites: CRJ 300 requires prerequisites of a C or better in CRJ 110 and CRJ 210 and ENG 121 or WRT 121 or WRT 200 or WRT 204 or WRT 205 or WRT 206 or WRT 208 or WRT 220. Honors students must earn a grade of C or better in HON 310.

CRJ 304. Introduction to Comparative Justice Systems. 3 Credits.
This course explores other systems of criminal justice found in divergent and dissimilar cultures. The focus of interest will be on the historical, political, cultural, and sociological factors that influence the development of systems of justice. The course will examine and compare the status of the common, civil, socialist, and Islamic legal traditions.

CRJ 306. Writing for the Criminal Justice Professional. 3 Credits.
This course examines a variety of forms of writing in criminal justice education and the criminal justice profession. Students will receive instruction, guidance and practical experience in composing various types of written reports that might be required in the numerous occupations that fall within the discipline of criminal justice. Starting with a review of English grammar, students will learn to compose professional emails, cover letters, and resumes. They will progress to police reports, pre-sentence reports, forensic or scientific reporting and finally, research-based reports. Students will also receive instruction on essay and research report writing and the use of APA formatting. Emphasis will be on improving writing skills throughout the semester through extensive feedback from the instructor and opportunities to revise and resubmit written work. 

CRJ 310. Juvenile Justice Administration. 3 Credits.
This course is a survey of both the formal (police/courts/corrections) and the informal (diversion) means of dealing with the problem of juvenile crime. Emphasis is not on the behavior but on society's response to it. Emphasis will also be placed on the legal rights of juveniles.

CRJ 312. White Collar Crime. 3 Credits.
This course analyzes the usually nonviolent criminal conduct described as official corruption, systematic crime, or violations of trust that are characterized by calculation, deceit, and personal enrichment. The influence of organized crime also is explored.

CRJ 314. Organized Crime. 3 Credits.
This course provides an examination of organized crime as an American phenomenon, and a comparison to its counterparts in Europe and Asia. The historical development of organized crime throughout the world will be studied. Contemporary issues in organized crime will be addressed, including its evolution into various forms of terrorism.

CRJ 315. Gangs in America. 3 Credits.
This course is designed to familiarize the student with the nature and extent of the gang problem in the United States. It provides a comprehensive understanding of gang violence, gang membership, and gang culture. This course also analyzes the complexities of gang life, examines the history of gangs, and provides an in-depth look at the various types of gangs that are prevalent today. In addition, theories as to why youth join gangs, law enforcement's response to the gang problem, how correctional agencies are coping with the gang problem in prison/jails, and the mass media's interpretation of gang life are critically examined.

CRJ 316. Terrorism. 3 Credits.
This course defines the major differences between criminal violence and ideological and political motives for terror events. An important element for successful terrorist acts is a sufficient audience where the political, social, or religious message can be absorbed. We will also examine the differences between domestic and international terrorism and explore the various stages of extremism and radicalization as a precursor to terrorist acts.
CRJ 318. Environmental Crime. 3 Credits.
This course is an examination of crimes against the environment and crimes that impact the environment. The history of environmental crime, its investigation and prosecution will be studied, as well as most current developments in this area of study. The course will also address the global impact of and response to environmental crime.

CRJ 320. Sex Crimes & the Law. 3 Credits.
This course explores the nature and extent of sexual crime in America with a focus on the evolution of privacy, sexual rights, and the criminal justice response to sexual offenders. Theories of sexual deviance, treatment, and recidivism will be examined. Changes in laws to prevent victimization and protect the rights of victims will also be discussed.

CRJ 323. Opportunities, Situations, and Crime: Environmental Criminology. 3 Credits.
This course is designed to provide an introduction and overview of the field of environmental criminology, which considers how physical space and typical, everyday situations may provide opportunities for crime as well as obstacles for carrying it out. The course will also include discussion of important policy measures and practical crime prevention strategies, such as modifying or planning the built environment and designing products and places in such a way as to make the commission of crime very difficult.
Pre / Co requisites: CRJ 323 requires prerequisite of a C or better in CRJ 110.
Typically offered in Fall.

CRJ 325. Animal Cruelty. 3 Credits.
This course is designed to provide intensive examination of the relationship between animal cruelty and the criminal justice system. It will cover the commission of animal cruelty within circumstances such as child abuse, interpersonal violence, and juvenile delinquency. The goal of the course is to offer students an understanding of the impact that animal cruelty has on society and the criminal justice system.

CRJ 350. Forensic Science I - Basic Crime Scene Analysis. 3 Credits.
This course builds on the basics of criminal investigation to elevate students' knowledge and skills in the area of forensic examination. The student will learn to recognize and distinguish relevant evidence, proper preservation techniques, and simple field testing. The course will increase the student's knowledge of techniques used in evidentiary analyses, and serve as an introductory course for those who desire to learn laboratory skills.
Pre / Co requisites: CRJ 350 requires prerequisite of CRJ 240.

CRJ 360. Race, Ethnicity and Criminal Justice. 3 Credits.
This course will explore the relationship between race and criminal justice, including the historical background of the role race has played in the system. The impact of race and ethnicity on discretion, sentencing, and disposition will be examined at the adult and juvenile levels. In addition, the causes and remedies of minority overrepresentation in the adult and juvenile criminal justice system will be explored.
Gen Ed Attribute: Diversity Requirement, Writing Emphasis.
Typically offered in Fall, Spring & Summer.

CRJ 362. Drugs, Crime and Justice. 3 Credits.
This course explores the role that drugs play in U.S. society and its criminal justice system. Topics covered include the types of illegal drugs; the history of U.S. drug prohibition; patterns, trends, and scope of illicit drug use; the relationship between drugs and crime; criminal justice policies toward drug-related crime; the consequences of current anti-drug policies, and alternative strategies for reducing drug crime.
Pre / Co requisites: CRJ 362 requires prerequisite of a grade of C or higher in CRJ 110.
Typically offered in Fall, Spring & Summer.

CRJ 365. Victimization. 3 Credits.
This course introduces the student to the field of victimology. Basic concepts, development, and relevant theoretical and empirical literature will be studied, as well as the policies and practices that have been developed to benefit victims of crime.

CRJ 366. Forensic Mental Health. 3 Credits.
An interdisciplinary exploration of the intersection of the mental health and criminal justice systems in the United States. The primary theme is the deinstitutionalization movement which has resulted in the shifting of persons with mental illness from hospitals into correctional facilities. Important topics include school-to-prison pipeline (STPP), civil and outpatient commitment, police as first responders, training for law enforcement responding to crisis situations, and other efforts to decrease criminalization and stigmatization, such as Crisis Intervention Teams, Mental Health Courts, Assertive Community Treatment, and reentry strategies. Students are expected to engage in innovative policy solutions through a multi-disciplinary lens, which may include strategies based on developments in the fields of criminal justice, medicine and forensic psychiatry, counseling and psychology, social work, education, and public administration.
Typically offered in Fall & Spring.

CRJ 370. Gender, Crime and Justice. 3 Credits.
This course examines the impact gender has on various aspects of the criminal justice system. The course offers an exploration of the victimization of women and the culture that supports it. It also addresses the unique issues of women as criminals and women as workers in the criminal justice system.

CRJ 380. Computer Crime. 3 Credits.
This course is an introduction to the various aspects of crimes committed with the aid of computers. While the content is not technical in focus, certain topics involve discussion of computer systems and protocols, specifically in the area of computer forensics. Students are introduced to both the collection and analysis of digital evidence. Since computer crime and its investigation are evolving rapidly, the curriculum changes as the semester progresses and the syllabus may be altered to include current issues or legal cases. Students complete the course with the basic tools by which to practice computer crime investigation and a knowledge base of current law to keep up with developments in this discipline.

CRJ 385. Crime, Media, and Society. 3 Credits.
This course will examine the relationship between crime, the criminal justice system, and the mass media. The types of media examined in this course will include television, films, the internet, video games, music, news reports, comic books, novels, magazines, the radio, and scholarly research. This course will further examine how the criminal justice system (police, courts, corrections) is portrayed through various narratives and images in the mass media and its potential impact on crime and justice. Some of the topics covered will include media theory and the social construction of crime, moral panics, crime and justice in news and entertainment, media effects on attitudes toward the criminal justice system, and the types of media that depict crime.

CRJ 387. Elements of Criminal Justice Research. 3 Credits.
This course is designed to provide an overview of research methods used in criminal justice research, including data collection methods, sampling techniques, and basic statistical analyses. The course will provide hands-on application of research methods as well as critical analysis of research studies conducted by others in the field of criminal justice.
Pre / Co requisites: CRJ 387 requires prerequisite of CRJ 110, CRJ 220, CRJ 287, and majors only with junior or senior standing.
Typically offered in Fall & Spring.

CRJ 388. Crime, Media, and Society. 3 Credits.
This course is designed to provide an overview of research methods used in criminal justice research, including data collection methods, sampling techniques, and basic statistical analyses. The course will provide hands-on application of research methods as well as critical analysis of research studies conducted by others in the field of criminal justice.
Pre / Co requisites: CRJ 388 requires prerequisite of CRJ 110, CRJ 220, CRJ 287, and majors only with junior or senior standing.
Typically offered in Fall & Spring.

CRJ 400. Criminal Procedure. 3 Credits.
This course is an examination of the theory and application of the broadly defined subject of criminal procedure. It is designed to develop in the student, a sophisticated understanding of the underlying reasons for, and the applications of these rules in investigations of criminal activity, and in court proceedings. This will be accomplished through the study of the appropriate sections of the U.S. Constitution, the Bill of Rights, and selected cases and statutes.
Pre / Co requisites: CRJ 400 requires prerequisites of CRJ 300 and CRJ 387.

CRJ 410. Independent Studies in Criminal Justice. 1-3 Credits.
Research projects, reports, and readings in criminal justice.
Repeatable for Credit.
CRJ 434. Experiencing Peru: Examining the Criminal, Social, and Economic Impact of Voices4Peru. 3 Credits.
This course, which includes a 13-day study abroad experience, will provide students with an in-depth comparison of social issues related to crime, education, gender, poverty, and race that prevail in the United States and in South America. This course was designed on the belief that cross cultural comparisons of governmental initiatives and grassroots movements significantly shape the expectations and quality of life for the majority of a nation’s citizens. Course readings will examine criminological theories about race, class, and crime, while the social learning theories and current evidence-based practices will describe how social and cultural factors impact decision-making and problem solving skills.
Consent: Permission of the Department required to add.

CRJ 435. Interviewing and Assessing the Offender. 3 Credits.
This course offers the undergraduate student an understanding of the psychology of interviewing and assessing suspects, victims, and the course provides students with a solid knowledge base related to interviewing and assessment skills employed at every level of the criminal justice system. Students learn skills through lecture, reading assignments, role play and in-class team exercises.

CRJ 440. Violent Crime. 3 Credits.
This course seeks to survey the incidence of violent crime, to analyze the violent criminal, and to study the variety of means that have been developed to control criminal violence.

CRJ 450. Forensics II - Criminalistics. 3 Credits.
This course builds on Forensic Science I, applying laboratory science to criminal investigation. The course will focus on more advanced aspects of crime scene processing; evidence collection, preservation and analysis; and the essentials of courtroom presentation.

CRJ 455. Topical Seminar in Criminal Justice. 3 Credits.
Intensive examination of a selected area of study in the field of criminal justice. Topics will be announced at the time of offering. Course may be taken more than once when different topics are presented.
Distance education offering may be available.
Repeatable for Credit.

CRJ 460. Evidence & Trial Advocacy. 3 Credits.
This course moves a step beyond basic criminal law and criminal procedure studies and takes the student into the courtroom. The student will learn basic rules of evidence presentation and court procedure and discover how the trial process works by actively participating in it. The student will learn how to distill the issues, and to present concise, well-reasoned arguments supporting a given position. It is in this manner that the student will learn critical analysis and practical presentation.

CRJ 461. Notable Criminal Cases. 3 Credits.
Selected factual accounts of criminality and criminal behavior over the past 75 years are analyzed. Selection is based on notoriety and continued dispute. Course is designed to illuminate, through reading and class analysis, a wide spectrum of criminal conduct and the related investigative and judicial response.
Distance education offering may be available.

CRJ 470. Interpersonal Relations. 3 Credits.
This course is designed to aid a student's self-analysis in terms of behavior patterns or changes affecting his or her life. This self knowledge often leads to understanding relationships with others, which can assist students in relating to other persons in their personal, social, and professional lives.

CRJ 472. Justice Studies. 3 Credits.
This course is designed to address the successes, weaknesses and failures of our current system of justice by examining and analyzing sometimes controversial issues through critical inquiry and legal and social science investigation.

CRJ 482. Contemporary Legal Issues. 3 Credits.
This course encompasses a brief review of the general principles of law and procedure, followed by an in-depth study of the more controversial legal dilemmas facing today's criminal justice system. The course is designed to shed light on each side of the issue, to enable the student to see beyond the superficial aspects of the conflict, and to understand its more profound nature.

CRJ 487. Ethical Issues In Criminal Justice. 3 Credits.
This course is designed to identify and examine ethical issues among practitioners and students in the criminal justice field. Such issues may include the discretionary power of arrest, the use of deadly force, the decision to prosecute, participation in plea bargaining, representation of the guilty, and the imposition of punishment. Such a course will promote inquiry that combines ethical analysis with a practical awareness of the realities of the criminal justice system.

CRJ 490. Practicum. 12 Credits.
Full-time 12-week structured work experience at a department-approved criminal justice agency under the joint supervision of the faculty instructor and the agency. The course includes periodic reports, a final paper, and attendance at classes held on campus. Offered primarily in the summer. PREREQ: 84 earned credits, GPA at WCU of at least 2.0, C or better in CRJ 300 and CRJ 387. Note: Any student terminated for cause by the professional agency may not retake the course unless special approval to do so is obtained from the department. Pre / Co requisites: CRJ 490 requires prerequisites of CRJ 300 and CRJ 387. Repeatable for Credit.

B.S. IN CRIMINAL JUSTICE

College of Business and Public Management

Curriculum

General Education Requirements [http://catalog.wcupa.edu/undergraduate/general-education-requirements]

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>English Composition requirements</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics requirement</td>
<td>3</td>
</tr>
<tr>
<td>Public Speaking requirement</td>
<td>3</td>
</tr>
<tr>
<td>Science requirements</td>
<td>6</td>
</tr>
<tr>
<td>Behavioral &amp; Social Science requirements</td>
<td>6</td>
</tr>
<tr>
<td>Humanities requirements</td>
<td>6</td>
</tr>
<tr>
<td>Arts requirement</td>
<td>3</td>
</tr>
<tr>
<td>Diverse Communities requirement</td>
<td>3</td>
</tr>
<tr>
<td>Interdisciplinary requirement</td>
<td>3</td>
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<tr>
<td>Student Electives</td>
<td>9-21</td>
</tr>
<tr>
<td>Writing Emphasis requirements</td>
<td>9</td>
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Major Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CRJ 110</td>
<td>Introduction to Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 210</td>
<td>Theories of Crime and Delinquency</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 220</td>
<td>Corrections</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 287</td>
<td>Policing in America</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 300</td>
<td>Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 387</td>
<td>Elements of Criminal Justice Research</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 400</td>
<td>Criminal Procedure</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 490</td>
<td>Practicum (a 12-credit practicum offered only in the summer)</td>
<td>12</td>
</tr>
</tbody>
</table>

Major Electives

Select 27 semester hours

Total Minimum Credits Required 120

1 A minimum grade of C is required in all criminal justice courses. CRJ 300, CRJ 387, CRJ 400, and CRJ 490 must be taken at West Chester University and are not typically transferable from any other college or university.

Accelerated B.S. in Criminal Justice to M.S. in Criminal Justice Program

B.S. in Criminal justice students are required to take 21 credits of student electives. Students in the Accelerated B.S. to M.S. program can fulfill up to 12 of those 21 elective credits with graduate-level coursework.

Criminal Justice Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRJ 500</td>
<td>Comparative Criminal Justice Systems</td>
</tr>
<tr>
<td>CRJ 503</td>
<td>Criminal Behavior and the Law</td>
</tr>
</tbody>
</table>
Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

### B.S. in Criminal Justice (4-Year Plan)

<table>
<thead>
<tr>
<th>Year One</th>
<th>Fall</th>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<td>WRT 120</td>
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<td>Introduction to Criminal Justice</td>
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<td>SPK 208</td>
<td>Public Speaking or Business and Professional Speech</td>
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<td>SPK 230</td>
<td>Communication</td>
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<td>CRJ 210</td>
<td>Theories of Crime and Delinquency</td>
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<td>Science General Education Course</td>
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<td>Behavioral/Social Science General Education Course</td>
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<td>Diverse Communities General Education Course</td>
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<td>Credits</td>
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<td>15</td>
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<td>CRJ 287</td>
<td>Policing in America</td>
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<td>CRJ 387</td>
<td>Elements of Criminal Justice Research</td>
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<td>CRJ 490</td>
<td>Practicum 1</td>
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<td>Year Four</td>
<td>CRJ 400</td>
<td>Criminal Procedure</td>
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</table>

1. CRJ 508 requires a prerequisite of CRJ 387.
2. CRJ 509 requires a prerequisite of CRJ 400.
3. CRJ 600 requires a prerequisite of CRJ 508. CRJ 600 can only be taken once the student has matriculated in the graduate program.

Enrollment in CRJ 110 and CRJ 210 is open to all students. However, enrollment in most other criminal justice courses is limited to criminal justice majors, criminal justice minors, and to those students who have received special permission from the department chairperson. Also, a grade of C or better is required in CRJ 110 before any other CRJ course may be taken, with the only exception being CRJ 210. Admission to the program is competitive, and enrollment in such restricted courses is no assurance of admission into the major (nor is acceptance into the minor program assurance of future acceptance into the major). Students wishing to change their majors to criminal justice must apply to the department. Evaluation of applications is based on academic performance, writing ability, and other relevant data.

Students should generally have a GPA of at least 2.5 to apply for admission to the program. A 2.5 average or better must be earned in the aggregate of lower- and upper-division courses before graduation will be recommended.

NOTE: This program deviates from the Anticipated Time for Degree Completion outlined in the Academic Policies section of the catalog since the program requires the completion of requirements that can only be met in the summer.
Free Elective

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>WRT 120 Effective Writing I</td>
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<td>CRJ 110 Introduction to Criminal Justice</td>
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<td>Behavioral/Social Science General Education Course</td>
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<tr>
<td>Spring</td>
<td></td>
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<tr>
<td>WRT 200 Critical Writing and Research (or above)</td>
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<td>SPK 208 or Business and Professional Speech</td>
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<td>SPK 230 Communication</td>
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<td>Behavioral/Social Science General Education Course</td>
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<td>CRJ 220 Corrections</td>
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<td>CRJ 287 Policing in America</td>
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<td>CRJ 300 Criminal Law</td>
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<tr>
<td>Year Three</td>
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<td>Fall</td>
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<tr>
<td>CRJ 387 Elements of Criminal Justice Research</td>
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**B.S. in Criminal Justice (Less than 4-Year Plan)**

<table>
<thead>
<tr>
<th>Course Title</th>
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<tbody>
<tr>
<td>WRT 120 Effective Writing I</td>
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<td>CRJ 110 Introduction to Criminal Justice</td>
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<td>Science General Education Course</td>
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<td>Behavioral/Social Science General Education Course</td>
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**Spring**

<table>
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<tr>
<th>Course Title</th>
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<tr>
<td>CRJ 400 Criminal Procedure</td>
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<td>CRJ Elective</td>
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<tr>
<td>Writing Emphasis Free Elective</td>
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<td>Free Elective</td>
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**Summer**

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<td>CRJ 490 Practicum</td>
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**Year Four**

<table>
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<tr>
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<td>15</td>
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</table>

**MINOR IN CRIMINAL JUSTICE**

**College of Business and Public Management**

**Required Courses**

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<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>CRJ 110 Introduction to Criminal Justice</td>
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<tr>
<td>CRJ 210 Theories of Crime and Delinquency</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 220 Corrections</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 287 Policing in America</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 300 Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 387 Elements of Criminal Justice Research</td>
<td>3</td>
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<tr>
<td>CRJ 400 Criminal Procedure</td>
<td>3</td>
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<td>21</td>
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</table>

This minor may be taken as one of the minors in the bachelor of arts or bachelor of science in liberal studies general degree program. Students should generally have a GPA of at least 2.5 to apply for admission to the program. Students must earn an overall GPA of 2.5 in their CRJ courses in order to complete the minor.

**DEPARTMENT OF EARLY AND MIDDLE GRADES EDUCATION**

**College of Education and Social Work**

106B Recitation Hall
610-436-2944
Department of Early and Middle Grades Education (http://www.wcupa.edu/earlyMiddleGrades)
Karen Johnson (kjohnson@wcupa.edu), Chairperson
Sara Lamb Kistler (slamb@wcupa.edu), Assistant Chairperson

**Programs Offered**

The Department of Early and Middle Grades Education offers programs that lead to an Instructional I Certificate by the Commonwealth of Pennsylvania for pre-kindergarten through grade 4, and grade 4 through grade 8.

- **The B.S.Ed. in Early Grades Preparation, PreK–4 (EGP)** is designed to provide a broad background in general education, an understanding of children, and the knowledge and skills
needed to teach children, in PreK through grade 4. Upon satisfactory completion of the approved program, and related PDE requirements, the student will qualify for a Grades PK-4 Pennsylvania Instructional I Certificate, valid for six years of teaching in pre-kindergarten through grade 4.

- **The B.S.Ed. in Middle Grades Preparation, Grades 4-8 (MGP)** is designed to provide a broad background in general education, an understanding of children and young adolescents, and the knowledge and skills needed to teach them. Upon satisfactory completion of the approved program, and related PDE requirements, the student will qualify for a Grades 4-8 Pennsylvania Instructional I Certificate, valid for six years of teaching in grades 4 through 6 and selected content areas in grades 7 and 8.

### Programs

#### Majors in Early and Middle Grades Education

- B.S.Ed. in Early Grades Preparation (PreK–4) (p. 242)
- B.S.Ed. in Middle Grades Preparation Grades 4-8 (p. 243)

#### Minors in Early and Middle Grades Education

- Early Childhood Preparation (p. 244)
- Elementary Education (p. 245)

#### Graduate Opportunities

See the graduate catalog for more information on the Early and Middle Grades Education programs. ([http://catalog.wcupa.edu/graduate/education-social-work/early-middle-grades-education](http://catalog.wcupa.edu/graduate/education-social-work/early-middle-grades-education))

### Policies

- See undergraduate admissions information. (p. 11)
- See academic policies. ([http://catalog.wcupa.edu/undergraduate/academic-policies-procedures](http://catalog.wcupa.edu/undergraduate/academic-policies-procedures))

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

### Application and Approval for Student Teaching

Students are eligible to student teach if they have

1. Achieved Formal Admission to Teacher Education (FATE),
2. Met, by having earned final passing grades, all professional preparation requirements¹,
3. Earned at least 102 credits prior to the student teaching semester, and
4. Maintained the Pennsylvania-mandated GPA of 2.80. (See "Formal Admission to Teacher Education" in the Educator Preparation Programs (p. 266) section of this catalog.) Student teaching is typically scheduled for a student’s final semester at the University.

Applications for student teaching must be made two semesters prior to student teaching through the Office of Field Placements and Student Teaching, Francis Harvey Green Library 251. Students graduating fall 2013, spring 2014, fall 2014, and spring 2015, must have taken and provided official score reports for required Pennsylvania certification tests prior to student teaching. This includes Praxis II Middle Grades Core and Concentration Area Tests for middle grades preparation majors and the PECT PK-4 test for early grades preparation majors. Following application, students register for student teaching (EGP 410 and EGP 411, or MGP 410 and MGP 411) as they would for other University courses.

¹ Exception: Early grades majors may take EGP 400 concurrently with student teaching.

### Field Placement in Schools

All field placements for EGP and MGP courses, including student teaching, are arranged in conjunction with the Department of Early and Middle Grades Education. Students are not to solicit placements. While student needs are considered in assigning placements, no particular placement can be guaranteed. Transportation to and from field placements is the responsibility of the individual student. Students must have their criminal clearances (Act 34 Pennsylvania State Criminal History Record Report, Act 114 Federal Criminal History Report, and Act 151 Child Abuse Report) and TB test results by the first day of class for EGP 209, EGP 210, EGP 220, EGP 322, EGP 410/EGP 411, LAN 382/ENG 382, EDR 317, EDR 318, MAT 352, MGP 220, MGP 335, MGP 410/ MGP 411, and SCE 330.

West Chester University does not place students at religiously affiliated schools when public school placements are available and when that placement results in the students’ receiving academic credit.

### Admission and Progression Requirements in B.S.Ed. Programs

Students must meet University admission requirements. All students who enter the University as EGP or MGP majors are designated as probationary teacher education students until they achieve Formal Admission to Teacher Education (FATE). All students seeking a bachelor of science in either program must formally apply for admission to teacher education. (See "Formal Admission to Teacher Education" in the Educator Preparation Programs section of this catalog.) Only students who have achieved FATE will be eligible to take advanced professional education course work. For EGP majors, the advanced professional course work includes almost all 300- and 400-level EGP courses plus EDA 303, EDM 349, EDR 317, and SCE 320. For MGP majors, the advanced professional course work includes 300- and 400-level MGP courses plus EDA 303, EDM 349, EDP 354, EDR 318 and EDR 345, MAT 352, and SCE 330. Students who have achieved FATE must maintain the required minimum GPA in order to continue taking advanced professional course work. If a student falls below the required minimum GPA, he or she will be permitted to retake, in accordance with University policy, professional course work that contributed to the fall below the minimum GPA but will not be permitted to take additional work until the minimum is met.

### Requirements for Transfer to the Major in Early or Middle Grades Preparation

Students may apply for “external transfer” (see below) when transferring from another post-secondary institution. Students already admitted to West Chester University as pre-majors or in another major may apply for “internal transfer.”

Students seeking external or internal transfer must have earned a minimum of 27 college-level credits with a minimum cumulative GPA of 2.80. Students with 48 or more earned credits must have achieved passing scores on the Basic Skills testing requirement, as established by the Pennsylvania Department of Education (PDE), and completed college-level studies in English composition (three credits). External or internal transfer to the major in early grades preparation does not confer FATE. (See “Formal Admission to Teacher Education” in the Educator Preparation Programs section of this catalog.)

### External Transfer Students

Transfer credit for freshman- and sophomore-level courses will be granted in accordance with University policy. Professional and specialized preparation courses will be evaluated and approved on an individual basis. Application for the major is made through the Office of Admissions.
Internal Transfer Students
Application is made directly to the Department of Early and Middle Grades Education. The department admits internal transfer students three times a year. Students should check the department bulletin board for dates and details.

In addition to the general requirements for FATE, B.S.Ed. candidates who are admitted to the major in EGP or MGP must also complete
1. 20 hours of pre-approved, unpaid community service for agencies/organizations serving children and/or youth and/or adults with special needs and/or families (at least 10 of these hours must be provided in one setting); and
2. A written reflection that has been assessed as satisfactory on how this service has influenced their development as teachers. The nature of the service must provide a direct, concrete benefit to the population(s) an agency/organization serves. The hours that candidates devote to this community service requirement may not also be used to fulfill any requirement for a credit-bearing course.

Second Degree Students
Students seeking admission as a second-degree student must have earned a minimum cumulative GPA of 2.8 on their last 48 credits. They must also have achieved passing scores (as defined by PDE) on all required tests for their initial certification and degree program.

Second-degree students will be expected to complete all professional education and specialized preparation courses required in the undergraduate early or middle grades preparation majors. While credit may be given for equivalent courses taken during the first-degree program, additional requirements, which may include college-level course work in math (six credits), English composition (three credits), and literature taught in English (three credits), could be required for Formal Admission to Teacher Education.

Admission to the Minor in Elementary Education
Students seeking a minor in Elementary Education must be completed 27 credits and must have the minimum cumulative GPA required for their earned credits: 2.65 for students with 27–47 credits completed 27 credits and must have the minimum cumulative GPA required of them at admission to the minor in order to continue. Students who fall below the minimum cumulative GPA required are permitted to retake, in accordance with University policy, course work in the minor that contributed to their fall below the required minimum cumulative GPA. Such students will not be permitted to take additional course work in the minor until they achieve the required minimum cumulative GPA.

Faculty
Professors
Michael Bell (mbell@wcupa.edu) (2001)
B.A., Arizona State University; M.A., Northern Arizona University; Ph.D., University of Texas at Austin
Wei Cai (wcai@wcupa.edu) (1996)
B.A., Beijing Teachers College; M.A., Bloomsburg University; Ed.D., Indiana University of Pennsylvania
Karen Johnson (kjohnson@wcupa.edu) (2007)
Chairperson, Early and Middle Grades Education
B.S., Trenton State College; M.Ed., Rutgers University; Ph.D., University of Albany
Sara Lamb Kistler (slamb@wcupa.edu) (2004)
Assistant Chairperson, Early and Middle Grades Education
B.S., M.A., West Chester University; Ph.D., University of Delaware
Heather Leaman (hleaman@wcupa.edu) (2005)
Graduate Coordinator, Early and Middle Grades Education
B.S., M.Ed., Millersville University; Ph.D., Pennsylvania State University
Katherine Norris (knorris@wcupa.edu) (2007)
B.S., West Chester University; M.S., Saint Joseph’s University; Ed.D., Temple University
Catherine M. Prudhoe (cprudhoe@wcupa.edu) (1992)
Graduate Coordinator, Early and Middle Grades Education
B.S., Pennsylvania State University; M.S., Pennsylvania State University; Ph.D., University of Delaware
Donna R. Sanderson (dsanderson@wcupa.edu) (2001)
Chairperson, Early and Middle Grades Education
B.S., James Madison University; M.S., Widener University; Ed.D., University of Pennsylvania

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Lisa J. Lucas (llucas@wcupa.edu) (2008)
B.A., Lock Haven University; M.Ed., Cabrini College; Ed.D., Immaculata University
Vicky M. Patton (vpatton@wcupa.edu) (2002)
Graduate Coordinator, Early and Middle Grades Education
B.A., M.A., University of Canterbury (New Zealand); Ph.D., Temple University

Assistant Professors
Jade Burris (jburris@wcupa.edu) (2015)
B.S., University of Florida; M.A., University of Florida; M.Ed., University of Florida; Ed.D., University of Delaware
Laura E. Fiorenza (lfiorezza@wcupa.edu) (1991)
B.A., M.Ed., West Chester University; Ed.D., Grand Canyon University
Paul Sylvester (psylvester@wcupa.edu) (2016)
B.A., Earlham College; M.S., Bank Street College of Education; Ph.D., University of Pennsylvania
Jacqueline G. Van Schooneveld (jvanschooneveld@wcupa.edu) (2013)
B.S., Bucknell University; M.Ed., Columbia University; Ed.D., University of Pennsylvania

Courses
ECE

ECE 100. Orientation to Early Childhood. 3 Credits.
An introduction to the history and philosophy of early childhood education. Field observations in a variety of settings provide the student with an opportunity for career decision making.

ECE 225. Infant Development and Field. 6 Credits.
The study of infant/toddler development and appropriate programming. The relationship of the developmental level to the structuring of learning environment is fostered as students interact with infants in child care settings for four hours per week.

ECE 231. Child Development (2-5 Years). 3 Credits.
Physical, social, emotional, intellectual, and moral development of the child, 2-5 years of age. Parallels are drawn from this phase of child development to students self-development.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

ECE 232. Preschool Learning Environment & Field Experience. 3-6 Credits.
Methods and materials for structuring the classroom environment for the child 2-5 years of age. Readiness skills and concepts in all curricular areas are addressed.
Pre / Co requisites: ECE 232 requires prerequisite of ECE 225 and co-requisite or prerequisite of ECE 231.
Gen Ed Attribute: Writing Emphasis.

ECE 308. Social Studies - Science Primary Grades. 3 Credits.
A consideration of methods of instruction for social studies and science in Grades K-3 classrooms.
Pre / Co requisites: ECE 308 requires formal admission to teacher education.
Typically offered in Fall & Spring.
ECE 220. Inclusive Classroom. 3 Credits.
The purpose of this course is to prepare preservice early childhood, elementary, and special education students to teach students with disabilities effectively in general education settings. The course will be co-taught by special education, early childhood education, and elementary education faculty.
Gen Ed Attribute: Diversity Requirement.
Typically offered in Fall & Spring.

EDE 251. Child Development and Behavior. 3 Credits.
A survey of characteristic development and behavior of children between 5 and 13 years of age, situated within theories of human development with emphasis on application to classroom settings. Open to elementary education majors only.
Typically offered in Fall & Spring.

EDE 253. Human Development and Behavior. 3 Credits.
Physical, mental, emotional, social, moral, and self factors shaping human behavior throughout the life cycle; specific application to work with individuals and groups in educational settings.
Pre / Co requisites: EDE 253 requires a prerequisite of PSY 100.

EDE 254. Development in the Middle School Child. 3 Credits.
Characteristic development and behavior of children between 10 and 15 years of age; understanding and working with these children in educational settings.
Pre / Co requisites: EDE 254 requires prerequisites of EDE 251 and EDE 253.

EDE 301. Contact department for more information about this course.
Consent: Permission of the Department required to add.

EDE 409. Independent Study. 1-3 Credits.
Special topics or projects initiated by the student that will enable her or him to do extensive and intensive study in an area of elementary education.
Consent: Permission of the Department required to add.

Pre / Co requisites: EDE 410 requires formal admission into teacher education and co-requisite of EDE 312 or EDR 312.

EDE 410. Student Teaching - 1st Half. 6 Credits.
Contact department for more information about this course.
Pre / Co requisites: EDE 410 requires formal admission into teacher education.

EDE 411. Student Teaching - 2nd Half. 6 Credits.
(Second half of semester) Two separate student teaching experiences are required: one in grades K-3 and one in grades 4-6. Weekly practicum sessions are required.
Pre / Co requisites: EDE 411 requires formal admission into teacher education.
EDE 421. Seminar in Elementary Education. 3 Credits.
An intensive study of some current, major developments in elementary education. Topics announced in advance.
Consent: Permission of the Department required to add.
Repeatable for Credit.

EDE 422. Leadership in Elementary Education. 3 Credits.
This course will focus on the leadership role of the elementary teacher. Emphasis will be placed upon the roles and responsibilities of the elementary teacher, including the development of program goals and objectives, the development of instruction and assessment, and the management of the classroom. 
Pre / Co requisites: EDE 421 prerequisite requires formal admission to teacher education.

EGP

EGP 199. Transfer Credits. 1-11 Credits.
Transfer Credits.
Repeatable for Credit.

EGP 209. Child Development: Prebirth - 5 Years. 3 Credits.
This course covers the normative and atypical development of children from prebirth through 5 years across all development domains. The earliest years are exciting, interesting and continually changing time in the lives of children. This course will cover content from research, personal experiences and observations. Field Clearances Required.
Typically offered in Fall & Spring.

EGP 210. Middle Childhood & Adolescent Development. 3 Credits.
A survey of characteristic development and behavior of children in middle childhood and adolescence, situated within theories of human development with emphasis on application to classroom settings. Field clearances required.
Typically offered in Fall & Spring.

EGP 220. Theory/Field Experiences in the Early Grades. 3 Credits.
Orientation to the curricula, processes and structures of the PreK-4 classroom. Field experiences, minimum 30 hours, related to course topics.
Pre / Co requisites: EGP 220 requires prerequisites of either EGP 209 or EGP 210.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall, Spring & Summer.

EGP 322. Pre-K Methods and Field. 6 Credits.
This course is a 6 credit methods and field course. Students will learn to plan and implement developmentally effective curriculum for children three to five years old. Students will be in field placements for six hours each week.
Pre / Co requisites: EGP 322 requires prerequisite EGP 209 and EGP 220 and field clearances.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall, Spring & Summer.

EGP 324. Engaging Learners: Integrating Academic/Social Development for High Achieving Equitable Classrooms. 3 Credits.
Study of the elementary classroom as a unique social system and intentional learning community. Applications of interpersonal and group development theories plus interational learning models in light of diverse sociocultural contexts. Development of knowledge and skills essential to plan for and facilitate high levels of achievement, cooperation, social competence, and supportive peer interactions in a dynamic classroom learning system.
Pre / Co requisites: EGP 402 requires prerequisites of Formal Admission to Teacher Education and EDR 317 as corequisite or prerequisite.
Typically offered in Fall, Spring & Summer.

EGP 333. Teaching Childhood and Adolescence. 6 Credits.
This course introduces the theory and practice of family intervention with diverse populations including families of infants, toddlers, and preschoolers with disabilities. It bases its objectives on the knowledge that the involvement of families is essential to the education and well being of young children. The methods of service delivery for young children with disabilities and their families are discussed in addition to the key aspects of collaboration, services coordination and family centered services with culturally responsive practices.
Typically offered in Fall, Spring & Summer.
Cross listed courses EDA 332, EGP 332.

EGP 334. Assessment for Early Intervention. 3 Credits.
This course is designed to provide the student with the knowledge and skills needed for assessment appropriate to young children with disabilities and those who are considered to be “at-risk”. We will cover norm and criterion referenced assessment, developmental assessment and alternative assessment methodologies. This course bases its objectives on the knowledge that all early intervention professionals will need to know how to work with a diverse group of young children with disabilities. It will acquaint the student with the legal mandates of serving young children with disabilities in the least restrictive setting, as well as the characteristics of those children with disabilities, including family characteristics. Also, emphasis will be placed on working within the team structures, as appropriate to inclusive practices, and the various roles each professional takes on.
Typically offered in Fall, Spring & Summer.
Cross listed courses EDA 334, EGP 334.

EGP 335. Teaching Social Studies and Health in the Early Grades. 3 Credits.
This course is a study of social studies and health education curricula, instruction and assessment. National, state and local standards are utilized as frameworks to explore the context, purpose, content, and interdisciplinary nature of the disciplines.
Pre / Co requisites: EGP 335 prerequisite requires formal admission to teacher education.
Typically offered in Fall, Spring & Summer.

EGP 400. Classroom Management. 3 Credits.
Detailed investigation of the elementary teacher’s role in classroom management.
Pre / Co requisites: EGP 400 requires prerequisites of Formal Admission to Teacher Education and EDR 317 as corequisite or prerequisite.
Typically offered in Fall, Spring & Summer.

EGP 402. Family Systems in Early Intervention. 3 Credits.
This course introduces the theory and practice of family intervention with diverse populations including families of infants, toddlers, and preschoolers with disabilities. It bases its objectives on the knowledge that the involvement of families is essential to the education and well being of young children. The methods of service delivery for young children with disabilities and their families are discussed in addition to the key aspects of collaboration, services coordination and family centered services with culturally responsive practices.
Typically offered in Fall, Spring & Summer.
Cross listed courses EDA 332, EGP 332.
EGP 410. Student Teaching. 6 Credits.
A semester long, full time field experience. The student teacher assumes increasing responsibility in the classroom, as demonstrated by effective methods for the planning, delivering, and reflecting on instruction. Weekly seminars are required. Field Clearances Required.
Pre / Co requisites: Formal Admission Teacher Ed.
Typically offered in Fall & Spring.

EGP 411. Student Teaching. 6 Credits.
A semester long, full time field experience. The student teacher assumes increasing responsibility in the classroom, as demonstrated by effective methods for the planning, delivering, and reflecting on instruction. Weekly seminars are required. Field Clearances Required.
Pre / Co requisites: Formal Admission Teacher Ed.
Typically offered in Fall & Spring.

MGP

MGP 220. Field Experience: Middle Level Environment. 3 Credits.
Orientation for the curricula, processes, and structures of 4-8 classrooms. Field experiences, minimum 30 hours, related to course topics.
Pre / Co requisites: MGP 220 requires prerequisites of EDP 200 and EDP 201; field clearances.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall, Spring & Summer.

MGP 335. Teaching Social Studies in Middle Grades. 3 Credits.
This course is a study of social studies teaching and student learning in grades 4-8, focusing on related curricula, instruction and assessment in these grades. National, state and local standards are utilized as frameworks to explore the context, purpose, content, and interdisciplinary nature of the social studies. Field clearances required.
Pre / Co requisites: MGP 335 requires prerequisite MGP 220, Formal Admission to Teacher Education and field clearances.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

MGP 410. Student Teaching. 6 Credits.
A semester long, full time field experience. The student teacher assumes increasing responsibility in the classroom, as demonstrated by effective methods for the planning, delivering, and reflecting on instruction. Weekly seminars are required. Field clearances required.
Pre / Co requisites: Formal Admission Teacher Ed.
Typically offered in Fall & Spring.

MGP 411. Student Teaching. 6 Credits.
A semester long, full time field experience. The student teacher assumes increasing responsibility in the classroom, as demonstrated by effective methods for the planning, delivering, and reflecting on instruction. Weekly seminars are required. Field clearances required.
Pre / Co requisites: Formal Admission Teacher Ed.
Typically offered in Fall & Spring.

B.S.ED. IN EARLY GRADES PREPARATION (PREK-4)

Curriculum

General Education Requirements [http://catalog.wcupa.edu/undergraduate/general-education-requirements]

<table>
<thead>
<tr>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>English Composition requirements</td>
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<tr>
<td>Mathematics requirement</td>
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<tr>
<td>MAT 101</td>
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<tr>
<td>Public Speaking requirement</td>
<td>3</td>
</tr>
<tr>
<td>Science Requirements</td>
<td>6</td>
</tr>
<tr>
<td>SCI 101</td>
<td></td>
</tr>
<tr>
<td>SCI 102</td>
<td></td>
</tr>
<tr>
<td>Behavioral &amp; Social Science requirements</td>
<td>6</td>
</tr>
<tr>
<td>GEO 101</td>
<td></td>
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<tr>
<td>Humanities requirements</td>
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</table>

Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EGP 209</td>
<td>Child Development: Prebirth - 5 Years</td>
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<tr>
<td>WRT 120</td>
<td>Effective Writing</td>
<td>3</td>
</tr>
<tr>
<td>MAT 101</td>
<td>Mathematics for Teachers of Children I</td>
<td>3</td>
</tr>
<tr>
<td>SCI 101</td>
<td>The Carbon Cycle</td>
<td>3</td>
</tr>
<tr>
<td>EDA 103</td>
<td>Foundations of Special Education</td>
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<td>Credits</td>
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Semester Two

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>EGP 210</td>
<td>Middle Childhood &amp; Adolescent Development</td>
<td>3</td>
</tr>
<tr>
<td>WRT 200</td>
<td>Critical Writing and Research</td>
<td>3</td>
</tr>
<tr>
<td>MAT 102</td>
<td>Mathematics for Teachers of Children II</td>
<td>3</td>
</tr>
<tr>
<td>SCI 102</td>
<td>Electricity With Physical And Bio Applic</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Minimum Credits Required 120
B.S.ED. IN MIDDLE GRADES PREPARATION GRADES 4-8

College of Education and Social Work

Curriculum

General Education Requirements (for catalog.wcupa.edu/undergraduate/general-education-requirements)

- English Composition requirements: 6
- Mathematics requirement: 3
- MAT 101: 3
- Public Speaking requirement: 3
- Science Requirements: 6
  - Fulfilled by required science content
- Behavioral & Social Science requirements: 6
- GE 101 and PSC 100: 3
- Humanities requirements: 6
  - LIT 220 must be one of the Humanities courses
- Arts requirement: 3
- Diverse Communities requirement: 3
- ENG 382 or LAN 382: 3
- Interdisciplinary requirement: 3
- ESS 102, SCB 102 or SCB 210: 3
- Student Electives: 9

Nine credits of general education electives are required for graduation. Students wishing to graduate earning 123 credits and be eligible for grades 4-8 certification must utilize their electives to complete their chosen area(s) of concentration.

Writing Emphasis requirements: 9

Major Requirements

- EDP 200: Middle Grades Cognition: 3
- EDP 201: Young Adolescent/Age ואח lexer Development and Learning Theories: 3
- EDA 103: Foundations of Special Education: 3
- MGP 220: Field Experience: Middle Level Environment: 3
- EDR 345: Literacy Development and Students in Inclusive Classrooms: 3
- MGP 335: Teaching Social Studies in Middle Grades: 3
- SCE 330: Science Methods for Middle Level (4-8): 3
- EDA 303: Special Ed: Processes/Procedures for General Educators: 2
- EDM 349: Technology Tools to Transform Teaching and Learning: 1
- EDP 354: Assessment for Learning: Middle Grades: 3
- MGP 410: Student Teaching: 6
- MGP 411: Student Teaching: 6

Related/Cognate Requirements

Students wishing to obtain certification to teach in grades 4-8 must complete a minimum of 12 credit hours of related course work in one of four academic content areas: mathematics, reading/language arts, science, and social studies.

Students must complete a total of 30 credits of concentrated course work in one of the four areas or 21 credits of concentrated course work in two of the four areas. Students choosing two, 21-credit concentrations must include math or science as one of the two areas. Related credits are applied toward the concentrations. See the department's degree guidance sheet for courses in the 21- and 30-credit options. Students are encouraged to choose their concentration(s) based on their area(s) of interest for teaching grades 7 and 8.

- MAT 101: Mathematics for Teachers of Children I: 3
- MAT 102: Mathematics for Teachers of Children II: 3
- MAT 351: Methods for Teaching Children Math: 3
- MAT 353: Methods for Teaching Middle School Mathematics: 3

Credits: 120
**MINOR IN EARLY CHILDHOOD EDUCATION**

**College of Education and Social Work**

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
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<td>Orientation to Early Childhood</td>
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<tr>
<td>EGP 209</td>
<td>Child Development: Prebirth - 5 Years</td>
<td>3</td>
</tr>
<tr>
<td>ECE 225</td>
<td>Infant Development and Field</td>
<td>6</td>
</tr>
<tr>
<td>EGP 322</td>
<td>Pre-K Methods and Field</td>
<td>6</td>
</tr>
</tbody>
</table>

**Sample Course Plan**

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The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

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<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>WRT 120</td>
<td>Effective Writing I</td>
<td>3</td>
</tr>
<tr>
<td>EDP 200</td>
<td>Middle Grades Cognition</td>
<td>3</td>
</tr>
<tr>
<td>MAT 101</td>
<td>Mathematics for Teachers of Children I</td>
<td>3</td>
</tr>
<tr>
<td>GEO 101</td>
<td>World Geography</td>
<td>3</td>
</tr>
<tr>
<td>ESS 102</td>
<td>Humans and the Environment</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Credits</strong></td>
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</table>

**Year Two**

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>MGP 220</td>
<td>Field Experience: Middle Level Environment</td>
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**Year Three**

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<tr>
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<tbody>
<tr>
<td>MGP 335</td>
<td>Teaching Social Studies in Middle Grades</td>
<td>3</td>
</tr>
<tr>
<td>EDR 318</td>
<td>Reading Instruction and Practicum 4-8</td>
<td>6</td>
</tr>
<tr>
<td>EDP 354</td>
<td>Assessment for Learning: Middle Grades</td>
<td>3</td>
</tr>
<tr>
<td>MAT 352</td>
<td>Methods for Teaching Children Mathematics II</td>
<td>3</td>
</tr>
<tr>
<td>or MAT 353</td>
<td>Methods for Teaching Middle School Math</td>
<td>3</td>
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<td><strong>Credits</strong></td>
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**Year Four**

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<tr>
<td>MGP 410</td>
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<tr>
<td>MGP 411</td>
<td>Student Teaching</td>
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<td><strong>Total Credits</strong></td>
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</table>

**MINOR IN EARLY CHILDHOOD EDUCATION**

**College of Education and Social Work**

**Required Courses**

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<td>EGP 322</td>
<td>Pre-K Methods and Field</td>
<td>6</td>
</tr>
</tbody>
</table>
The Department of Earth and Space Sciences prepares students for careers in geoscience and geoscience education. The U.S. Bureau of Labor Statistics states that employment of geoscientists is projected to grow by 21% from 2010 to 2020, faster than the average for all occupations. This geoscience degree prepares students for entry-level positions in such occupations and is also a strong foundation for people interested in pursuing advanced degrees. Geoscience is an integrated study of Earth, its geologic history, composition and structure, resources, natural hazards, atmosphere and oceans, and its environment in space. Geoscientists study such phenomena as earthquakes, landslides, floods, volcanoes, coastal erosion, and how these natural hazards impact humans. Geoscientists explore for mineral, energy, and water supplies. Geoscientists also attempt to make predictions about Earth's future based on the past. Since most human activities are related to interaction with the physical components of Earth, geoscience plays a unique and essential role in today's rapidly changing world. The Department of Earth and Space Sciences offers two bachelor of science degree programs and a certification program in general science. The department also offers minors in astronomy, geology, earth science, and science education. All programs emphasize analytical skills and build on course work in mathematics, chemistry, physics, and statistics. Written and oral communication is emphasized in a majority of the course work.

- **The B.S. in Geoscience** program offers two areas of concentration that share a common core of geology courses. Students completing either concentration are prepared for careers as professional geoscientists and possess the educational requirements to seek licensure as certified professional geologists. The Geology Concentration (p. 250) leads to occupations in managing and exploring for water, energy, and mineral resources; environmental protection, remediation, and management; mitigation of natural hazards; design of land development and management plans; geotechnical consulting; and research. Its curriculum emphasizes depth in the traditional disciplines of geology such as mineral and rock formation, paleontology, structural geology, geomorphology, and hydrogeology. The Earth Systems Concentration (p. 248) is intended for students who want a broader understanding of geoscience, astronomy, and human interactions with the environment. In addition to the geology core, students in this concentration take required courses in oceanography, meteorology, and astronomy. This concentration is excellent preparation for students pursuing careers in geoscience, the environmental industry, resource management, environmental law, or environmental policy.

- **The B.S. in Education in Earth and Space Sciences** is a professional degree program designed to prepare certified secondary school teachers with an overall science exposure and specialization in the Earth and space sciences. The program meets all guidelines established by the National Council for Accreditation of Teacher Education (NCATE), the Pennsylvania Department of Education (PDE), and the National Science Teachers’ Association (NSTA) for Earth and space science certification.

- **The certification program in General Science** enables recipients to teach science in grades 6-9. The certification program meets all guidelines established by the National Council for Accreditation of Teacher Education (NCATE) and the Pennsylvania Department of Education (PDE).

All students must consult with their advisor regularly to ensure timely completion of the degree. Students in the B.S. in education program will have a second advisor in the College of Education and Social Work to help them meet the secondary education requirements.

### Programs

#### Majors in Earth and Space Sciences

- B.S. in Geoscience - Geology Concentration (p. 250)
- B.S. in Geoscience - Geology Concentration to M.S. in Geoscience Accelerated Program (p. 250)
- B.S. in Geoscience - Earth Systems Concentration (p. 248)
- B.S. in Geoscience - Earth Systems Concentration to M.S. in Geoscience Accelerated Program (p. 248)
- B.S.Ed. in Earth and Space Sciences (p. 251)

#### Minors in Earth and Space Sciences

- Astronomy (p. 253)
- Earth Science (p. 253)
- Geology (p. 253)
- Science Education (p. 253)

#### Certificates in Earth and Space Sciences

- General Science Certification (p. 254)
Graduate Opportunities
See the graduate catalog for more information on the Earth and Space Sciences programs. (http://catalog.wcupa.edu/graduate/sciences-mathematics/earth-space-sciences)

Policies
• See undergraduate admissions information. (p. 11)
• See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

Accelerated Program Policy
Refer to the Accelerated Programs page (p. 129) for more information.

Faculty

Professors
Richard M. Busch (rbusch@wcupa.edu) (1990)
A.B., Franklin and Marshall College; M.A., Temple University; Ph.D., University of Pittsburgh
Marc Gagné (mgagne@wcupa.edu) (1999)
Assistant Chairperson, Earth and Space Sciences
B.S., University of Montreal; Ph.D., University of Georgia
Martin Helmke (mhelmke@wcupa.edu) (2005)
B.S., Antioch College; Ph.D., Iowa State University
Timothy Lutz (tlutz@wcupa.edu) (1998)
B.A., Wesleyan University; Ph.D., University of Pennsylvania
Elizabeth Leann Srogi (lsrogi@wcupa.edu) (1991)
B.S., Yale University; Ph.D., University of Pennsylvania

Associate Professors
Howell Bosbyshell (hbosbyshell@wcupa.edu) (2011)
Graduate Coordinator, Earth and Space Sciences
B.S., West Chester University; Ph.D., Bryn Mawr College
Cynthia Hall (chall@wcupa.edu) (2008)
B.S., Howard University; Ph.D., Georgia Institute of Technology
Joby Hilliker (jhilliker@wcupa.edu) (2004)
Chairperson, Earth and Space Sciences
B.S., M.S., Ph.D., Pennsylvania State University
Daria Nikitina (dnikitina@wcupa.edu) (2006)
M.S., Moscow State University; Ph.D., University of Delaware
Karen M. Schwarz (kschwarz@wcupa.edu) (2005)
B.S., New Mexico Institute of Mining and Technology; Ph.D., Arizona State University

Assistant Professors
Yong Hoon Kim (ykim@wcupa.edu) (2016)
B.S., M.S., Seoul National University, Korea; Ph.D., University of South Carolina
Christopher Roemmele (croemmele@wcupa.edu) (2017)
B.A., Franklin and Marshall; M.A., Kean University; Ph.D., Purdue University

Courses

ESC
ESC 199. Transfer Credits (Graduate). 1-10 Credits.
Transfer Credits.
Repeatable for Credit.

ESL

ESL 199. Transfer Credits. 1 Credit.
Transfer Credits.
Repeatable for Credit.

ESS

ESS 101. Introduction to Geology. 3 Credits.
LEC (2), LAB (2)
The earth's composition and history; the processes that occur on and within the earth. Two hours of lecture and two hours of lab.
Gen Ed Attribute: Science Distributive Requirement.
Typically offered in Fall, Spring & Summer.

ESS 102. Humans and the Environment. 3 Credits.
A study of the ability of humans to survive and maintain their life quality, considering the limited resources and recycling capacity of planet Earth. Note: Students completing ESS 102 may not take SCB 102 or ENV 102 for credit.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Fall, Spring & Summer.
Cross listed courses SCB 102, ENV 102, ESS 102.

ESS 111. Other Worlds, Other Stars. 3 Credits.
An introductory course in astronomy. Topics will focus on the observable changes in the night sky, the properties of light, the laws of motion, the formation and composition of the solar system, extra solar planets, the properties of stars, stellar evolution and stellar death.
Gen Ed Attribute: Science Distributive Requirement.
Typically offered in Fall & Spring.

ESS 112. Galaxies and Cosmology. 3 Credits.
An introductory general education course in astronomy. Topics will focus on the properties of light and matter, the evolution of stars and galaxies, and the expansion, structure, history and fate of the universe. Three hours of lecture.
Gen Ed Attribute: Science Distributive Requirement.
Typically offered in Fall & Spring.

ESS 125. Volcanoes. 3 Credits.
LEC (3), LAB (2)
Where do volcanoes occur and why? What happens when volcanoes erupt, and what controls eruptions? What roles have volcanoes played in human history and human culture? How do geologists study volcanoes in order to forecast eruptions and reduce the risks for human populations? This course explores these questions using print, multimedia and Internet sources. Students will learn how to interpret geological information in order to assess volcanic hazards and forecast volcanic eruptions.
Typically offered in Fall & Spring.

ESS 130. Our Coastal Ocean. 3 Credits.
LEC (2), LAB (2)
This course examines the physical and biological processes at work in the coastal oceans. The content will be discussed in the framework of regional examples.
Gen Ed Attribute: Science Distributive Requirement.
Typically offered in Fall & Spring.

ESS 170. Introduction to Our Atmosphere. 3 Credits.
Why is the sky blue? What will the weather be tomorrow? What makes tornadoes? How did the ozone hole develop? What is the greenhouse effect? This class will use these questions and others to investigate the basic physical processes that determine the weather and climate on earth. A student who has successfully completed ESS 370 may not subsequently receive credit for ESS 170.
Gen Ed Attribute: Science Distributive Requirement.
Distance education offering may be available.
Typically offered in Fall & Spring.
ESS 201. Field Geology. 3 Credits.
An introduction to the basic methods of geologic data collection in the field; analysis, and presentation; literature research; and report writing. One weekend field trip is required.
Pre / Co requisites: ESS 201 requires a prerequisite of ESS 101.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

ESS 204. Historical Geology. 3 Credits.
LEC (2), LAB (2)
An examination of how Earth has evolved over geologic time, from its origin as a tiny lifeless planetesimal to its present state as a dynamic planetary system teaming with life. Rocks, fossils, and other evidence of Earth's past are analyzed and evaluated with knowledge of modern physical and biological processes to infer Earth's history, understand its present state, and predict its future. Laboratory included. Recommended for students who have completed ESS 101 or another introductory (100-level) science course.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

ESS 301. Environmental Geochemistry. 3 Credits.
An introduction to principles and applications of geochemistry to geologic systems, including surface and ground waters, soils, and rocks.
Pre / Co requisites: ESS 301 requires prerequisites of CHE 103 and ESS 101.
Typically offered in Spring.

ESS 302. Mineralogy. 3 Credits.
LEC (2), LAB (2)
In-depth survey of the formation, identification, classification, and uses of minerals. Principles of symmetry, crystallography, crystal chemistry, and optical mineralogy. Laboratory and field examination and analysis of minerals.
Pre / Co requisites: ESS 302 requires prerequisites of ESS 101 and ESS 204 and CHE 103.
Typically offered in Fall.

ESS 307. Geology of the Solar System. 3 Credits.
The geology, origin, evolution, and properties of planets, comets, asteroids, moons, and meteorites.
Typically offered in Spring.

ESS 311. Introduction to Astronomy. 3 Credits.
LEC (0), LAB (0)
LAB, LEC An introduction to astronomy and astrophysics. Topics include celestial mechanics, the properties of light, matter and energy, the formation of stars and planets, stellar evolution, galaxies, and cosmology. Two hours of lecture and two hours of lab.
Pre / Co requisites: ESS 311 requires a prerequisite of MAT 115 or MAT 131 or MAT 143 or MAT 161.
Typically offered in Fall.

ESS 321. Geometrics. 3 Credits.
Application of computational and statistical methods to geologic problems. Geologic sampling, data comparisons in environmental, petrologic, paleontologic, and geochemical problems. Typically offered in Fall.

ESS 322. Gen'1 Geol Field Studies of SE Pennsylvania. 3 Credits.
Occurrence, relationships, and geologic history of the rocks, minerals, and soils of this area, studied at representative locations.
Pre / Co requisites: ESS 322 requires prerequisite of ESS 302.
Typically offered in Summer.

ESS 327. Electron Microscopy I. 3 Credits.
A one-semester lecture/laboratory course in theory operation and applications of electron beam technology in scientific research. Students receive hands-on training and complete a brief research project of their choosing.
Pre / Co requisites: ESS 327 requires prerequisite: 6 credits of science.
Typically offered in Fall & Spring.

ESS 330. Introduction to Oceanography. 3 Credits.
LEC (2), LAB (2)
A survey of our present knowledge of the waters and floors of the oceans.
Pre / Co requisites: ESS 330 requires prerequisite of ESS 101.
Typically offered in Fall & Spring.

ESS 331. Introduction to Paleontology. 3 Credits.
LEC (2), LAB (2)
Identification and study of common fossils in order to understand their life processes and geologic significance.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Spring.

ESS 332. Advanced Oceanography. 3 Credits.
An advanced course in oceanography covering marine resources, oceanographic literature, animal-sediment relationships, field techniques, estuaries, salt marshes, sea level changes, and pollution.
Pre / Co requisites: ESS 332 requires prerequisite of ESS 330.
Typically offered in Spring.

ESS 336. Environmental Geology. 3 Credits.
The application of geological information to human problems encountered in natural phenomena, such as flooding, earthquakes, coastal hazards, and man-made concerns, including waste disposal, land use, and global change.
Pre / Co requisites: ESS 336 requires prerequisite of ESS 101.
Typically offered in Spring.

ESS 337. Earth & Space Science Seminar. 1 Credit.
One credit weekly seminar featuring guest lectures by Geoscience professionals, prominent scientists, faculty and students. Students will read professional literature, attend and participate in the lecture, and write a summary and/or analysis of each seminar. Typically offered in Fall.
Repeatable for Credit.

ESS 344. Geomorphology II. 3 Credits.
A continuation of the study of earth surface processes. Interpretation of topographic maps and air photos.
Pre / Co requisites: ESS 344 requires prerequisite of ESS 343.

ESS 347. History of Astronomy. 3 Credits.
Development of astronomical theories from the ancient Greeks until the 20th century.
Typically offered in Spring.

ESS 355. Intermediate Astronomy. 3 Credits.
LEC (2), LAB (2)
An analytical and qualitative analysis of selected astronomical phenomena. Topics include telescope optics (including photographic and photoelectric attachments), lunar and planetary orbits, stellar motions and magnitudes, galactic classifications, and distances. Two hours of lecture and two hours of lab.
Pre / Co requisites: ESS 355 requires prerequisite of ESS 111.

ESS 361. Advanced Meteorology. 3 Credits.
A study of the principles governing the earth’s atmosphere and how these principles determine weather conditions.
Pre / Co requisites: ESS 361 requires prerequisite of ESS 111.

ESS 371. Advanced Meteorology. 3 Credits.
A continuation of the study of the principles governing the earth’s atmosphere and how these principles determine weather conditions.
Pre / Co requisites: ESS 371 requires prerequisite of ESS 370.
Typically offered in Spring.
ESS 394. Geology of Northwestern National Parks. 4 Credits.
This course includes a field trip to the national parks in South Dakota, Wyoming, Montana, Idaho, northern Utah, and Colorado. The purpose of the course is to look at the geologic features of the national parks in these states and to develop an appreciation of the geology and geologic history of the region.
Consent: Permission of the Department required to add.

ESS 395. Geology of Southwestern National Parks. 4 Credits.
The course includes a field trip to the national parks in New Mexico, Arizona, southern Utah, and Colorado to look at the geologic features of these parks and to develop an appreciation of the geology and geologic history of the region.
Consent: Permission of the Department required to add.

ESS 405. Igneous and Metamorphic Petrology. 3 Credits.
LEC (2), LAB (2)
Theories of the formation of igneous and metamorphic rocks based on field occurrence, physical properties, geochemistry, thermodynamics, and petrography. Classification and identification of rocks. Laboratory and field examination of rocks.
Pre / Co requisites: ESS 201 requires prerequisites of ESS 201 and ESS 302.
Typically offered in Spring.

ESS 420. Structural Geology. 3 Credits.
LEC (2), LAB (2)
Determination of the sequential development and the forces involved in the various structural features of the earth.
Pre / Co requisites: ESS 420 requires prerequisites of ESS 201 and ESS 302.
Typically offered in Spring.

ESS 435. Remote Sensing. 3 Credits.
LEC (1), LAB (2)
An introduction to the science and technology of remote sensing and the applications of remote sensing data to geology, oceanography, meteorology, and the environment. Includes a discussion of the history and principles of remote sensing; fundamentals of electromagnetic radiation; theory and types of active and passive remote sensing systems; fundamentals of image interpretation; digital analysis of LANDSAT and AVHRR data; operation of environmental satellites; and future imaging systems.
Typically offered in Spring.

ESS 439. Hydrogeology. 3 Credits.
This applied course covers groundwater flow, well hydraulics, water resources, contaminant transport, and groundwater remediation. Familiarity with calculus is recommended.
Pre / Co requisites: ESS 439 requires prerequisite of ESS 301.
Typically offered in Spring.

ESS 442. Geophysics. 3 Credits.
Gravitational, magnetic, seismic (refraction and reflection), and electrical properties of rocks and minerals in the earth. Physical principles of the earth; geophysics in relation to economic deposits.
Pre / Co requisites: ESS 442 requires prerequisites of PHY 140 or PHY 180 and MAT 162.

ESS 447. Earth and Space Science Seminar. 1 Credit.
A one credit weekly seminar featuring guest lectures by Geoscience professionals, prominent scientists, faculty and students. Each week students will read professional literature, attend and participate in the lecture, and write a summary and/or analysis of each seminar.
Pre / Co requisites: ESS 447 requires prerequisite of ESS 347 or department consent.
Typically offered in Fall.
Repeatable for Credit.

ESS 450. Sedimentation & Stratigraphy. 3 Credits.
LEC (2), LAB (2)
LAB, LEC Class, laboratory, and field studies of sediments, sedimentary rocks, depositional processes and environments, and diagenesis. Description, mapping, and correlation of strata to infer temporal-spatial relationships, locate resources, and interpret Earth history.
Pre / Co requisites: ESS 450 requires prerequisites: ESS 301, 302, 331 and 343.
Typically offered in Fall.

ESS 460. Internship. 1-18 Credits.
Contact department for more information about this course.
Repeatable for Credit.

ESS 480. Special Problems. 1-3 Credits.
Reports on special topics and current developments in the earth and space sciences.
Repeatable for Credit.

ESS 490. Fundamentals of Soils. 3 Credits.
LEC (2), LAB (2)
Soil properties, classification, and genesis from geologic, agricultural, and engineering perspectives. Topics include pedology, soil physics, geotechnical engineering, erosion, septic systems, soil contamination, and remediation.
Pre / Co requisites: ESS 490 requires prerequisite of ESS 101.
Typically offered in Fall.

ESS 491. Independent Studies. 1-3 Credits.
Contact department for more information about this course.
Repeatable for Credit.

SCE

SCE 320. Science Methods for Grades PK-4. 3 Credits.
A science methods course for PreK-4 teachers to master classroom and materials preparation and the design of developmentally effective instruction and assessment. Teachers learn methods that promote children’s ability to do inquiry and master PA academic standards in science and technology and environment and ecology.
Pre / Co requisites: Formal Admission Teacher Ed.
Typically offered in Fall, Spring & Summer.

SCE 330. Science Methods for Middle Level (4-8). 3 Credits.
A course to prepare the middle level teachers for teaching science with a focus on the developmental and pedagogical needs of middle level students. Teacher candidates will apply science content, develop knowledge how students learn science, explore materials and resources, and learn how to plan and access effective standards based middle level science instruction.
Pre / Co requisites: Formal Admission Teacher Ed.
Typically offered in Fall & Spring.

SCE 350. Science Education in the Secondary School. 3 Credits.
Philosophy, objectives, and methods of teaching science. This is an Early Field Experience course with observation hours are completed in schools. Students must have current clearances for TB, criminal background, FBI, and child abuse before they can be assigned to schools to perform course assignments/other requirements. For the WCU policies on clearances, select the "Teacher Education Center" on the College of Education Web site.
Pre / Co requisites: SCE 350 requires formal admission into teacher education.
Gen Ed Attribute: Diversity Requirement, Writing Emphasis.
Typically offered in Fall.

SCI

SCI 101. The Carbon Cycle. 3 Credits.
An exploration of how the carbon cycle connects earth and life, through photosynthesis, respiration, decay, rock formation and weathering, and plate tectonics. Humans have altered the carbon cycle by burning fossil fuels. Students investigate the carbon cycle on the WCU campus and consider the implications for global warming. Team taught with the Department of Biology.
Pre / Co requisites: SCI 101 requirement - Education majors only.
Typically offered in Fall & Spring.

B.S. IN GEOSCIENCE - EARTH SYSTEMS CONCENTRATION

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition requirements</td>
<td>6</td>
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<tr>
<td>Mathematics requirements</td>
<td>3</td>
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<tr>
<td>Public Speaking requirement</td>
<td>3</td>
</tr>
<tr>
<td>Science requirements</td>
<td>6</td>
</tr>
<tr>
<td>Behavioral &amp; Social Science</td>
<td>6</td>
</tr>
<tr>
<td>Humanities requirements</td>
<td>6</td>
</tr>
<tr>
<td>Arts requirement</td>
<td>3</td>
</tr>
<tr>
<td>Diverse Communities requirement</td>
<td>3</td>
</tr>
<tr>
<td>Interdisciplinary requirement</td>
<td>3</td>
</tr>
<tr>
<td>Student Electives</td>
<td>9</td>
</tr>
</tbody>
</table>
Writing Emphasis requirements

**Major Core Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESS 101</td>
<td>Introduction to Geology</td>
<td>3</td>
</tr>
<tr>
<td>ESS 201</td>
<td>Field Geology</td>
<td>3</td>
</tr>
<tr>
<td>ESS 204</td>
<td>Historical Geology</td>
<td>3</td>
</tr>
<tr>
<td>ESS 301</td>
<td>Environmental Geochemistry</td>
<td>3</td>
</tr>
<tr>
<td>ESS 302</td>
<td>Mineralogy</td>
<td>3</td>
</tr>
<tr>
<td>ESS 331</td>
<td>Introduction to Paleontology</td>
<td>3</td>
</tr>
<tr>
<td>ESS 343</td>
<td>Geomorphology</td>
<td>3</td>
</tr>
<tr>
<td>ESS 405</td>
<td>Igneous and Metamorphic Petrology</td>
<td>3</td>
</tr>
<tr>
<td>ESS 420</td>
<td>Structural Geology</td>
<td>3</td>
</tr>
<tr>
<td>ESS 450</td>
<td>Sedimentation &amp; Stratigraphy</td>
<td>3</td>
</tr>
<tr>
<td>CHE 103</td>
<td>General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CRL 103</td>
<td>Experimental General Chemistry I (LAB)</td>
<td>1</td>
</tr>
<tr>
<td>PHY 130</td>
<td>General Physics I</td>
<td>4</td>
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<tr>
<td>or PHY 170</td>
<td>Physics I</td>
<td></td>
</tr>
<tr>
<td>MAT 121</td>
<td>Introduction to Statistics I</td>
<td>3</td>
</tr>
</tbody>
</table>

**Other Major Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESS/SCB/ENV 102</td>
<td>Humans and the Environment</td>
<td>3</td>
</tr>
<tr>
<td>or SCB 210</td>
<td>The Origin of Life and the Universe</td>
<td></td>
</tr>
<tr>
<td>ESS 311</td>
<td>Introduction to Astronomy</td>
<td>3</td>
</tr>
<tr>
<td>ESS 330</td>
<td>Introduction to Oceanography</td>
<td>3</td>
</tr>
<tr>
<td>ESS 347</td>
<td>Earth &amp; Space Science Seminar</td>
<td>1</td>
</tr>
<tr>
<td>ESS 370</td>
<td>Introduction to Meteorology</td>
<td>3</td>
</tr>
<tr>
<td>ESS 447</td>
<td>Earth and Space Science Seminar</td>
<td>1</td>
</tr>
<tr>
<td>MAT 115</td>
<td>Algebra, Functions, and Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>or MAT 131</td>
<td>Precalculus</td>
<td></td>
</tr>
<tr>
<td>BIO 110</td>
<td>General Biology (grade of C- or higher required)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Earth and Space Science Electives**

Select any two ESS courses at the 300 or 400 level

Select other 200-400 level ESS electives to reach 120 credits

A grade of C- or better must be achieved for all required courses within the department including the required electives, as well as those in biology, chemistry, math, and physics.

**Total Minimum Credits Required**

120

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### Accelerated B.S. in Geoscience - Earth Systems to M.S. in Geoscience Program

Any junior Geoscience-Earth Systems student with a 3.0 cumulative GPA or higher may substitute up to 9 graduate credits to satisfy the B.S. program.

**Elective Courses**

Select from the courses below:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESS 507</td>
<td>Geology of the Solar System</td>
<td></td>
</tr>
<tr>
<td>ESS 527</td>
<td>Electron Microscopy I</td>
<td></td>
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<tr>
<td>ESS 532</td>
<td>Advanced Oceanography</td>
<td></td>
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<tr>
<td>ESS 535</td>
<td>Remote Sensing</td>
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</tr>
<tr>
<td>ESS 542</td>
<td>Geophysics</td>
<td></td>
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<tr>
<td>ESS 544</td>
<td>Geomorphology II</td>
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<tr>
<td>ESS 548</td>
<td>International Geology Field Studies</td>
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<tr>
<td>ESS 549</td>
<td>Advanced Hydrogeology</td>
<td></td>
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<tr>
<td>ESS 555</td>
<td>Intermediate Astronomy</td>
<td></td>
</tr>
<tr>
<td>ESS 562</td>
<td>History of Astronomy</td>
<td></td>
</tr>
<tr>
<td>ESS 571</td>
<td>Advanced Meteorology</td>
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<tr>
<td>ESS 580</td>
<td>Special Problems</td>
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<tr>
<td>ESS 590</td>
<td>Fundamentals of Soil</td>
<td></td>
</tr>
<tr>
<td>ESS 591</td>
<td>Independent Study</td>
<td></td>
</tr>
</tbody>
</table>

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### Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

<table>
<thead>
<tr>
<th>Year One</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td><strong>Semester One</strong></td>
<td><strong>Introduction to Geology</strong></td>
<td>3</td>
</tr>
<tr>
<td>or <strong>MAT 115</strong></td>
<td><strong>Algebra, Functions, and Trigonometry</strong></td>
<td>3</td>
</tr>
<tr>
<td>or <strong>MAT 121</strong></td>
<td><strong>Introduction to Statistics I</strong></td>
<td>3</td>
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<tr>
<td><strong>WRT 120</strong></td>
<td><strong>Effective Writing I</strong></td>
<td>3</td>
</tr>
<tr>
<td><strong>Gen Ed Soc/Behav Course</strong></td>
<td>3</td>
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<td><strong>Gen Ed Elective</strong></td>
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**Semester Two**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td><strong>MAT 121</strong></td>
<td><strong>Introduction to Statistics I</strong></td>
<td>3</td>
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<tr>
<td>or <strong>MAT 115</strong></td>
<td><strong>Algebra, Functions, and Trigonometry</strong></td>
<td>3</td>
</tr>
<tr>
<td><strong>BIO 110</strong></td>
<td><strong>General Biology</strong></td>
<td>3</td>
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<tr>
<td><strong>Gen Ed Soc/Behav</strong></td>
<td>3</td>
<td></td>
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<tr>
<td><strong>ESS 204</strong></td>
<td><strong>Historical Geology (W)</strong></td>
<td>3</td>
</tr>
<tr>
<td>or <strong>ESS 201</strong></td>
<td><strong>Field Geology</strong></td>
<td>3</td>
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</tbody>
</table>

Select one of the following:

WRT 204 | Critical Writing: Approaches to Pop Culture | 3       |
WRT 205 | Critical Writing: Investigating Experience | 3       |
WRT 206 | Critical Writing: Multidisciplinary Imagination | 3       |
WRT 208 | Critical Writing: Entering Public Sphere | 3       |
WRT 220 | Critical Writing: Special Topics | 3       |

**Year Two**

| **Semester Three** | **Field Geology (W)** | 3       |
| or **ESS 204** | **Historical Geology** | 3       |
| **ESS 311** | **Introduction to Astronomy** | 3       |
| **CHE 103** | **General Chemistry I** | 4       |
| & **CRL 103** | **and Experimental General Chemistry I (LAB)** | 1       |
| **ESS 480** | **Special Problems** | 1       |
| **Gen Ed Hum Course** | 3       |
| **Gen Ed “J” course** | 3       |

**Semester Four**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td><strong>ESS 102</strong></td>
<td><strong>Humans and the Environment (I)</strong></td>
<td>3</td>
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<tr>
<td>or <strong>SCB 210</strong></td>
<td><strong>The Origin of Life and the Universe</strong></td>
<td>3</td>
</tr>
<tr>
<td><strong>ESS 301</strong></td>
<td><strong>Environmental Geochemistry</strong></td>
<td>3</td>
</tr>
<tr>
<td><strong>ESS 302</strong></td>
<td><strong>Mineralogy</strong></td>
<td>3</td>
</tr>
<tr>
<td><strong>Gen Ed Hum Course</strong></td>
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</table>
B.S. IN GEOSCIENCE - GEOLOGY CONCENTRATION

Year Three

Semester Five

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>ESS 330</td>
<td>Introduction to Oceanography</td>
<td>3</td>
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<tr>
<td>ESS 347</td>
<td>Earth &amp; Space Science Seminar</td>
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</tr>
<tr>
<td>ESS 370</td>
<td>Introduction to Meteorology</td>
<td>3</td>
</tr>
<tr>
<td>PHY 130</td>
<td>General Physics I</td>
<td>4</td>
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<tr>
<td>ESS 480</td>
<td>Special Problems</td>
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<tr>
<td>ESS 302</td>
<td>Mineralogy</td>
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**Total Credits:** 15-16

Semester Six

<table>
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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>ESS 331</td>
<td>Introduction to Paleontology</td>
<td>3</td>
</tr>
<tr>
<td>ESS 343</td>
<td>Geomorphology</td>
<td>3</td>
</tr>
<tr>
<td>Gen Ed SPK Course</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ESS 405</td>
<td>Igneous and Metamorphic Petrology</td>
<td>3</td>
</tr>
<tr>
<td>ESS 420</td>
<td>Structural Geology</td>
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**Total Credits:** 15

Year Four

Semester Seven

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<tr>
<td>ESS 447</td>
<td>Earth and Space Science Seminar</td>
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<tr>
<td>ESS 450</td>
<td>Sedimentation &amp; Stratigraphy</td>
<td>3</td>
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<tr>
<td>Gen Ed Art Course</td>
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<td>3</td>
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**Total Credits:** 16

Semester Eight

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<tbody>
<tr>
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<td>ESS elective</td>
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<tr>
<td>Gen Ed Elective</td>
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<td>3</td>
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<tr>
<td>Elective: Recommend PHY 140</td>
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<td>3-4</td>
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<tr>
<td>Elective</td>
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<td>3</td>
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</table>

**Total Credits:** 15-16

**Total Minimum Credits Required:** 120

**Other Major Requirements**

- ESS 347: Earth & Space Science Seminar
- ESS 439: Hydrogeology
- ESS 447: Earth and Space Science Seminar
- ESS/SCB/ENV 102: Humans and the Environment

Select one of the following:

- ESS 321: Geometrics
- GEO 324: Intro to Geographic Information Systems
- GEO 325: Intro to GIS
- CSC 115: Introduction to Computer Programming

**Earth and Space Science Electives**

Select any three ESS courses at the 300 or 400 level

A grade of C- or better must be achieved for all required courses within the department including the required electives, as well as those in biology, chemistry, math, and physics.

**Sample Course Plan**

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

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**B.S. IN GEOSCIENCE - GEOLOGY CONCENTRATION**

**Curriculum**

**General Education Requirements** ([http://catalog.wcupa.edu/undergraduate/general-education-requirements](http://catalog.wcupa.edu/undergraduate/general-education-requirements))

- English Composition requirements: 6
- Mathematics requirement: 3
- Public Speaking requirement: 3
- Science requirements: 6
- Behavioral & Social Science requirements: 6
- Humanities requirements: 6
- Arts requirement: 3
- Diverse Communities requirement: 3
- Interdisciplinary requirement: 3
- Student Electives: 9
- Writing Emphasis requirements: 9

**Major Core Requirements**

- ESS 101: Introduction to Geology: 3
- ESS 201: Field Geology: 3
- ESS 204: Historical Geology: 3
- ESS 301: Environmental Geochemistry: 3
- ESS 302: Mineralogy: 3
- ESS 331: Introduction to Paleontology: 3
- ESS 343: Geomorphology: 3
- ESS 405: Igneous and Metamorphic Petrology: 3
- ESS 420: Structural Geology: 3
- ESS 450: Sedimentation & Stratigraphy: 3
- CHE 103: General Chemistry I: 3
- CRL 103: Experimental General Chemistry I (LAB): 1
- PHY 130: General Physics I: 4
- PHY 170: Physics I
- MAT 143: Brief Calculus: 3
- MAT 161: Calculus I
- ESS 447: Earth and Space Science Seminar: 1
- ESS 527: Electron Microscopy I
- ESS 532: Advanced Oceanography
- ESS 535: Remote Sensing
- ESS 542: Geophysics
- ESS 544: Geomorphology II
- ESS 548: International Geology Field Studies
- ESS 549: Advanced Hydrogeology
- ESS 550: Sedimentation & Stratigraphy
- ESS 562: History of Astronomy
- ESS 571: Advanced Meteorology
- ESS 580: Special Problems
- ESS 590: Fundamentals of Soil
- ESS 591: Independent Study
- ESS 594: Geology of Northwestern National Parks
- ESS 595: Geology of Southwestern National Parks

Elective Courses

Choose from the following:

- ESS 507: Geology of the Solar System
- ESS 527: Electron Microscopy I
- ESS 532: Advanced Oceanography
- ESS 535: Remote Sensing
- ESS 542: Geophysics
- ESS 544: Geomorphology II
- ESS 548: International Geology Field Studies
- ESS 549: Advanced Hydrogeology
- ESS 550: Sedimentation & Stratigraphy
- ESS 562: History of Astronomy
- ESS 571: Advanced Meteorology
- ESS 580: Special Problems
- ESS 590: Fundamentals of Soil
- ESS 591: Independent Study
- ESS 594: Geology of Northwestern National Parks
- ESS 595: Geology of Southwestern National Parks

**Sample Course Plan**

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.
The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td><strong>Year One</strong></td>
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<tr>
<td><strong>Semester One</strong></td>
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<tr>
<td>ESS 101</td>
<td>Introduction to Geology</td>
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<tr>
<td>MAT 115 or MAT 121</td>
<td>Algebra, Functions, and Trigonometry or Introduction to Statistics I</td>
<td>3</td>
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<td>WRT 120</td>
<td>Effective Writing I</td>
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<td>Gen Ed Soc/Behav</td>
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<td>Gen Ed Elective</td>
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<td>15</td>
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<tr>
<td><strong>Semester Two</strong></td>
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<tr>
<td>MAT 121 or MAT 115</td>
<td>Introduction to Statistics I or Algebra, Functions, and Trigonometry</td>
<td>3</td>
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<td>ESS 204</td>
<td>Historical Geology (or 201 Gen Ed “W” course)</td>
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<tr>
<td>Gen Ed Soc/Behav</td>
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<td>Gen Ed Elective</td>
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<td>WRT 204</td>
<td>Critical Writing: Approaches to Pop Culture</td>
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<td>WRT 205</td>
<td>Critical Writing: Investigating Experience</td>
<td></td>
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<tr>
<td>WRT 206</td>
<td>Critical Writing: Multidisciplinary Imagination</td>
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</tr>
<tr>
<td>WRT 208</td>
<td>Critical Writing: Entering Public Sphere</td>
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</tr>
<tr>
<td>WRT 220</td>
<td>Critical Writing: Special Topics</td>
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</tr>
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<td><strong>Credits</strong></td>
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<td>15</td>
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<tr>
<td><strong>Year Two</strong></td>
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<td>ESS 201</td>
<td>Field Geology (or 204 Gen Ed “W” course)</td>
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<td>ESS Elective: recommend GEO 324</td>
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<tr>
<td>CHE 103 &amp; CRL 103</td>
<td>General Chemistry I and Experimental General Chemistry I (LAB)</td>
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<td>ESS 480</td>
<td>Special Problems</td>
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<td>Gen Ed Hum</td>
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<td>Gen Ed “J” course</td>
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<td><strong>Credits</strong></td>
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<td>ESS 102</td>
<td>Humans and the Environment (“I” course)</td>
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<td>Environmental Geochemistry</td>
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<td>MAT 143 or MAT 161</td>
<td>Brief Calculus or Calculus I</td>
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<td>ESS 331</td>
<td>Introduction to Paleontology (Gen Ed “W” course)</td>
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<td><strong>Credits</strong></td>
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<td><strong>Year Three</strong></td>
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<td><strong>Semester Five</strong></td>
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<td>ESS 302</td>
<td>Mineralogy</td>
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<tr>
<td>ESS 347</td>
<td>Earth &amp; Space Science Seminar</td>
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</table>

**B.S.ED. IN EARTH AND SPACE SCIENCES**

**Curriculum**

All students seeking a B.S.Ed. must formally apply for admission to teacher education. See the "Educator Preparation Programs (p. 266)" section of this catalog for an explanation of related requirements. Only those students formally admitted to teacher education will be eligible to enroll in SCE 350/SCB 350. Once admitted to teacher education, students must maintain the minimum GPA specified by the College of Education in order to continue taking advanced professional course work. If a student falls below the minimum GPA, he or she will be permitted to retake - in accordance with University policy - professional course work that contributed to the fall below the minimum GPA but will not be permitted to take additional work until the minimum is met.

**General Education Requirements**

English Composition requirements 6  
Mathematics requirement 3  
Public Speaking requirement 3  

Total Credits 126-129
Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td><strong>Year One</strong></td>
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<td></td>
</tr>
<tr>
<td><strong>Semester One</strong></td>
<td></td>
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<tr>
<td>ESS 101</td>
<td>Introduction to Geology</td>
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<tr>
<td>EDP 250</td>
<td>Educational Psychology</td>
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<td>WRT 120</td>
<td>Effective Writing I</td>
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<tr>
<td>MAT 115 or MAT 121</td>
<td>Algebra, Functions, and Trigonometry or Introduction to Statistics I</td>
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<tr>
<td>Gen Ed Soc/Beh Course</td>
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<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Credits</strong></td>
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<tr>
<td><strong>Semester Two</strong></td>
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<td>Humans and the Environment (GE &quot;I&quot; or The Origin of Life and the Universe)</td>
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<td>MAT 121 or MAT 115</td>
<td>Introduction to Statistics I or Trigonometry</td>
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<td>HIS 444</td>
<td>History of American Education (Hum GE)</td>
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<tr>
<td>Gen Ed Soc/Beh Course</td>
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<td></td>
<td><strong>Select one of the following:</strong></td>
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<tr>
<td>WRT 200</td>
<td>Critical Writing and Research</td>
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<tr>
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<td>Critical Writing: Approaches to Pop Culture</td>
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<td>WRT 205</td>
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<td>Critical Writing: Multidisciplinary Imagination</td>
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<td><strong>Year Two</strong></td>
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<td>ESS 204</td>
<td>Historical Geology (GE “W”)</td>
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<td>Introduction to Astronomy</td>
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<td>EDA 103</td>
<td>Foundations of Special Education</td>
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<td>CHE 103</td>
<td>General Chemistry I</td>
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<td>&amp; CRL 103</td>
<td>and Experimental General Chemistry I (LAB)</td>
<td>3</td>
</tr>
<tr>
<td>ESS 480</td>
<td>Special Problems</td>
<td>1</td>
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<td></td>
<td><strong>Credits</strong></td>
<td><strong>17</strong></td>
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<tr>
<td><strong>Semester Four</strong></td>
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<td>ESS 301</td>
<td>Environmental Geochemistry</td>
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<td>BIO 110</td>
<td>General Biology</td>
<td>3</td>
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<td>EDR 347</td>
<td>Literacy Development and Secondary Students with Disabilities in Inclusive Classrooms</td>
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<td>Gen Ed Art Course</td>
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<tr>
<td>Gen Ed Hum Course (LIT 165 or other LIT or CLS)</td>
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<td>Gen Ed SPK Course</td>
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<td><strong>Credits</strong></td>
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</table>
MINOR IN ASTRONOMY
College of the Sciences and Mathematics

Curriculum
Select 18 credits from among the following: 1
Students may count no more than 6 credits from the following four courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ESS 111</td>
<td>Other Worlds, Other Stars</td>
<td>3</td>
</tr>
<tr>
<td>ESS 112</td>
<td>Galaxies and Cosmology</td>
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</tr>
<tr>
<td>ESS 311</td>
<td>Introduction to Astronomy</td>
<td>3</td>
</tr>
<tr>
<td>PHY 105</td>
<td>Structure of the Universe</td>
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Students may count 12 or more credits from the following courses:

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<th>Credits</th>
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<tbody>
<tr>
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<tr>
<td>ESS 307</td>
<td>Geology of the Solar System</td>
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<tr>
<td>ESS 355</td>
<td>Intermediate Astronomy</td>
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<tr>
<td>ESS 362</td>
<td>History of Astronomy</td>
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<tr>
<td>PHY 390</td>
<td>Fundamentals of Astrophysics</td>
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</tr>
<tr>
<td>PHY 490</td>
<td>Introduction to Research</td>
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</table>

ESS 491  Independent Studies 2

Total Minimum Credits Required 18

1 Courses are selected with the approval of the department chairperson.
2 1 - 6 credits. Research topic must be approved by minor advisor.

MINOR IN EARTH SCIENCE
College of the Sciences and Mathematics

Curriculum
Courses are selected with the approval of the department chairperson.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ESS 101</td>
<td>Introduction to Geology</td>
<td>3</td>
</tr>
<tr>
<td>ESS 111</td>
<td>Other Worlds, Other Stars</td>
<td>3</td>
</tr>
<tr>
<td>ESS 330</td>
<td>Introduction to Oceanography</td>
<td>3</td>
</tr>
<tr>
<td>ESS 370</td>
<td>Introduction to Meteorology</td>
<td>3</td>
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</tbody>
</table>

Select two courses in earth science 6

Total Credits 18

MINOR IN GEOLOGY
College of the Sciences and Mathematics

Curriculum
Courses are selected with the approval of the department chairperson.

<table>
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<tr>
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<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESS 101</td>
<td>Introduction to Geology</td>
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</tr>
</tbody>
</table>

Select five additional Geology courses 15

Total Credits 18

MINOR IN SCIENCE EDUCATION
College of the Sciences and Mathematics

Curriculum
Courses are selected with the approval of the department chairperson.

Science Education
The minor includes a 12-credit generalist area (courses from four of these six areas): 12

<table>
<thead>
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<th>Course</th>
<th>Title</th>
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<td>SCI 101</td>
<td>The Carbon Cycle</td>
<td></td>
</tr>
<tr>
<td>or SCI 102</td>
<td>Electricity With Physical And Bio Applic</td>
<td></td>
</tr>
<tr>
<td>BIO 100</td>
<td>Basic Biological Science</td>
<td></td>
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<tr>
<td>or BIO 110</td>
<td>General Biology</td>
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<tr>
<td>CHE/CRL 103</td>
<td>General Chemistry I</td>
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<tr>
<td>or CHE/CRL 107 General Chemistry for Allied Health Sciences</td>
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<tr>
<td>ESS 101</td>
<td>Introduction to Geology</td>
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<tr>
<td>PHY 130</td>
<td>General Physics I</td>
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<tr>
<td>SCB 102</td>
<td>or SCB 210 or ESS 102</td>
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Select advanced course work in these areas to achieve the required 18 credit total: 6

Option 1:

<table>
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<th>Course</th>
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<tbody>
<tr>
<td>BIO 204</td>
<td>Introductory Microbiology</td>
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<tr>
<td>BIO 214</td>
<td>General Microbiology</td>
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<td>BIO 215</td>
<td>General Botany</td>
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<tr>
<td>BIO 217</td>
<td>General Zoology</td>
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Option 2:

<table>
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<tr>
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<td>General Chemistry II</td>
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<td>or CHE 230</td>
<td>Introduction to Organic and Biological Chemistry</td>
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Option 3:

<table>
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<th>Course</th>
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<tbody>
<tr>
<td>ESS 201</td>
<td>Field Geology</td>
<td></td>
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<tr>
<td>ESS 204</td>
<td>Historical Geology</td>
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### GENERAL SCIENCE CERTIFICATION

#### Curriculum

Students seeking certification in general science must either be enrolled in a B.S.Ed. program or hold a teaching certificate.

#### Math Requirements

<table>
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<th>Course</th>
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<tr>
<td>MAT 121</td>
<td>Introduction to Statistics I</td>
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<td>MAT 115</td>
<td>Algebra, Functions, and Trigonometry</td>
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<td>or MAT 131</td>
<td>Precalculus</td>
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#### Science Core Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>BIO 110</td>
<td>General Biology</td>
<td>3</td>
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<td>BIO 215</td>
<td>General Botany</td>
<td>3</td>
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<tr>
<td>BIO 217</td>
<td>General Zoology</td>
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</tr>
<tr>
<td>CHE 103</td>
<td>General Chemistry I</td>
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<tr>
<td>&amp; CRL 103</td>
<td>and Experimental General Chemistry I (LAB)</td>
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</tr>
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<td>CHE 104</td>
<td>General Chemistry II</td>
<td>4</td>
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<tr>
<td>&amp; CRL 104</td>
<td>and Experimental General Chemistry II (LAB)</td>
<td>4</td>
</tr>
<tr>
<td>ESS 101</td>
<td>Introduction to Geology</td>
<td>3</td>
</tr>
<tr>
<td>ESS 311</td>
<td>Introduction to Astronomy</td>
<td>3</td>
</tr>
<tr>
<td>ESS 330</td>
<td>Introduction to Oceanography</td>
<td>3</td>
</tr>
<tr>
<td>ESS 370</td>
<td>Introduction to Meteorology</td>
<td>3</td>
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<tr>
<td>PHY 130</td>
<td>General Physics I</td>
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<tr>
<td>PHY 140</td>
<td>General Physics II</td>
<td>4</td>
</tr>
<tr>
<td>or PHY 170</td>
<td>Physics I</td>
<td>3</td>
</tr>
<tr>
<td>or PHY 180</td>
<td>Physics II</td>
<td>4</td>
</tr>
</tbody>
</table>

#### Field, Research, Technology Requirements

Students must take a minimum of 12 additional semester hours in biology, chemistry, earth and space science, health, or physics from the approved list obtained from the adviser. Courses must be taken in at least two departments. The sequence of courses must be approved in advance by the adviser of the certification program and should be based on the student’s interests and choice of certification examinations. Students must select courses to include field work, research, and technology components.

#### Secondary Education Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDA 103</td>
<td>Foundations of Special Education</td>
<td>3</td>
</tr>
<tr>
<td>EDA 304</td>
<td>Special Ed Processes/Procedures for Secondary Educators</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td>3</td>
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<tr>
<td>EDF 300</td>
<td>Democracy and Education</td>
<td>3</td>
</tr>
<tr>
<td>EDF 589</td>
<td>Sociological Foundations of Education</td>
<td>3</td>
</tr>
<tr>
<td>HIS 444</td>
<td>History of American Education</td>
<td>3</td>
</tr>
<tr>
<td>EDP 250</td>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>EDR 347</td>
<td>Literacy Development and Secondary Students with Disabilities in Inclusive Classrooms</td>
<td>3</td>
</tr>
<tr>
<td>EDS 306</td>
<td>Teaching Principles and Field Experience in Secondary Schools</td>
<td>3</td>
</tr>
<tr>
<td>EDS 411</td>
<td>Student Teaching Sec - 1st Half</td>
<td>6</td>
</tr>
<tr>
<td>EDS 412</td>
<td>Student Teaching Sec - 2nd Half</td>
<td>6</td>
</tr>
<tr>
<td>LAN/ENG 382</td>
<td>Teaching English Language Learners PK-12</td>
<td>3</td>
</tr>
<tr>
<td>SCB 350</td>
<td>Science Education in Secondary School</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Total Minimum Credits Required

18

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### DEPARTMENT OF ECONOMICS AND FINANCE

**College of Business and Public Management**

406 Business and Public Management Center

50 Sharpless Street

West Chester, PA 19383

610-436-3331

Department of Economics and Finance (http://www.wcupa.edu/economicsFinance)

Orhan Kara (okara@wcupa.edu), Chairperson

The primary objective of the Department of Economics and Finance is to provide a learning experience that will permit each student to achieve maximum intellectual development in his or her chosen area of study and to prepare for a satisfying career in that field.

Two degree programs are offered:

- **The B.S. in Economics** focuses on a business orientation of economic analysis. The economics program seeks to develop communication, problem-solving, and technology skills, as well as an understanding of practical and theoretical concepts in economics. Faculty members employ a variety of teaching methods to attain this mission. Graduates of the economics program should be well-prepared for a career in business and government or for the pursuit of graduate studies in a variety of fields. In addition to the above abilities, graduates with a B.S. in Economics should be able to:
  - Communicate information of an economic or policy nature through written and oral presentation
  - Use quantitative methods to analyze problems
  - Use technology (including spreadsheets and statistical software) to present and analyze economic problems
  - Critically analyze an economic issue and develop a clearly supportable position on the issue
  - Understand the principles of international trade in microeconomics and macroeconomics
  - Understand basic economic concepts and theories

- **The B.S. in Finance** focuses on investment, international finance, and financial markets. The finance program seeks to develop communication, problem-solving, and technological skills, and an understanding of practical and theoretical concepts in finance. Faculty members employ a variety of teaching methods to attain this mission. Graduates of the finance program should be well-prepared for a career in the field of finance or for the pursuit of graduate studies in a variety of fields. In addition to the above abilities, graduates with a B.S. in Finance should be able to:
  - Critically analyze an economic or financial issue and develop a clearly supportable position on the issue
  - Effectively communicate information of a financial or policy nature through written and oral presentation
  - Use quantitative methods to analyze problems
  - Use technology and financial spreadsheets to present and analyze financial problems
  - Understand how international finance is applied to company decision making
  - Understand basic financial concepts and theories

All freshmen and those transfer students who have not completed the required courses will be admitted to the pre-business program.
Programs

Majors in Economics and Finance

- B.S. in Economics (p. 258)
- B.S. in Finance (p. 260)

Minors in Economics and Finance

- Economics (p. 262)
- Finance (p. 262)

Graduate Opportunities

See the graduate catalog for more information on the Business Administration programs. (http://catalog.wcupa.edu/graduate/business-public-management/business-administration)

Policies

- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

Prerequisites for Entry into the Business Majors: Accounting, Economics, Finance, Management and Marketing

To apply for their business major, students must:

1. Complete ECO 111, ECO 112, ECO 251, MGT 200, MKT 250, and ACC 201 with a C or better in each course
2. Pass and complete both MAT 113 and MAT 143 with a C or better required in at least one of them. If a student is placed directly into MAT 143 and receives a C or higher or has completed MAT 161 or MAT 162 with a C or better, then the student does not have to take MAT 113 (replaced as a free elective).
3. Have a minimum overall GPA of 2.50
4. Pass an Excel basic skills exam with an 88% or better
5. Have at least 45 credit hours.

These requirements must be met to be eligible to register for 300 and 400 level business courses. The same rules apply to all transfer students—both internal (those from within the University) and external (those from a non-WCU institution).

Economics & Finance Major Graduation Policies

To graduate with an earned degree from the Department of Economics and Finance's major programs, students must have a 2.50 overall GPA.

Faculty

Professors

- Thomas Andrews (tandrews@wcupa.edu) (1997)
- B.S., West Chester University; M.A., Ph.D., Temple University
- David J. Doorn (ddoorn@wcupa.edu) (2012)
- B.A., University of Wisconsin-Milwaukee; Ph.D., North Carolina State University
- Orhan Kara (okara@wcupa.edu) (2003)
- Chairperson, Economics and Finance
- B.A., University of Ankara; M.S., Ph.D., University of Wisconsin-Madison; Ph.D., University of Wisconsin - Milwaukee
- Huimin (amy) Li (hli@wcupa.edu) (2004)
- B.E., M.A., Xi’an Jiaotong University (China); Ph.D., Drexel University
- Lei Zhu (lzhu@wcupa.edu) (2006)
- B.E., M.S., Hohai University; Ph.D., Drexel University

Associate Professors

- Simon Condilffe (scondilffe@wcupa.edu) (2008)
- B.A., University of Humberside, England; M.S., Ph.D., University of Delaware
- Ebru Isgin (eisgin@wcupa.edu) (2012)
- B.A., Bogazici University, Istanbul; M.A., Ph.D., Rutgers University
- Thomas O. Miller (tmiller@wcupa.edu) (2011)
- B.S., M.B.A., Villanova University; Ph.D., Pennsylvania State University
- Thomas W. Tolin (ttolin@wcupa.edu) (1992)
- B.A., University of Southernwestern Louisiana; Ph.D., University of Houston
- Bahar Ulupinar (bulupinar@wcupa.edu) (2010)
- B.A., Ege University (Turkey); Ph.D., Louisiana State University
- Dazhi Zheng (dzheng@wcupa.edu) (2010)
- B.S., Tsinghua University (China); M.S., University of Cincinnati; M.S., University of Illinois at Urbana-Champaign; Ph.D., Drexel University

Assistant Professors

- Gerald Abdesaken (gabdesaken@wcupa.edu) (2013)
- B.S., Pennsylvania State University; M.A., Berlin School of Economics; Ph.D., Bocconi University
- Euikyu Choi (echoi@wcupa.edu) (2016)
- B.S., M.B.A., Virginia Tech; Ph.D., Temple University
- Wei Du (wdu@wcupa.edu) (2016)
- B.S., Tongji University; M.S., Illinois Institute of Technology; Ph.D., Louisiana State University
- Kyle Kelly (kkelly2@wcupa.edu) (2016)
- B.A., Bloomsburg University; M.A., Ph.D., Binghamton University
- Taeck-Yul Kim (tkim@wcupa.edu) (2014)
- B.A., Kyung Hee University; M.S., University of Illinois; Ph.D., Drexel University
- Michael Malcolm (mmalcolm@wcupa.edu) (2013)
- B.A., Bucknell University; M.S., Ph.D., University of Wisconsin-Madison
- Marek R. Marciniak (mmarciniak@wcupa.edu) (2013)
- M.A., M.B.A., Eastern Illinois University; Ph.D., Florida Atlantic University
- Matt B. Saboe (msaboe@wcupa.edu) (2013)
- B.A., Moravian College
- Megan V. Teague (mteague@wcupa.edu) (2017)
- University of Tampa, B.A.; George Mason University, M.A.; George Mason University, Ph.D.

Courses

ECO

ECO 111. Principles of Economics (Macro). 3 Credits.
National income and its measurement. The determination of price levels, output, and employment. Money and credit, expenditures, and economic stability. Government fiscal and monetary policy.
Gen Ed Attribute: Behavioral and Social Science Distributive.
Distance education offering may be available.
ECO 112. Principles of Economics (Micro). 3 Credits.
Principles underlying use and allocation of scarce productive resources. Consumption and production activities. Value, price, and income distribution. Considerations of economic efficiency and welfare. Gen Ed Attribute: Behavioral and Social Science Distributive.
Distance education offering may be available.

ECO 200. Personal Economics and Financial Planning. 3 Credits.
Students will acquire an understanding of the nature and scope of the economy and how it affects one's life plans and goals. Topics covered include supply and demand, financial planning, personal taxes, retirement planning, investing in stocks and bonds, portfolio management, the time value of money, managing credit cards and debt, and insurance planning. Gen Ed Attribute: Behavioral and Social Science Distributive.

ECO 251. Business Analytics I. 3 Credits.
This course develops an understanding of the basic tools of descriptive analytics that students can apply to a wide variety of situations and data encountered in the areas of business and economics. Students will develop a proficiency in employing Microsoft Excel for statistical analysis. Topics include descriptive statistics, probability theory, sampling and estimation, hypothesis testing, and linear regression. Pre / Co requisites: ECO 251 requires prerequisites of MAT 113 or MAT 143 or MAT 115 or MAT 131; and ECO 111 or ECO 112. Distance education offering may be available. Typically offered in Fall, Spring & Summer.

ECO 333. Household Economics. 3 Credits.
Analyses the economics of decision-making at the household and personal level. Includes an extensive treatment of marriage and fertility, as well as a number of topics of contemporary interest like same-sex and interracial relationships, adoption, and drivers of inequality. Pre / Co requisites: ECO 333 requires prerequisites of ECO 111, ECO 112, and a minimum 2.50 cumulative GPA. Typically offered in Spring.

ECO 334. Labor Economics. 3 Credits.
Application of economic theory to the operation of labor markets and the collective bargaining process. Consideration is given to the development of the labor movement and public policy toward labor and employment. Pre / Co requisites: ECO 334 requires prerequisites of ECO 112 and minimum 2.50 CUM GPA.

ECO 335. Money & Banking. 3 Credits.
A survey of money, credit, and prices, emphasizing their effects on economic stability. The Federal Reserve System and its effect on credit control. Pre / Co requisites: ECO 335 requires prerequisites of ECO 111 and ECO 112 and minimum 2.50 CUM GPA.

ECO 336. Regulations of Competition. 3 Credits.
Background and development of public policies that directly modify the free enterprise economy of the United States. Evaluation of policies that change the nature and extent of competition. Pre / Co requisites: ECO 336 requires prerequisites of ECO 111 and ECO 112 and minimum 2.50 CUM GPA.

ECO 337. Economic Growth & Development. 3 Credits.
A survey and critical evaluation of alternative theories of capitalist economic development. Analysis and comparison of alternative public policies applicable to underdeveloped countries and regions. Pre / Co requisites: ECO 337 requires prerequisites of ECO 111 and ECO 112 and minimum 2.50 CUM GPA.

ECO 338. International Economics. 3 Credits.
A descriptive, analytical examination of international trade, finance, and other economic relationships. The effects of public policies on these relationships. Pre / Co requisites: ECO 338 requires prerequisites of ECO 111 and ECO 112 and minimum 2.50 CUM GPA. Distance education offering may be available. Typically offered in Fall, Spring & Summer.

ECO 340. Intermediate Microeconomics. 3 Credits.
A continuation and extension of the price-system analysis in ECO 112. Emphasis on the need for efficiency in the economy's use of scarce productive resources. Pre / Co requisites: ECO 340 requires prerequisites of ECO 111; ECO 112; ECO 251 or MAT 121; MAT 143 or MAT 161; ECO 351; and a minimum 2.50 CUM GPA. Typically offered in Fall & Spring.

ECO 341. Public Finance. 3 Credits.
Government's influence on stability of national income. Nature of taxes and expenditures at the various levels of government and their effect on the allocation of resources and the distribution of income. Pre / Co requisites: ECO 341 requires prerequisites of ECO 111 and ECO 112 and minimum 2.50 CUM GPA.

ECO 342. Economics of the Law. 3 Credits.
Applies economic reasoning to the analysis of legal rules, examining both efficiency and distributional consequences. Examines the incentive effects created by property law, tort law, contract law and criminal law, along with their institutional frameworks. Pre / Co requisites: ECO 342 requires prerequisites of ECO 111 and ECO 112 and a minimum CUM GPA of 2.50.

ECO 345. History of Economic Thought. 3 Credits.
Origins of economic thought and comparison of the major schools of economic doctrine. Current economic and socio-political factors. Pre / Co requisites: ECO 345 requires prerequisites of ECO 111 and ECO 112 and minimum 2.50 CUM GPA.

ECO 346. Game Theory. 3 Credits.
This course introduces students to strategic decision-making. It considers simultaneous and sequential interactions, repeated interactions among the same players, and interactions where information is incomplete or asymmetric. It provides an applied overview of game theoretical concepts and emphasizes their use in real-world situations. The course also introduces students to the field of behavioral game theory, which integrates insights from psychology into standard economic theory. Pre / Co requisites: ECO 346 requires prerequisites of ECO 111, ECO 112, and ECO 351; ECO 251 or MAT 121; MAT 143 or MAT 161; and a minimum 2.50 cumulative average. Typically offered in Fall & Spring.

ECO 347. Intermediate Macroeconomics. 3 Credits.
Introduction to the theory of income, employment, and growth. Provides the analytic tools necessary for dealing with aggregate economic problems. Pre / Co requisites: ECO 347 requires prerequisites of ECO 111; ECO 112; ECO 251 or MAT 121; MAT 143 or MAT 161; ECO 351; and a minimum 2.50 CUM GPA. Typically offered in Fall & Spring.

ECO 349. Industrial Organization. 3 Credits.
This course studies the theory and empirical evidence concerning the organization of firms and industries. It examines the structure-conduct-performance paradigm in detail, along with applications such as advertising, patents, durable goods and strategic behavior. Pre / Co requisites: ECO 349 requires prerequisites of ECO 111; ECO 112; and MAT 143 or MAT 161. Typically offered in Fall & Spring.

ECO 350. Urban Economics. 3 Credits.
Economic aspects of such urban problems as poverty, housing, taxation, income distribution, and discrimination. Analysis of economic aspects of various proposed remedies, including urban renewal, family allowances, cooperatives, and others. Pre / Co requisites: ECO 350 requires prerequisites of ECO 111 and ECO 112 and minimum 2.50 CUM GPA. Gen Ed Attribute: Writing Emphasis.

ECO 351. Business Analytics II. 3 Credits.
This course extends student understanding of descriptive analytics through data visualization and basic statistical inference such as hypothesis testing and analysis of variance. Students will develop predictive analytics tools such as multiple regression analysis, forecasting, data mining, and spreadsheet modeling. The course will stress using statistical software beyond Microsoft Excel to address practical business applications. Pre / Co requisites: ECO 351 requires prerequisites of ECO 111 and ECO 112 and ECO 251 or MAT 121. Distance education offering may be available. Typically offered in Fall, Spring & Summer.
ECO 370. The Economics of Health Care. 3 Credits.
This course will apply the basic tools of economics analysis to the various components of the health care system. Relying on microeconomic principles, we will study the behavior of participants (consumers, providers, insurers) in the health care industry. We will address some key policy issues that surround the provision of health care, as well as considering different health systems. To be successful in this course students must be able to manipulate data and formulas using a spreadsheet package such as Excel.
Pre / Co requisites: ECO 370 requires prerequisite of ECO 111 and ECO 112 and minimum 2.50 CUM GPA.

ECO 385. Environmental & Resource Economics. 3 Credits.
The role of the environment in an economic system. Topics include energy economics, the economics of renewable and nonrenewable resources, and the economics of pollution.
Pre / Co requisites: ECO 385 requires prerequisites of ECO 111 and ECO 112 and minimum 2.50 CUM GPA.

ECO 399. Transfer Elective Upper Level. 1-10 Credits.
Transfer Elective Upper Level.
Repeatable for Credit.

ECO 400. Research Methods - Business & Economics. 3 Credits.
Provides the skills and tools required in business and economic research. Covers research ethics, hypothesis development, data collection, multivariate analysis, and regression. Senior Economics majors only.
Pre / Co requisites: ECO 400 requires prerequisites of ECO 340 and ECO 348 and minimum 2.50 CUM GPA.

ECO 401. Introduction to Econometrics. 3 Credits.
Statistical and mathematical techniques applied to economic situations. Use of empirical data in economic analysis.
Pre / Co requisites: ECO 401 requires prerequisites of ECO 111 and ECO 112 and ECO 351 and MAT 143. Minimum 2.50 CUM GPA.
Typically offered in Fall & Spring.

ECO 409. Senior Seminar in Economics. 3 Credits.
Students are expected to prepare a research paper that describes and analyzes a current topic in economics.
Pre / Co requisites: ECO 409 requires prerequisites of ECO 251 and ECO 351 and ECO 340 and ECO 348. Minimum 2.50 CUM GPA.
Typically offered in Fall & Spring. Repeatable for Credit.

ECO 411. Internship. 3-6 Credits.
The internship is open to majors in economics only. It is intended to enhance the student’s educational experience by providing substantive, professional work experience.
Pre / Co requisites: Minimum 2.50 CUM GPA.
Repeatable for Credit.

ECO 412. Internship. 3-6 Credits.
The internship is open to majors in economics only. It is intended to enhance the student’s educational experience by providing substantive, professional work experience.
Pre / Co requisites: Minimum 2.50 CUM GPA.
Consent: Permission of the Department required to add. Repeatable for Credit.

ECO 414. Special Topics in Economics. 3 Credits.
Provides in depth coverage of a major current topic in Economics. The topics could range from current monetary policy to economic issues in China.
Pre / Co requisites: ECO 414 requires prerequisite of ECO 111 and ECO 112. Minimum 2.50 CUM GPA.

FIN 310. Behavioral Finance. 3 Credits.
Over the past several decades, the field of finance has developed a successful paradigm based on the notions that investors and managers were generally rational and the prices of securities were generally “efficient.” In recent years, however, anecdotal evidence as well as theoretical and empirical research has shown this paradigm to be insufficient to describe various features of actual financial markets. In this course we will use psychology and more realistic settings to guide and develop alternative theories of financial market. We will examine how the insights of behavioral finance complement the traditional paradigm and shed light on investors’ trading patterns, the behavior of asset prices, corporate finance, and various Wall Street institutions and practices.
Pre / Co requisites: FIN 310 requires prerequisites of ECO 111 or ECO 112, and ECO 251 or MAT 121 and minimum 2.5 CUM GPA.
Distance education offering may be available.

FIN 325. Corporate Finance. 3 Credits.
The organization and financing of the modern corporation. Promotion, capitalization, short-term financing, capital budgeting, distribution of earnings, expansion, consolidation, failure, and reorganization.
Pre / Co requisites: FIN 325 requires prerequisites of ACC 201 and ECO 111 and ECO 112 and ECO 251 or MAT 121 and MAT 108 or MAT 161. Minimum 2.50 CUM GPA.

FIN 326. Intermediate Financial Management. 3 Credits.
A second course in managerial finance. Emphasis is distributed between theory and practice. Once understood, good theory is common sense, and solving problems reinforces the practical applications.
Pre / Co requisites: FIN 326 requires prerequisites of FIN 325 and MAT 143 or MAT 161 and minimum 2.50 CUM GPA.
Typically offered in Fall & Spring.

FIN 330. Principles of Insurance. 3 Credits.
The nature and types of risk management and insurance coverage are considered. Conceptual analysis and the impact of financial deregulation on personal and business risk management and insurance are covered.
Pre / Co requisites: FIN 330 requires prerequisite of FIN 325 and Minimum 2.50 CUM GPA.

FIN 332. Real Estate Finance. 3 Credits.
This course provides a basic orientation to the financial instruments and institutional structures and policies of real estate finance.
Pre / Co requisites: FIN 332 requires prerequisite of FIN 325 and minimum 2.50 CUM GPA.

FIN 333. Fundamentals of Financial Planning. 3 Credits.
The course introduces undergraduate students to different aspects of financial planning and provides them with the tools needed to create a financial plan. This elective course in finance blends current practices, trends, and issues in financial planning. A variety of instructional techniques are used, including short lectures, discussions, teamwork, problem solving, case studies, Excel modeling, short written assignments, videos, and guest speakers from the Greater West Chester area. Following the completion of the course students should be able to decide if they want to pursue a career in financial planning and study for the Certified Financial Planner designation.
Pre / Co requisites: FIN 333 requires a prerequisite of FIN 325 and FIN 344 with a C or better. Consent: Permission of the Department required to add. Typically offered in Fall.

FIN 337. Financial Markets and Institutions. 3 Credits.
Covers a variety of domestic and international financial markets and institutions. Analysis is provided for the regulation, operation, and management of these institutions. Written and oral presentations are required.
Pre / Co requisites: FIN 337 requires prerequisites of ECO 111 and ECO 112 and FIN 325 Minimum 2.50 CUM GPA.
Distance education offering may be available.

FIN 344. Investments. 3 Credits.
Problems and procedures of investment management; types of investment risks; security analysis; investment problems of the individual as well as the corporation.
Pre / Co requisites: FIN 344 requires prerequisite of FIN 325 and Minimum 2.50 CUM GPA.
Distance education offering may be available.
FIN 350. Investment Analysis and Portfolio Management. 3 Credits.
A second look at investment opportunities. This course assumes a basic understanding of the existence and function of financial assets. Each category of assets is studied from a theoretical perspective. Theories are then applied to the study of trading strategies. Problem solving is emphasized.
Pre / Co requisites: FIN 350 requires prerequisite of FIN 344 and Minimum 2.50 CUM GPA.

FIN 351. The Market for Corporate Control. 3 Credits.
The question of who controls an economy’s assets is essential to understanding the success of the economy. The aim of this course is to thoroughly examine the market for corporate control, which includes mergers, acquisitions, LBOs, proxy fights, reorganizations, and anti-takeover protections. We will cover the history of MA markets, review corporate governance practices, and investigate the current theories and empirical evidence on buyouts and acquisitions. The course includes a rigorous treatment of deal valuation and financial modeling. Throughout the course, case studies provide students with access to key concepts and an interactive experience.
Pre / Co requisites: FIN 351 requires prerequisite of FIN 344 and Minimum 2.50 CUM GPA.

FIN 360. Financial Analysis Using Excel. 3 Credits.
Teaches students how to use Excel spreadsheets to structure, analyze, and solve financial problems. Students will use Excel to develop financial forecasts, perform break-even analyses, perform sensitivity analyses, and make capital budgeting decisions.
Pre / Co requisites: FIN 360 requires prerequisite of C or better in FIN 325 and Minimum 2.50 CUM GPA.
Distance education offering may be available. Typically offered in Fall, Spring & Summer.

FIN 372. International Finance. 3 Credits.
Development of financial managerial knowledge and skills to understand the working of the corporate financial function in a global setting.
Pre / Co requisites: FIN 372 requires prerequisite of FIN 325 and Minimum 2.50 CUM GPA.
Distance education offering may be available.

FIN 375. Contemporary Financial Issues. 3 Credits.
Students will be required to read, research, and write papers on current issues and developments in finance.
Pre / Co requisites: FIN 375 requires prerequisite of FIN 326 and FIN 344 and Minimum 2.50 CUM GPA.
Gen Ed Attribute: Writing Emphasis.

FIN 399. Transfer Elective Upper Level. 1-10 Credits.
Transfer Elective Upper Level.
Repeatable for Credit.

FIN 410. Special Topics in Finance. 3 Credits.
This course will provide in-depth coverage of a major current topic in finance. The topic will change each semester. Topics to be covered include capital budgeting, valuation, financial derivatives, and financial modeling.
Pre / Co requisites: FIN 410 requires prerequisite of FIN 325 and Minimum 2.50 CUM GPA.
Repeatable for Credit.

B.S. IN ECONOMICS
College of Business and Public Management

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

English Composition requirements 6
Mathematics requirement 3
Select one of the following:
MAT 115 Algebra, Functions, and Trigonometry 1
MAT 113 Algebra and Functions 1
MAT 143 Brief Calculus 1
MAT 131 Precalculus 1
MAT 161 Calculus 1 1
Public Speaking requirement 3
Science requirements 6
Behavioral & Social Science requirements 6
Humanities requirements 6

Select one of the following:

PHI 101 Introduction to Philosophy
PHI 150 Critical Thinking and Problem Solving
PHI 180 Introduction to Ethics

Arts requirement 3
Diverse Communities requirement 3
Interdisciplinary requirement 3
Student Electives 9
Writing Emphasis requirements 9

Major Requirements

ACC 201 Financial Accounting 1 3
ACC 202 Managerial Accounting 1 3
BLA 201 Legal Environment of Business 1 3
ECO 111 Principles of Economics (Macro) 3
ECO 112 Principles of Economics (Micro) 3
ECO 251 Business Analytics 1 3
ECO 351 Business Analytics II 1 3
FIN 325 Corporate Finance 1 3
MAT 143 Brief Calculus 1 3
or MAT 161 Calculus I 3
MGT 200 Principles of Management 1 3
MGT 313 Business and Society 1 3
MGT 341 Production and Operations Management 1 3
MGT 499 Business Policy and Strategy 1 3
HKT 250 Principles of Marketing 3
ECO 335 Money & Banking 1 3
or FIN 337 Financial Markets and Institutions 3
ECO 340 Intermediate Microeconomics 1 3
ECO 348 Intermediate Macroeconomics 1 3
ECO 400 Research Methods- Business & Economics 1 3
Select two electives in Economics at the 300 level or above 1 3
ECO 338 International Economics 1 3
or FIN 372 International Finance 3
Select one elective in Finance at the 300 level or above 1 3

Related/Cognate Requirements

ENG 368 Business and Organizational Writing 1 3

Student Electives
Select three semester hours of electives 3

Total Minimum Credits Required 120

1 A minimum grade of C must be attained in these courses. Students must maintain a 2.50 overall GPA and pass an Excel proficiency exam to register for 300- or 400-level business courses and to graduate.
2 If either of the MAT courses is completed with a grade of C or better to fulfill general education requirements, then a free elective may be substituted.
3 To graduate, students must have a 2.50 overall GPA.

Sample Course Plan
To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.
### B.S. in Economics

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td><strong>Year One</strong></td>
<td></td>
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</tr>
<tr>
<td><strong>Fall</strong></td>
<td></td>
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</tr>
<tr>
<td>ECO 111</td>
<td>Principles of Economics (Macro)</td>
<td>3</td>
</tr>
<tr>
<td>MAT 113</td>
<td>Algebra and Functions (or MAT 115 or MAT 131)</td>
<td>3</td>
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**Total Credits: 120**
B.S. IN FINANCE

West Chester University

Year Three

Fall
ENG 368  Business and Organizational Writing  3
FIN 325  Corporate Finance  3
ECO 348  Intermediate Macroeconomics  3
Interdisciplinary Gen Ed  3
Arts Gen Ed  3

Credits  15

Spring
ECO 338  International Economics  3
or FIN 372
ECO 340  Intermediate Microeconomics  3
FIN 326  Intermediate Financial Management  3
Diversity Gen Ed  3
ECO Elective  3

Credits  15

Year Four

Fall
FIN 337  Financial Markets and Institutions  3
or ECO 335
MGT 341  Production and Operations Management  3
ECO 400  Research Methods- Business & Economics  3
FIN 344  Investments  3
ECO Elective  3

Credits  15

Spring
MGT 499  Business Policy and Strategy  3
FIN 375  Contemporary Financial Issues  3
MGT 313  Business and Society  3
Free Elective  3
Free Elective  3

Credits  15

Total Credits  120

B.S. IN FINANCE

College of Business and Public Management

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

English Composition requirements  6
Mathematics requirement 1,3  3
Select one of the following:
MAT 115  Algebra, Functions, and Trigonometry
MAT 113  Algebra and Functions
MAT 143  Brief Calculus
MAT 131  Precalculus
MAT 161  Calculus I
or MAT 162  Calculus II
Public Speaking requirement  3
Science requirements  6
Behavioral & Social Science requirements  6
ECO 111  Principles of Economics (Macro) 1,2
Humanities requirements  6
Select one of the following:

PHI 101  Introduction to Philosophy
PHI 150  Critical Thinking and Problem Solving
PHI 180  Introduction to Ethics
Arts requirement  3
Diverse Communities requirement  3
Interdisciplinary requirement  3
Student Electives  9
Writing Emphasis requirements  9

Business Core 1

ACC 201  Financial Accounting  2  3
ACC 202  Managerial Accounting  3
BLA 201  Legal Environment of Business  3
ECO 112  Principles of Economics (Micro)  2  3
ECO 251  Business Analytics I  2  3
ECO 351  Business Analytics II  3
FIN 325  Corporate Finance  3
MAT 143  Brief Calculus  3
or MAT 161  Calculus I
MGT 200  Principles of Management  2  3
MGT 313  Business and Society  3
MGT 341  Production and Operations Management  3
MGT 499  Business Policy and Strategy  3
MKT 259  Principles of Marketing  2  3

Related/Cognate Requirements 1

ENG 368  Business and Organizational Writing  3

Major Requirements 1

FIN 326  Intermediate Financial Management  3
FIN 337  Financial Markets and Institutions  3
or ECO 335  Money & Banking
FIN 344  Investments  3
FIN 372  International Finance  3
or ECO 338  International Economics
FIN 375  Contemporary Financial Issues  3
Select two electives in Finance, Economics, or Accounting. Must be 300-level or above.  6

Business Electives  6
Select two 300-level or above courses in ACC, BLA, ECO, INB, MGT, MIS, MKT (not already required by the major or core); GEO 325, GEO 425; or PSC 318

Student Electives  3
Select three credits of electives.

Total Minimum Credits Required  120

A minimum of 30 credits in business courses must be completed at West Chester University, with a minimum of 15 credits in 300–400 level ACC or FIN courses.

1 A minimum grade of C is required in these courses.
2 This is a Pre-Business Core course, which must be completed prior to applying to any business major.
3 A grade of C or higher must be earned in at least one MAT course (MAT 113 or MAT 115). If a student starts with or transfers in MAT 143, MAT 161, or MAT 162; and a C or better is earned, then neither MAT 113 nor MAT 115 is required. The MAT requirement is then replaced with a free elective.

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Free electives are course credits not used to meet minimum requirements for gen eds, major, minor, or business electives and core. Listed as "Other" in the Degree Program Report (DPR), free elective credits shown here are in addition to the 9 student elective credits specified in the 48 credit gen ed total. Total free electives vary by business major and equal the number needed to yield 120 total credits.

### Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

#### B.S. in Finance

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MINOR IN ECONOMICS

College of Business and Public Management

To be admitted into the minor in economics, students must have an overall GPA of 2.5 and have completed the following classes with a C or better: MAT 115 or MAT 113 or MAT 131, and ECO 111, ECO 112, and ECO 251. Once admitted to the minor, students must maintain an overall GPA of 2.5 to continue in the minor.

Course Requirements

<table>
<thead>
<tr>
<th>Course Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 340</td>
<td>3</td>
</tr>
<tr>
<td>ECO 348</td>
<td>3</td>
</tr>
<tr>
<td>Select two Economics electives at the 300 level</td>
<td>6</td>
</tr>
</tbody>
</table>

Prerequisite Course Requirements

<table>
<thead>
<tr>
<th>Course Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 111 Principles of Economics (Macro)</td>
<td>3</td>
</tr>
<tr>
<td>ECO 112 Principles of Economics (Micro)</td>
<td>3</td>
</tr>
<tr>
<td>ECO 251 Business Analytics I</td>
<td>3</td>
</tr>
<tr>
<td>ECO 351 Business Analytics II</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Course Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 115 Algebra, Functions, and Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>MAT 113 Algebra and Functions</td>
<td>3</td>
</tr>
<tr>
<td>MAT 131 Precalculus</td>
<td>3</td>
</tr>
<tr>
<td>or MAT 161 Calculus</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits 30

1 A minimum grade of C must be attained in these courses. Students must maintain a 2.50 overall GPA and pass an Excel proficiency exam to register for 300- or 400-level business courses and to graduate.

MINOR IN FINANCE

College of Business and Public Management

To be admitted into the minor in finance, students must have an overall GPA of 2.5 and have completed the following classes with a C or better: MAT 115 or MAT 113 or MAT 131, and ECO 111, ECO 112, and ECO 251. Once admitted to the minor, students must maintain an overall GPA of 2.5 to continue in the minor.

Course Requirements

<table>
<thead>
<tr>
<th>Course Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 201 Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>MAT 143 Brief Calculus</td>
<td>3</td>
</tr>
<tr>
<td>FIN 325 Corporate Finance</td>
<td>3</td>
</tr>
<tr>
<td>FIN 326 Intermediate Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>FIN 344 Investments</td>
<td>3</td>
</tr>
<tr>
<td>FIN 372 International Finance</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits 18

Only business majors and students who have been accepted into the minor may register for 300-level finance classes.

1 A minimum grade of C must be attained in these courses. Students must maintain a 2.50 overall GPA and pass an Excel proficiency exam to register for 300- or 400-level business courses and to graduate.

DEPARTMENT OF EDUCATIONAL DEVELOPMENT

School of Interdisciplinary and Graduate Studies

The Department of Educational Development is a cadre of University faculty who have specific and specialized administrative and/or teaching assignments at the University. While much of the assigned responsibility is to facilitate students’ out-of-class learning and development, regular and non-classroom teaching are still included. Areas within the Department of Educational Development include Exploratory Studies academic advising, career advising, academic administration, tutoring, services for students with disabilities, and other articulated teaching and/or administrative assignments.
Faculty

Professors
John A. Kinslow (jkinslow@wcupa.edu) (1998)
Chairperson, Educational Development
Advisor, Exploratory Studies
B.A., Antioch University; M.Ed., Ph.D., Temple University
Martin Patwell (mpatwell@wcupa.edu) (1994)
Director, Services for Students with Disabilities
B.A., Manhattan College; M.S., Marist College; Ed.D., Boston University

Associate Professor
Francis Atuahene (fatuahene@wcupa.edu) (2009)
Director, Exploratory Studies
B.A., University of Ghana; M.A., M.P.A., Ph.D., Ohio University

Assistant Professors
John B. Craig (j craig@wcupa.edu) (2016)
Director, Academic Development Program
B.S., Ed.M., Temple University; Ed.D., University of Pennsylvania
Tiffany E. Jones (tjones2@wcupa.edu) (2017)
B.A., Temple University; M.S., West Chester University; Ed.D., Widener University
Ann Lieberman-Colgan (acolgan@wcupa.edu) (2007)
Assistant Director, Exploratory Studies
B.A., West Chester University of Pennsylvania; M.Ed., River College; Ed.D., Gratz College
Jocelyn A. Manigo (jmanigo@wcupa.edu) (2018)
B.A., Swarthmore College; M.Ed., Ed.D., Widener University
Marie Wilcom Bunner (mbunner@wcupa.edu) (2016)
B.S., M.Ed., University of Pittsburgh; Ed.D., Saint Joseph’s University

Instructor
I. Bruce Norris (ibnorris@wcupa.edu) (1986)
Director, Professional Studies Program
B.S., West Chester University; M.A., University of Maryland

DEPARTMENT OF EDUCATIONAL FOUNDATIONS AND POLICY STUDIES

College of Education and Social Work

Overview
902 Wayne Hall
West Chester University
West Chester, PA 19383
610-436-2958
Department of Educational Foundations and Policy Studies (http://www.wcupa.edu/ profSecEd)
John Elmore (jelmore@wcupa.edu), Chairperson
Jackie Hodes (jhodes@wcupa.edu), Assistant Chairperson
The Bachelor of Science in Education or the Bachelor of Arts with an elective in teacher certification, which prepares the student for teaching in the secondary schools or K-12 classes, may be earned with an academic specialization in biology (p. 201), chemistry (p. 210), earth and space science (p. 251), English (p. 280), French (p. 345), general science (http://catalog.wcupa.edu/undergraduate/ sciences-mathematics/geology-astronomy/general-science-certification), German (p. 346), mathematics (p. 387), physics (p. 437), Russian (p. 348), social studies (http://catalog.wcupa.edu/undergraduate/sciences-mathematics/political-science/political-science-ba-elective-social-studies-teacher-certification), or Spanish (p. 349).
Satisfactory completion of a secondary or K-12 curriculum also will qualify the student for a Pennsylvania Instructional I Certificate, which is valid for six years of teaching the specified subject in Pennsylvania public schools. The student must choose one academic field of specialization.
See the Educator Preparation Programs (p. 266) section of this catalog for information about new requirements.

Programs

Majors in Educational Foundations and Policy Studies
• Bachelor of Science in Education (B.S.Ed.) (p. 265)

Minors in Educational Foundations and Policy Studies
• Professional Education (p. 266)

Certificates in Educational Foundations and Policy Studies
• Education for Sustainability (p. 266)

Graduate Opportunities
See the graduate catalog for more information on the Educational Foundations and Policy Studies programs. (http://catalog.wcupa.edu/graduate/education-social-work/educational-foundations-policy-studies)

Policies
• See undergraduate admissions information. (p. 11)
• See academic policies. (http://catalog.wcupa.edu/graduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

Formal Admission to Teacher Education and Teacher Certification
Refrer to the catalog section on Educator Preparation Programs (p. 266) for information on program requirements.

Student Teaching Eligibility
To be eligible for student teaching (EDS 411-EDS 412), the student must have fulfilled the following requirements:

1. Fulfilled the requirements for Formal Admission to Teacher Education (FATE) status described on the Educator Preparation Programs page (p. 266).
2. Completed the professional education requirements with a C or higher in all courses.
3. Completed any test and/or other requirements set by the appropriate academic department.
4. Completed a minimum of 90 semester hours with the Pennsylvania-mandated GPA (2.8), including a minimum grade of C in all education courses.
5. Completed and provided an ETS score report that they took the Praxis II test(s) in the subject area where the candidates are enrolled to achieve certification.
Faculty

Professors
Deborah S. Brown (dbrown2@wcupa.edu) (1992)
B.S., West Chester University; M.A., Ph.D., University of Delaware
John Elmore (jelmore@wcupa.edu) (2005)
Chairperson, Educational Foundations and Policy Studies
B.A., B.S., Kansas Wesleyan University; M.S., Ph.D., Kansas State University
Paul Morgan (pmorgan@wcupa.edu) (1999)
Chairperson, Educational Foundations and Policy Studies
Graduate Coordinator, Educational Foundations and Policy Studies
B.A., University of Illinois; Ph.D., Columbia University
Christian V. Penny (cpenny@wcupa.edu) (2002)
B.S., Lock Haven University; M.Ed., East Stroudsburg University; Ph.D., Pennsylvania State University

Dana M. Simone
B.S.Ed., Indiana University of Pennsylvania; M.Ed., The Pennsylvania State University; Ph.D., Temple University

Jeffrey A. McLaughlin (jmclaughlin3@wcupa.edu) (2017)
B.S.Ed., Indiana University of Pennsylvania; M.Ed., The Pennsylvania State University; Ph.D., Temple University

Matthew J. Kruger-Ross (mkruger@wcupa.edu) (2016)
Graduate Coordinator, Educational Foundations and Policy Studies
B.S., M.S., NC State University; Ph.D., Simon Fraser University

Robert Haworth (rhworth@wcupa.edu) (2012)
Graduate Coordinator, Educational Foundations and Policy Studies
Graduate Coordinator, Public Policy and Administration
B.A., University of Utah; M.A., Ph.D., New Mexico State University

Stephanie L. Hinson (shinson@wcupa.edu) (1992)
A.B., Princeton University; M.Ed., Ed.D., University of Virginia

Jacqueline S. Hodes (jhodes@wcupa.edu) (2012)
Graduate Coordinator, Educational Foundations and Policy Studies
Assistant Chairperson, Educational Foundations and Policy Studies
B.A., M.Ed., Ed.D., University of Delaware

Curry S. Malott (cmalott@wcupa.edu) (2011)
B.A., Miami University; M.A., Ph.D., New Mexico State University

Assistant Professors
David Backer (dbacker@wcupa.edu) (2016)
B.A., George Washington University; M.S., State University of New York, Buffalo; M. Phil., Columbia University; Ph.D., Columbia University, Teachers College

Matthew J. Kruger-Ross (mkruger@wcupa.edu) (2016)
Graduate Coordinator, Educational Foundations and Policy Studies

Jeffrey A. McLaughlin (jmclaughlin3@wcupa.edu) (2017)
B.S.Ed., Indiana University of Pennsylvania; M.Ed., The Pennsylvania State University; Ph.D., Temple University

Dana M. Simone (dsimone@wcupa.edu) (2018)
B.A., West Chester University; M.A., Villanova University; Ph.D., University of Delaware

Courses

EDF Courses
EDF 255. Evolution of Schooling in U.S.. 3 Credits.
An examination of the historical evolution and contemporary purposes, practices, and structures of schooling in the United States. Students will investigate the political, sociological, and economic motivators in the origin, maintenance, and reform of American schooling. In addition, students utilize the course's historical context to engage in an examination of contemporary issues in American schooling. Specific attention will be given to the impact of current educational reforms on the theory and practice of early childhood education. Gen Ed Attribute: Interdisciplinary Requirement.

EDF 300. Democracy and Education. 3 Credits.
A study of the philosophical, historical and sociological issues related to American education. The course places schools within the context of the larger American society and asks what degree can and should schools serve as agents for creating a more just and democratic society. Gen Ed Attribute: Interdisciplinary Requirement.

EDF 360. The Learner in Non-School Settings. 3 Credits.
Emphasis in the course will be placed on intra- and interpersonal development, facilitative growth and adjustment, and dysfunction as they may impact the non-school educator or trainer.

EDM Courses
EDM 300. Intro to Educational Technology Integr. 3 Credits.
An overview of the integration of technology in teaching and learning with a focus on computer applications.

EDM 349. Technology Tools to Transform Teaching and Learning. 1 Credit.
This course provides teacher candidates with a supportive, yet challenging exploration of theoretical, and practical issues related to the effective integration of technology in teaching and learning. Building on participants' technology competency and prior course learning, the focus on thoughtful selection and use of modern digital tools, and advanced use of the Internet to transform 21st century learning environments. Web-based projects linked to standards as well as grade, subject and certification needs, are designed to enhance and support teacher candidates' Early and Middle grades teacher preparation work. Pre / Co requisites: Formal Admission Teacher Ed.

EDO Courses
EDO 400. Environmental Sustainability Educ: History, Theory & Practice. 3 Credits.
The development of environmental and sustainability education with emphasis on theoretical perspectives and practical applications.

EDO 410. Systems in Sustainability Education. 3 Credits.
Examination of how systems thinking applies to learning for sustainability in school curricula, missions, facilities, and grounds.

EDO 415. History Of Conservation. 3 Credits.
Contact department for more information about this course.

EDO 420. Outdoor and Place-Based Education. 3 Credits.
The foundations of outdoor and place-based education, with emphasis on experiential and authentic learning. School-based applications will be addressed.

EDO 425. Independent Studies in Environment Educ. 3 Credits.
Special research projects, reports and reading in conservation and outdoor education. Consent: Permission of the Department required to add.

EDO 450. Education for Sustainability: Methods and Field Experience. 3 Credits.
Methods for integrating education for sustainability into schools and non-formal settings, using field placements to demonstrate and apply learning.

EDO 498. Workshop In Environmental Education. 3 Credits.
Contact department for more information about this course.

EDP Courses
EDP 199. EDP 199 Transfer Credits. 1-10 Credits.
Repeatable for Credit.

EDP 200. Middle Grades Cognition. 3 Credits.
This course focuses on the study of cognitive development and cognition research related to middle grade students in the context of educational psychology. It also examines selected learning theories, motivation, and classroom management. There is a field experience.

EDP 201. Young Adolescent/Adolescent Development and Learning Theories. 3 Credits.
This course is a study of the physical, personal, social and emotional development of early through late adolescence in the context of classroom teaching; it also examines selected learning theories. There is a field component.

EDP 250. Educational Psychology. 3 Credits.
A study of learning in relation to the physical, social, emotional, and intellectual aspects of personality. Distance education offering may be available.
EDP 349. Adolescent Development. 3 Credits.
This course focuses on the emotional, social, intellectual, moral, physical, and self-concept factors shaping human behavior with emphasis on adolescent behavior.

EDP 351. Evaluation and Measurement. 3 Credits.
A survey of testing materials and procedures with emphasis on interpretation and application. Pre / Co requisites: EDP 351 requires a prerequisite of EDP 250.

EDP 353. Assessment for Learning: Early Grades. 3 Credits.
This course is designed to provide students the knowledge and skills to use multiple developmentally appropriate assessments (authentic, screening, diagnostic, formative, and summative) to guide instruction related to standards, to monitor results of intervention and their implications for instruction for all students, and report assessment results. Pre / Co requisites: EDP 353 requires prerequisite EDP 220.

EDP 354. Assessment for Learning: Middle Grades. 3 Credits.
This course is designed to provide middle grade candidates the knowledge and skills to use multiple developmentally appropriate assessments to guide instruction related to standards, to monitor results of interventions and their implications for instruction for all students, and report assessment results. This course has a 25 hour field experience. All field clearances required. Pre / Co requisites: EDP 354 requires Coreq EDR 318 or MGP 335 or MAT 352 or SCE 330, concurrently. Prereq: MGP 220, Formal Admission to Teacher Education, Field clearances.

EDP 355. Assessment for Learning 7-12. 3 Credits.
This course is designed to provide secondary education candidates the knowledge and skills to use multiple assessments to guide instruction related to standards, to monitor results of interventions and their implications for instruction for all students, and report assessment results. This course has a 25 hour field experience. Field clearances required. (PA Criminal background, PA Child Abuse, FBI fingerprinting, TB test results).

EDP 467. Group Dynamics. 3 Credits.
A group process course designed to help students develop their personal effectiveness in group situations.

EDS

EDS 306. Teaching Principles and Field Experience in Secondary Schools. 3 Credits.
Methods and strategies of teaching in secondary schools will be the core of the course. Implications of classroom management, learning, and other related problems will be discussed. Students will observe in a classroom for nine weeks. Pre / Co requisites: EDS 306 requires prerequisites of EDF 100 or EDF 300 and formal admission into teacher education. Consent: Permission of the Department required to add. Gen Ed Attribute: Writing Emphasis.

EDS 410. Independent Study. 1-3 Credits.
Special topics or projects initiated by the students that will enable them to do extensive and intensive study in an area of secondary education. Consent: Permission of the Department required to add. Repeatable for Credit.

EDS 411. Student Teaching Sec - 1st Half. 6 Credits.
Observation and participation in teaching and all other activities related to the teacher’s work in the area of the student’s specialization. Pre / Co requisites: EDS 411 requires formal admission into teacher education. Consent: Permission of the Department required to add. Typically offered in Fall & Spring.

EDS 412. Student Teaching Sec - 2nd Half. 6 Credits.
Observation and participation in teaching and all other activities related to the teacher’s work in the area of the student’s specialization. Pre / Co requisites: EDS 412 requires formal admission into teacher education. Consent: Permission of the Department required to add. Typically offered in Fall & Spring.

SEE

SEE 462. Essentials Of The Helping Relationship. 3 Credits.
This course surveys the concepts and skills involved in helping others through individual interviewing, problem solving, decision making, and systematic behavior change.

BACHELOR OF SCIENCE IN EDUCATION (B.S.ED.)

College of Education and Social Work

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

- English Composition requirements
- Mathematics requirement
- Public Speaking requirement
- Science requirements
- Behavioral & Social Science requirements
- Humanities requirements
- Arts requirement
- Diverse Communities requirement
- Interdisciplinary requirement
- Student Electives
- Writing Emphasis requirements

Professional Education Requirements

As a result of new certification requirements, individual programs have unique professional education requirements. Please consult individual department listings in this catalog for specific information regarding professional education requirements.

Students are required to have up-to-date clearances (criminal record, child abuse, FBI, and TB) to participate in field experience courses.

The teaching certification is given in specific subject areas. Therefore, specialization in one of the teaching fields listed below is required for graduation in secondary or K-12 education. The minimum number of semester hours required for each field is listed in this catalog under the appropriate academic department. These hours will satisfy the Instructional I Certification requirements in Pennsylvania.

Total Minimum Credits Required: 120

Other Degree Completion Requirements

Formal admission to Teacher Education and Teacher Certification.

Secondary Areas of Certification

- Biology (p. 201)
- Chemistry (p. 210)
- General Science (http://catalog.wcupa.edu/undergraduate/sciences-mathematics/geology-astronomy/general-science-certification)
- Earth and Space Science (p. 251)
- English (p. 280)
- Social Studies (p. 312)
- Mathematics (p. 387)
- Physics (p. 437)

K-12 Areas of Certification

- French (p. 333)
- German (p. 333)
- Latin (p. 333)
- Russian (p. 333)
- Spanish (p. 333)

Students in the secondary or K-12 education programs must confer regularly with their professional studies advisor in the Department of Educational Foundations and Policy Studies, as well as with the
The University is committed to excellence in educator preparation by preparing candidates to exhibit knowledge, skill, and professional dispositional outcomes (https://www.wcupa.edu/education-socialwork/assessmentaccreditation/dispositions.aspx). Further, the University is committed to the preparation of exemplary professionals to assume roles and responsibilities as educators in a multicultural, global society; to pursue lifelong personal and professional development opportunities; to support the continuing improvement of schools; and to embrace opportunities for leadership in the education community.

West Chester University offers the following undergraduate degree and certification programs (https://www.wcupa.edu/education-socialWork/certification/Programs.aspx) for those who wish to prepare themselves to be certified teachers.

**Formal Admission to Teacher Education (FATE)**

All candidates seeking either a degree or certification in teaching must apply for Formal Admission to Teacher Education (FATE), a process required by the Pennsylvania Department of Education that is different from being admitted to the University. This provision applies to those who have already received University admission to pursue majors in educator preparation. Achieving FATE enables educator preparation candidates to enroll in the advanced coursework required to complete degree and certification programs. According to the PDE guidelines for achieving FATE, effective August 1, 2015, candidates who complete 60 or more credits of college-level coursework may register for additional professional education courses as long as those courses are not designated as advanced-level professional education coursework (please contact your program chair or advisor for guidance).

The minimum standards for formal admission to a WCU educator preparation program include the following:

1. Major in an educator preparation program or enrolled in an elective certification program
2. 48 semester-hour credits of college-level study
3. A minimum cumulative GPA of 2.8 on all college-level work
4. Passing scores, as established by the PDE on one of the following:
   (1) Pre-Service Academic Performance Assessments (PAPA) in Reading, Writing, and Mathematics; (2) Core Academic Skills for Educators (CORE) in Reading, Writing, and Mathematics; (3) Scholastic Achievement Test (SAT); American College Test (ACT); or a combination of qualifying scores from the four test vendors. Please review up-to-date testing information (https://www.wcupa.edu/education-socialwork/patests.aspx), including acceptable scores, or visit the PDE website (http://www.education.pa.gov).
5. Six semester-hour credits of college-level (100 level or above) mathematics, three semester-hour credits of college-level (100 level or above) English composition, and three semester-hour credits in literature taught in English
6. Recommendation by the department of the candidate’s major. (Department recommendation may be contingent upon completion of additional and/or more rigorous requirements than the minimum described above.) Secondary education majors obtain a recommendation from their content advisor as well as their professional education advisor.

WCU educator preparation candidates who achieve FATE must maintain a minimum cumulative GPA of 2.8 to retain FATE status. In most cases, a minimum cumulative GPA of 3.0 must be earned to qualify for Pennsylvania certification. Each program has designated, for its own majors, its advanced professional courses. Only those candidates who have been formally admitted to teacher education are eligible to take these courses. The Office of Candidate Services processes all applications for FATE.
Candidates who earn FATE and later fall below the required cumulative GPA are permitted to repeat advanced professional education course work to improve their GPA to the required level (2.8). Such candidates will not, however, be permitted to register for additional advanced professional education course work in their programs until they again achieve the minimum cumulative GPA required for formal admission (2.8).

Early Field Experiences
Designates courses require early field experience to observe and work with PK-12 students in schools and other settings. Candidates must have a current TB test result, Pennsylvania State Criminal History Record, Federal Criminal History Report, and Department of Public Welfare Child Abuse Report before they can enter an early field experience setting. Under no circumstances may candidates complete field experiences without the proper clearances. Please review the WCU policies on clearances as well as the courses that require clearances (https://www.wcupa.edu/education-socialwork/clearances.aspx). Please note that new University policy gives the dean of the College of Education and Social Work the authority to revoke enrollment in early field experience courses of any candidate who fails to provide criminal clearances prior to the start of the fourth day of the semester according to publicized procedures.

Student Teaching
Student teaching is the culminating experience of the educator preparation program. Candidates must complete student teacher applications via Tk20 (https://wcupa.tk20.com) one year before the semester in which they intend to teach.

To be eligible to complete a student teaching experience, candidates (undergraduates and post-baccalaureates) must have:

- Completed the prerequisite course requirements,
- Met the state-mandated grade point average (2.80) or higher,
- Satisfied the requirements for FATE

All candidates for certification must take all required licensure tests (https://www.wcupa.edu/education-socialwork/patests.aspx) prior to student teaching. Please review all testing information for specific details regarding the testing requirements for your area of certification.

See program listings and advising sheets for specifics and any additional program requirements. Candidates should contact their departments for specific requirements. A candidate must earn an academic grade of C or better in both student teaching assignments and graduate with the state-mandated minimum grade point average (3.0) or higher to qualify for a Pennsylvania teaching certification.

Candidates are assigned a student teaching placement in schools with which the University has a formal agreement.

To graduate from an educator preparation program with a baccalaureate degree, that is, to be a program completer, candidates must have:

- Completed the required course work
- Earned at least minimum grades in courses specified by their program
- Achieved and maintained FATE
- Earned an overall GPA of at least 3.0
- Achieved grades of at least C in both student teaching courses

Applying for Pennsylvania Certification
Candidates apply for certification through the PDE in conjunction with the University’s Certification Office. The application is submitted online through the PDE’s Teacher Information Management System (TIMS). For more information about Pennsylvania certification, review the Certification Information (https://www.wcupa.edu/education-socialwork/certificationinfo.aspx) and the PDE website (http://www.education.pa.gov/pages/default.aspx).

Applicants for the certificate must be citizens of the United States. A non-citizen must declare the intent to become a citizen of the United States and possess a permanent resident visa to qualify for a teaching certificate.

Candidates pursuing initial Pennsylvania Instructional Level I Certification must meet the passing score on the examinations required by the PDE at the time of certification application. Current examinations can be found in PA Tests (https://www.wcupa.edu/education-socialwork/patests.aspx).

Higher Education Opportunity Act - Title II Praxis Test Results for Completers of the Traditional Teacher Preparation Program

Questions related to these tests should be directed to West Chester University’s Professional Testing Center (PTC) (https://www.wcupa.edu/education-socialwork/testingcenter.aspx). The PTC administers these tests throughout the calendar year according to the dates established by Educational Testing Service (ETS).

Instructional I Certificate
A candidate who completes one of the University’s educator preparation programs and passes all licensure tests required by the state qualifies for an Instructional I Certification, which is issued by the PDE. This certification is valid for six years of teaching in Pennsylvania. Recommendation for the certification is made by the Dean of the College of Education and Social Work, who serves as the certifying officer of the University.

Instructional II Certificate
This certification requires three years of successful teaching in Pennsylvania under the Instructional I Certification, successful completion of an Induction Plan approved by the PDE, and the satisfactory completion of 24 credits of additional coursework completed at a baccalaureate-granting institution, after issuance of the baccalaureate degree. This certification is a valid license to teach in Pennsylvania.

All or part of the educational requirements for this credential may be obtained through approved, in-service programs. Effective July 1, 2000 (Act 48) the state requires all certified teachers and administrators to engage in continuing professional development activities. WCU coursework is an acceptable option for the six hours of college credit (or its equivalent) required for teachers and administrators every five years.

Certification in additional subject areas may be obtained by completing requirements for that area, or in certain areas, by completing a Praxis specialty examination. Candidates should consult the department in which they seek certification for information and an evaluation of their credits.

Candidate Professional Dispositions Expectations & Evaluation
The educator preparation programs at West Chester University in the College of Education and Social Work have developed professional dispositions and requirements essential for the profession. These dispositions are based on the 2011 Interstate Teacher Assessment and Support Consortium (InTASC) Model Core Teaching Standards (http://www.ccsso.org/resource-library/intasc-model-core-teaching-standards). Candidates have the opportunity to demonstrate dispositions in courses (assignments, interactions with others) and in the field with mentor teachers and students in PK-12 settings. Please review information regarding professional dispositions and the evaluation process (https://www.wcupa.edu/education-socialwork/assessmentAccreditation/dispositions.aspx) for further details.
Fees and Other Expenses
All candidates pursuing certification in Pennsylvania can expect to spend $300 on required licensure tests, $40 per year on criminal clearances, an average of $30 for TB testing, $200 on the Pennsylvania certification application, and $103 on a Tk20 by Watermark account. If licensure testing or clearances must be repeated for any reason during the candidate’s enrollment at WCU, the student will incur additional expenses. TB testing must be updated annually for all early grades preparation PK–4 majors entering early childhood centers. Note: Fees and other expenses are subject to change within the time span of one’s University career due to changing requirements at national, state, and local levels.

Tk20 by Watermark
The College of Education and Social Work (CESW) uses Tk20 by Watermark as a comprehensive online data management system for assessments of student learning outcomes and field placements. Tk20 by Watermark establishes electronic documentation for continuous improvement of our programs and accreditation. Students will use this system to complete key unit and program course assignments, field applications, field experience binders, surveys, and portfolios.

All students that are enrolled in College of Education and Social Work programs that are accredited by a professional agency (CAEP, CSWE, and CACREP) are required to have a Tk20 by Watermark subscription. This includes graduate and undergraduate programs that lead to licensure/certification, endorsement, and certificate. Effective August 1, 2018, students that do not have an active account are required to subscribe to Tk20. Students can purchase an account for $103 ($100 plus a $3 processing fee) via credit card, money order, or cashier’s check from the Tk20 login page (https://wcupa.tk20.com). Accounts are accessible for seven (7) years after the date of purchase. Please consult your instructor prior to purchasing a Tk20 account if you are not pursuing certification, licensure, and/or endorsement. Note: Fees and other expenses are subject to change within the time span of one’s University career due to changing requirements at national, state, and local levels.

DEPARTMENT OF ENGLISH

College of Arts and Humanities
532 Main Hall
610-436-2822
Department of English (http://www.wcupa.edu/english)
Rodney Mader (rmader@wcupa.edu), Chairperson
Gabrielle Halko (ghalko@wcupa.edu), Assistant Chairperson
Carolyn Sorisio (csorisio@wcupa.edu), Assistant Chairperson

The Department of English offers two degree programs with the choice of either the “literatures” or “writings” track within each program: the bachelor of arts in English and the bachelor of science in education (in cooperation with the College of Education). Each program is planned in consultation with an advisor.

The B.A. in English provides a broad background in English studies; valuable training in the critical skills of reading, interpretation, and analysis; intensive practice in writing; and an understanding of the workings of language. This extremely versatile degree prepares students for graduate studies and law school, and careers in journalism, radio and television, publishing, public relations, and other professions in which skills in reading, writing, and processing information at a sophisticated level are required.

The B.S. in Education in English prepares students to teach in the secondary schools in Pennsylvania under an Instructional I Certificate. These students will in large part satisfy the requirements for a B.A. in English, deriving extensive benefits from participation in a carefully constructed program that emphasizes literature and writing as cultural products and students as active learners. Before receiving permission to student teach, students in this program must satisfy the prerequisites for student teaching listed on the Educator Preparation Programs/Student Teaching (p. 266) section, as well as specific Department of English requirements.

Besides the skills and knowledge that students gain through coursework, the English Department also offers multiple opportunities to apply what they have learned in the academic setting to pre-professional and professional environments. English majors acquire competencies in critical thinking, information literacy, and written and oral communication. Through student teaching, undergraduate research, and internships, students learn how to transfer these valued, highly desirable skills for success in the workforce. In short, these experiences help English majors articulate and demonstrate to employers the ways in which their major has successfully prepared them for diverse professions.

Internships
A student will be permitted to take an internship under department supervision only if he or she is enrolled in a departmental major or minor program and has met the following requirements:

1. An accumulation of at least 80 credits
2. Completion of 12 credits in major or minor program courses
3. A meeting with his or her advisor to obtain information about internship eligibility
4. A meeting with the Department of English internship coordinator (accompanied by a resume)
5. Completion of internship agreement with all required signatures

A student will be limited to 15 hours of internship credit. Students who wish to take more than nine hours of internship credit in one semester must obtain approval from the internship coordinator after submitting an application and an academic transcript in the preceding semester. The internship coordinator will determine the number of credits to be earned during an internship by applying a ratio of 45 hours of work for each hour of academic credit. The internship credits for English majors may be applied to the student/advisor-designed program. Only under exceptional circumstances, and entirely at his or her discretion, will the internship coordinator consider applications from students not meeting the departmental requirements. It is the student’s responsibility to demonstrate that he or she has met the academic requirements for an internship.

Programs

Majors in English
• B.A. in English (p. 298)
• B.S.Ed. in English (p. 280)

Minors in English
• African/African American Literature (p. 291)
• Business and Technical Writing (p. 282)
• Creative Writing (p. 282)
• Film Criticism (p. 282)
• Journalism (p. 282)
• Linguistics (p. 361)
• Literature and Diverse Cultures (p. 282)
• Digital Humanities and New Media (p. 283)

Graduate Opportunities
See the graduate catalog for more information on the English programs. (http://catalog.wcupa.edu/graduate/arts-humanities/english)

Policies
• See undergraduate admissions information. (p. 11)
• See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)
All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

**B.S.Ed in English**

**Student Teaching Prerequisites**

**Formal Admission**

Students should apply for formal admission to the teacher education program in approximately their sophomore year. Formal admission allows students to enter advanced methods courses and student teaching, which then lead to teaching certification. Students must achieve passing scores on the Preservice Academic Performance Assessment (PAPA) modules in reading, writing, and math to achieve formal admission.

Note: Students must complete EDS 306 prior to ENG 390 and ENG 392 (no exceptions).

Students may not take advanced methods courses or student teach without formal admission including the Test of Writing Competency. Students must complete all course work before student teaching. See Educator Preparation Programs, Student Teaching (p. 266).

**Test of Writing Competency**

The Department of English requires that students must pass the Test of Writing Competency to achieve formal admission. This requirement is in addition to the others noted on the Educator Preparation Programs page (p. 266). This test is scheduled once per semester and announced in advance by both the Department of English and the Department of Educational Foundations and Policy Studies (p. 263). Students are urged to take the test as early in their program as possible.

**Grades on Required Courses**

Anyone attempting to qualify for student teaching must pass each of the following courses with a grade of C or higher:

Select one of the following:  

- WRT 205 Critical Writing: Investigating Experience 3
- WRT 220 Critical Writing: Special Topics 3
- WRT 208 Critical Writing: Entering Public Sphere 3
- WRT 206 Critical Writing: Multidisciplinary Imagination 3

A student receiving a grade of C- or lower for any of these courses should retake the course immediately, before attempting courses in the English or education sequence. A student having difficulty with several of the courses listed above should recognize that he or she may not be able to meet the competency requirements for student teaching and should consider withdrawing from the B.S.Ed. program.

**Grade Point Average**

Before receiving formal admission, a student must attain an overall GPA of 2.8 or better, including a minimum GPA of 2.75 for all English courses attempted. Students must maintain these GPA requirements to remain formally admitted. Students must also achieve a GPA of 3.0 by the end of their student teaching.

**Writing Portfolio**

A student in the B.S.Ed. English program must also pass a writing portfolio requirement in order to be eligible to student teach. Preferably two semesters before student teaching, students will submit their writing portfolio to the Department of English for evaluation. Specific requirements of the writing portfolio are listed in the English Majors’ Handbook.

**Praxis II**

All teacher certification candidates must attempt the Praxis II tests required by their program and produce evidence of testing prior to the first day of their student teaching semester.

**Faculty**

**Professors**

Hannah Ashley (hashley@wcupa.edu) (2001)  
Director, Youth Empowerment and Urban Studies Program  
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Courses

**CLS 165. Introduction to World Literature. 3 Credits.**

This course is designed to introduce students to literature representative of both Western and non-Western cultures and can be taken as an alternative to LIT 165. Not open to English majors.
Distance education offering may be available.

**CLS 201. Classical Greco Roman Myth in 20th Century Arts. 3 Credits.**

The study of Greeks and Romans and their influence on 20th and 21st century culture.

**CLS 203. African Studies. 3 Credits.**

This course studies African culture through literature, anthropology, and history. It focuses on the social and cultural contexts of African writing through the colonial and postcolonial periods.
Gen Ed Attribute: Diversity Requirement.

**CLS 255. 20TH Century Native American Literature. 3 Credits.**

An examination of 20th century Native American Literature.

**CLS 258. Women's Literature I. 3 Credits.**

A survey of women’s literature from 800 B.C. to 1800. Readings are chosen from the works of Sappho, Aspasia, Diodora, Mutia, Auvaiyar, Sei Shonagon, Sule Sankaya, Murasaki, Hildegard von Bingen, Millicent, Margarette de Navarre, Phillis Wheatley, Aphra Behn, Madame de Stael, Jane Austen, and Fanny Burney among others.
Gen Ed Attribute: Diversity Requirement.

**CLS 259. Women's Literature II. 3 Credits.**

A survey of women’s literature from 1800 to the present. Readings are chosen from the works of Harriet Jacobs, Ida B. Wells, Louise Alcott, Charlotte Bronte, Jean Rhys, Virginia Woolf, Marguerite Duras, Christa Wolf, Merce Rodoreda, Jamaica Kincaid, Tsitsi Dangarembga, Alifa Rifaat, Louiise Erdrich, Cherrie Moraga, Maxine Hong Kingston, and Arundati Roy among others.
Gen Ed Attribute: Diversity Requirement.

**CLS 260. World Literature I. 3 Credits.**

A survey of world literary texts from pre-classical times to 1600.

**CLS 261. World Literature II. 3 Credits.**

A survey of world literary texts from 1600 to the present.
Gen Ed Attribute: Humanities Distributive Requirement, Writing Emphasis.

**CLS 270. Life, Death, and Disease. 3 Credits.**

A course treating the study of literary works, film, and selected readings from other areas (history, science, fiction, and nonfiction) to generate an understanding of the relationship of human values to medicine, illness, and issues of related importance to physicians.

**CLS 280. Languages of Modernism. 3 Credits.**

A study of modernist ideas and aesthetics across cultures in film, art and theatre.
Gen Ed Attribute: Interdisciplinary Requirement.

**CLS 304. Women and Film. 3 Credits.**

An examination of the role of women in contemporary world cinema and the feminist film.
Gen Ed Attribute: Interdisciplinary Requirement.

**CLS 329. Gender and Peace. 3 Credits.**

An examination of the ways in which social constructions of gender intersect with perceptions and experiences of war and peace.
Gen Ed Attribute: Interdisciplinary Requirement.

**CLS 333. Latina Writing. 3 Credits.**

An examination of the literary works produced by Latinas in the 20th century. The study of this literature will include a cross-cultural approach that will elucidate sociopolitical themes emerging from the texts.
Typically offered in Fall.

**CLS 334. Politics and Economics Lit of Modern Amer. 3 Credits.**

A comparative historical and literary examination of political and economic issues reflected in 20th century U.S. and Latin American literature. The study of representative texts of various genres will also elucidate issues of race, class, and gender.
Gen Ed Attribute: Foreign Language Culture Cluster, Spanish Culture Cluster.

**CLS 350. Computer Applications in the Humanities. 3 Credits.**

This course is designed to provide an introduction to the computer and its applications in a number of humanistic disciplines (literature, history, and writing, but some attention also will be given to foreign languages, linguistics, music, and art).

**CLS 351. African Literature. 3 Credits.**

A study of the representation of Africa through the perspectives of African and non-African writers.

**CLS 361. Modern World Drama. 3 Credits.**

This course seeks to develop and to extend an understanding of the basic elements of drama. The student will be exposed to a range of theatrical practices and diverse traditions of world drama.
Gen Ed Attribute: Writing Emphasis.

**CLS 362. World Lit - Modern Fiction. 3 Credits.**

This course seeks to develop and to extend an understanding of the basic elements of fiction. The student will be exposed to a range of fictional practices and diverse traditions of world fiction.
Gen Ed Attribute: Writing Emphasis.

**CLS 364. Eastern European Literature and Film. 3 Credits.**

A critical-analytical approach to Soviet and Eastern European film covering major movements and theory since WWII.
CLT 365. African American Film. 3 Credits.
This course will study the history, form, and content of African-American film. The films chosen are from various genres and cover older and contemporary films.

CLT 367. Classical Greco Roman Mythology. 3 Credits.
A survey of Greek and Roman mythology from Homer to Ovid.

CLT 368. Greco Roman, Culture, Myth & Society. 3 Credits.
The study of the Trojan War myth cycle in Greek and Roman mythology through literature, history, and art. The way this myth reflects the culture and society of the texts in question.

CLT 369. Literature and Film. 3 Credits.
The interrelationship between selected works of world fiction and their film adaptations.
Gen Ed Attribute: Writing Emphasis.

CLT 371. Law and Disorder in Literature. 3 Credits.
An exploration of the creative nonfiction genre, with a focus not only on writing and craft but also on analyzing the larger questions and contexts surrounding the genre (i.e. truth, authenticity, history and definitions of the genre, ethics of representation).
Gen Ed Attribute: Writing Emphasis.

CRW 199. Transfer Credits. 1-10 Credits.
Transfer Credits.
Repeatable for Credit.

CRW 201. Introduction to Creative Writing. 3 Credits.
Introduction to the craft of writing poetry and fiction. Basic discussion of terms, strategies, and professional models in each genre. Practice in writing and critiquing each genre.
Gen Ed Attribute: Writing Emphasis.

CRW 202. Creative Writing I. 3 Credits.
Writing experience in the crafts of fiction, poetry, nonfiction, and drama.
Gen Ed Attribute: Writing Emphasis.

CRW 203. Creative Writing II. 3 Credits.
Writing experience in the crafts of fiction, poetry, nonfiction, and drama.
Gen Ed Attribute: Writing Emphasis.

CRW 301. Poetry Workshop I. 3 Credits.
The theory and practice of poetry and the exploration of verse forms. Practice in critical and interpretative analysis of poems written by fellow students and professional poets.
Gen Ed Attribute: Writing Emphasis.

CRW 302. Poetry Workshop II. 3 Credits.
The theory and practice of poetry and the exploration of verse forms. Practice in critical and interpretative analysis of poems written by fellow students and professional poets.
Pre / Co requisites: CRW 302 requires a prerequisite of CRW 201, CRW 202, CRW 203, CRW 301, CRW 303, CRW 304, CRW 305, or CRW 306.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall.

CRW 303. Short Story Workshop I. 3 Credits.
Crafting the modern short story with reference to American and British models. The significance of setting, atmosphere, characterization, and theme. Discussion and some exploration of experimental ideas in the genre.
Gen Ed Attribute: Writing Emphasis.

CRW 304. Short Story Workshop II. 3 Credits.
Crafting the modern short story with reference to American and British models. The significance of setting, atmosphere, characterization, and theme. Discussion and some exploration of experimental ideas in the genre.
Pre / Co requisites: CRW 304 requires a prerequisite of CRW 201, CRW 202, CRW 203, CRW 301, CRW 302, CRW 303, CRW 305, or CRW 306.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall.
Repeatable for Credit.

CRW 305. Creative Nonfiction Workshop I. 3 Credits.
An exploration of the creative nonfiction genre, with a focus not only on writing and craft but also on analyzing the larger questions and contexts surrounding the genre (i.e. truth, authenticity, history and definitions of the genre, ethics of representation).
Gen Ed Attribute: Writing Emphasis.
Repeatable for Credit.

CRW 306. Creative Nonfiction Workshop II. 3 Credits.
A continued exploration of the history, theory and craft of the creative nonfiction genre, but with a focus on analyzing and writing various essay styles. Students will be encouraged to concentrate on one specific form (i.e. radio essay, flash nonfiction, hybrid or graphic forms, the lyric or braided essay, environmental writing, travel writing, memoir)
Pre / Co requisites: CRW 306 requires a prerequisite of CRW 201, CRW 202, CRW 203, CRW 301, CRW 303 or CRW 305.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Spring.

CRW 313. Playwriting Workshop I. 3 Credits.
Writing the play: possibilities and limitations of the stage. Attention to sets and costuming where relevant. Characterization by action and dialogue. Problems of establishing motivation. The play’s totality in theme, character, and action. Informal readings of student work.

CRW 400. Writing Seminar. 3 Credits.
Special topics, such as fantasy, science fiction, longer prose works, or the anti-story. To be announced.
Repeatable for Credit.

CRW 401. Introduction to Digital Humanities. 3 Credits.
This course introduces students to Gaming by exploring the history and cultures of play within games. Through hands-on experience, students will critically explore the field by initiating processes of playing, making, and designing games.
Typically offered in Fall.

CRW 402. Foundations of Game Design & Development. 3 Credits.
This course provides students with foundational skills in designing and developing games using industry-standard game development software.
Pre / Co requisites: DHR 210 requires a prerequisite of CRW 201.
Typically offered in Spring.

CRW 403. Digital Humanities. 3 Credits.
This course is an introduction to new media, digital humanities, and computational approaches to the humanities, with a survey of theories, methodologies, and current critical practices.
Typically offered in Fall.
Cross listed courses ENG 230, LIN 230.

Basic concepts of language description, classification, change, reconstruction, dialectology, and sociolinguistics.

ENG 215. Views on Literacy. 3 Credits.
Typically offered in Fall & Spring.
Gen Ed Attribute: Writing Emphasis.

This course explores the political, social, cultural, and historical factors that influenced the development of twentieth century Black Critical Theory. Students will develop an awareness of critical, theoretical, and rhetorical approaches to textual analysis that are central to the field of English Studies as they learn about crucial moments in African American and Diasporic history especially but not only with regard to producing college-level essays. Please note: This is a developmental course and the credits do not count towards degree completion.

ENG 206. Black Critical Theory. 3 Credits.
Typically offered in Fall, Spring & Summer.
Gen Ed Attribute: Writing Emphasis.

This course introduces students to software tools and methodologies necessary for meaningful research in the humanities. Hands on instruction is provided, along with opportunities for independent and sustained research work.
Pre / Co requisites: DHM 325 requires a prerequisite or co-requisite of DHM 280 or instructor consent.
Gen Ed Attribute: Interdisciplinary Requirement.
Distance education offering may be available.
Typically offered in Spring.

ENG 216. Black Critical Theory. 3 Credits.
This course explores the political, social, cultural, and historical factors that influenced the development of twentieth century Black Critical Theory. Students will develop an awareness of critical, theoretical, and rhetorical approaches to textual analysis that are central to the field of English Studies as they learn about crucial moments in African American and Diasporic history and culture such as The Harlem Renaissance, The Realist/Protest Movement, The Civil Rights Era/Black Arts Movement, and The Feminist/Womanist Movement.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

ENG 217. Views on Literacy. 3 Credits.
Typically offered in Fall & Spring.
Gen Ed Attribute: Writing Emphasis.

ENG 207. Book History: Introduction. 3 Credits.
This course provides students with experience in production of books, using historical and modern methods of design.
Pre / Co requisites: ENG 208 requires prerequisite WRT 120.
Gen Ed Attribute: Writing Emphasis.

ENG 303. Essay Workshop. 3 Credits.
Experience in reading and writing essays, with focus on revision, on the use of the public 'I', and on appropriate voice. Attention to invention.
Gen Ed Attribute: Writing Emphasis.

ENG 305. Environmental/Experiential Writing: Taking Action. 3 Credits.
This service-learning writing course will ask students to do environmental service in our area, engage and study texts through reading, analysis and discussion. Students should complete a workshop that provides intensive instruction for students who experience difficulty in writing in various modes that authentically mirror real situations in our personal and professional lives.
Gen Ed Attribute: Writing Emphasis.

ENG 304. Essay Workshop. 3 Credits.
This course introduces students to the study of language as a resource for the production of gender and sexuality. Discussion of popular beliefs and scholarly theories about language and communication.
Gen Ed Attribute: Diversity Requirement, Writing Emphasis.
Typically offered in Spring.

ENG 270. Book History: Introduction. 3 Credits.
This course introduces students to linguistic methodologies of investigating the language of literary texts, as well as media and political discourse, and addresses two key questions: "What is style?" and "How do texts mean?".
Typically offered in Fall.

ENG 279. History and Texts. 3 Credits.
This course focuses on history and its influences on the reception and production of texts. Students will be asked to engage critical historical and literary materials in order to develop insight into how cultural historical circumstances enable the production of texts and influence how readers respond to them. Second of three majors' core courses.
Gen Ed Attribute: Writing Emphasis.

ENG 270. Book History: Introduction. 3 Credits.
This course provides students with experience in production of books, using historical and modern methods of design.
Pre / Co requisites: ENG 270 requires prerequisite WRT 120.
Gen Ed Attribute: Writing Emphasis.

ENG 275. Literary Editing and Publishing. 3 Credits.
Experience in publishing the student literary magazine Daedalus: editing, proofing, photographic selection and layout, and printing.
Consent: Permission of the Department required to add.

ENG 270. Book History: Introduction. 3 Credits.
This course focuses on history and its influences on the reception and production of texts. Students will be asked to engage critical historical and literary materials in order to develop insight into how cultural historical circumstances enable the production of texts and influence how readers respond to them. Second of three majors’ core courses.
Gen Ed Attribute: Writing Emphasis.

ENG 276. Theory, Meaning, Value. 3 Credits.
Focusing on the 20th and 21st Centuries, the course will present several key theoretical perspectives. By exploring these theories, students will consider the ways in which the value of a text emerges from not only the text itself, but also from the historically variable forces of cultural and institutional value systems. They will also explore the role of language in shaping these value systems. Third of three majors’ core courses.
Gen Ed Attribute: Writing Emphasis.

ENG 275. Literary Editing and Publishing. 3 Credits.
Experience in publishing the student literary magazine Daedalus: editing, proofing, photographic selection and layout, and printing.
Consent: Permission of the Department required to add.

ENG 270. Book History: Introduction. 3 Credits.
This course focuses on history and its influences on the reception and production of texts. Students will be asked to engage critical historical and literary materials in order to develop insight into how cultural historical circumstances enable the production of texts and influence how readers respond to them. Second of three majors’ core courses.
Gen Ed Attribute: Writing Emphasis.

ENG 274. Essay Workshop. 3 Credits.
Experience in reading and writing essays, with focus on revision, on the use of the public ‘I’, and on appropriate voice. Attention to invention.
Gen Ed Attribute: Writing Emphasis.

ENG 273. Environmental/Experiential Writing: Taking Action. 3 Credits.
This service-learning writing course will ask students to do environmental service in our area, evaluate others’ environmental actions, and reflect upon these experiences in writing. We will consider writing itself as an important action for self-awareness and social change.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall, Spring & Summer.

ENG 272. Writing and Computers. 3 Credits.
Introduction to document design and production, desktop publishing, and issues of physical properties of texts have altered over time, the course examines, both historically and analytically, the intellectual, social and cultural impact of changing communications technologies against the backdrop of our current digital age.
Gen Ed Attribute: Writing Emphasis.

ENG 269. Theory, Meaning, Value. 3 Credits.
Focusing on the 20th and 21st Centuries, the course will present several key theoretical perspectives. By exploring these theories, students will consider the ways in which the value of a text emerges from not only the text itself, but also from the historically variable forces of cultural and institutional value systems. They will also explore the role of language in shaping these value systems. Third of three majors’ core courses.
Gen Ed Attribute: Writing Emphasis.

ENG 268. Introduction to Digital Humanities. 3 Credits.
An introduction to new media, digital humanities, and computational approaches to literature and writing, with a survey of theories, methodologies, and current critical practices.
Pre / Co requisites: ENG 280 requires prerequisite WRT 120.
Gen Ed Attribute: Writing Emphasis.

ENG 267. Theory, Meaning, Value. 3 Credits.
Focusing on the 20th and 21st Centuries, the course will present several key theoretical perspectives. By exploring these theories, students will consider the ways in which the value of a text emerges from not only the text itself, but also from the historically variable forces of cultural and institutional value systems. They will also explore the role of language in shaping these value systems. Third of three majors’ core courses.
Gen Ed Attribute: Writing Emphasis.

ENG 266. Black Critical Theory. 3 Credits.
This course explores the political, social, cultural, and historical factors that influenced the development of twentieth century Black Critical Theory. Students will develop an awareness of critical, theoretical, and rhetorical approaches to textual analysis that are central to the field of English Studies as they learn about crucial moments in African American and Diasporic history and culture such as The Harlem Renaissance, The Realist/Protest Movement, The Civil Rights Era/Black Arts Movement, and The Feminist/Womanist Movement.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

ENG 265. Views on Literacy. 3 Credits.
The historical and social contexts of English literacy. Emphasis on writing.

ENG 264. Essay Workshop. 3 Credits.
Experience in reading and writing essays, with focus on revision, on the use of the public ‘I’, and on appropriate voice. Attention to invention.
Gen Ed Attribute: Writing Emphasis.

ENG 263. Environmental/Experiential Writing: Taking Action. 3 Credits.
This service-learning writing course will ask students to do environmental service in our area, evaluate others’ environmental actions, and reflect upon these experiences in writing. We will consider writing itself as an important action for self-awareness and social change.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall, Spring & Summer.

ENG 262. Writing and Computers. 3 Credits.
Introduction to document design and production, desktop publishing, and issues of technological impact on written communication.
Gen Ed Attribute: Writing Emphasis.

ENG 261. Structure of Modern English. 3 Credits.
A detailed analysis of the modern descriptive approach to the study of English grammar and how it compares with the traditional approach.
Pre / Co requisites: ENG 231 requires prerequisites of ENG 230 or LIN 230.
ENG 335. History of the English Language. 3 Credits.
Review of the influences on the development of the English language.
Pre / Co requisites: ENG 335 requires prerequisites of ENG 230 or LIN 230.

ENG 339. Dialects of American English. 3 Credits.
Development of the English language in America since colonial settlement. Pronunciation, vocabulary, and grammar of the regional and social dialects of American English.
Pre / Co requisites: ENG 339 requires a prerequisite of ENG 230.
Typically offered in Spring.

ENG 340. Sociolinguistic Aspects of English. 3 Credits.
The study of language in its social context; the ethnography of communication; language and society, social classes, ethnic groups, politics, sex, and education.
Pre / Co requisites: ENG 340 requires prerequisite of ENG 230.

ENG 345. Women Writing: Autobiography. 3 Credits.
a writing seminar directed toward the reading of women’s autobiographies and the writing of personal autobiographical narratives.
Gen Ed Attribute: Writing Emphasis.

ENG 368. Business and Organizational Writing. 3 Credits.
The nature of communication within business and organizations. Theoretical basis and practical application.
Gen Ed Attribute: Writing Emphasis.

ENG 371. Technical Writing. 3 Credits.
Instruction in the forms and techniques of written, oral, and visual communication currently practiced in the scientific and technical professions. A series of coordinated assignments leads to a final project in the student’s field of professional study.
Gen Ed Attribute: Writing Emphasis.

ENG 375. Strategies for Writing in the Workplace. 3 Credits.
Strategy and politics of client-centered and competitive writing that achieves objectives for the professions and organizations.
Gen Ed Attribute: Writing Emphasis.

ENG 382. Teaching English Language Learners PK-12. 3 Credits.
A study of issues and the application of techniques, strategies, and materials for meeting the needs of English Language Learners (ELLs) in inclusive classrooms. Emphases include: sociocultural issues in educational contexts, TESOL through the content areas, linguistics, second language acquisition, the integration and applications of the PA English Language Proficiency Standards PK-12 (ELPS) and current trends in second language teaching, learning and assessment. Includes a field component.
Gen Ed Attribute: Diversity Requirement.
Cross listed courses LAN 382, ENG 382.

ENG 390. Teaching English in Secondary Schools. 3 Credits.
Review of language arts requirements in secondary schools. Special reference to grade-placement with adoption of materials, appraisal of results, and development of programs of study.
Pre / Co requisites: ENG 390 requires prerequisites of EDS 306 and formal admission into teacher education.

ENG 391. Teaching Writing in the Middle School. 3 Credits.
This course instructs future middle school teachers in methods for teaching writing.
Pre / Co requisites: ENG 391 requires a prerequisite of MGP 220 and formal admission to teacher education.

ENG 392. Writing and Teaching Writing Secondary English. 3 Credits.
The course will introduce students to major theorists in composition and literacy theory, including Britton, Emgi, Heath, Murray, Moffett, Perl, and Graves. It will provide opportunities to write in all the modes, for all the purposes and audiences, required by most secondary school curricula, and to analyze these writing experiences in terms of sociocultural, cognitive, and other psychological theory and research.
Pre / Co requisites: ENG 392 requires prerequisites of EDS 306 and formal admission into teacher education.

ENG 395. Internship. 3-12 Credits.
Intensive practical experience with selected businesses, media, and public agencies. Limited to qualified students who have earned a minimum of 80 credit hours. See Handbook for English Majors for specific requirements.
Consent: Permission of the Department required to add. Repeatable for Credit.

ENG 397. Writing Tutoring. 3 Credits.
Theory and practice of writing tutoring, especially for those who plan a career in teaching or who are focusing on the remediation or development of language and writing skills.
Gen Ed Attribute: Writing Emphasis.

ENG 400. Research Seminar. 3 Credits.
This course is a variable-topic research seminar. Students will do advanced work in many topics in English studies, including literature, rhetoric, film, cultural studies, composition, aesthetics, theory, individual authors. This course may be repeated for credit.
Pre / Co requisites: ENG 400 requires prerequisites of ENG 295 and ENG 194, and ENG 206 or ENG 296, and WRT 100 or WRT 120, and WRT 200 or WRT 204 or WRT 205 or WRT 206 or WRT 208 or WRT 220.
Gen Ed Attribute: Writing Emphasis.
Repeatable for Credit.

ENG 410. Independent Study. 3 Credits.
Independent study.
Repeatable for Credit.

ENG 414. Tutoring Practicum. 1 Credit.
Contact department for more information about this course.

ENG 450. Prose Writing Seminar. 3 Credits.
This variable-topic seminar concentrates on problems in advanced writing, focusing on prose analysis and its application to student writing and revision.
Repeatable for Credit.

FLM

FLM 200. Introduction to Film. 3 Credits.
A survey of the principal elements of film including photography, editing, sound, acting, and narrative.

FLM 201. American Film. 3 Credits.
The function of cinema in contemporary society as a socio-cultural, economic and political object, as seen through critical analysis of American films.
Gen Ed Attribute: Writing Emphasis.

FLM 202. American Themes. 3 Credits.
An introduction to contemporary critical and theoretical principles for interpreting American films which concentrates on a single theme.
Gen Ed Attribute: Writing Emphasis.

FLM 400. Film Seminar. 3 Credits.
A seminar which offers students practice in applying contemporary critical and theoretical principles to films in an advanced context.
Pre / Co requisites: FLM 400 requires prerequisite of FLM 200.
Repeatable for Credit.

JRN

JRN 200. Communications Media. 3 Credits.
An introduction to the media of communications, emphasizing the development and characteristics of print and electronic media forms and their impact on American society.

JRN 212. Digital Journalism. 3 Credits.
This is a multimedia course which introduces students to various social media platforms and offers them an opportunity to publish blogs, commentaries, reviews, profiles and other features on the Web. Students will also create Web pages using online resources to gather, write and edit information, use digital cameras to shoot photos/videos and edit them using digital editing software.
Typically offered in Spring.

JRN 225. Newswriting. 3 Credits.
A course designed to develop proficiency in the writing of news stories for daily and weekly newspapers. News values, the structure and style of news, and the preparation of copy in accordance with professional standards will be stressed.
Gen Ed Attribute: Writing Emphasis.

JRN 226. Public Affairs Reporting. 3 Credits.
Instruction and practice in basic news reporting techniques coupled with an introduction to newspaper feature writing. Outside assignments will include coverage of speeches, local government meetings, and the courts.
Pre / Co requisites: JRN 226 requires prerequisite of JRN 225.
LIT 202. African American Literature I. 3 Credits.
A survey of African American writing from the Middle Passage through the first decade of the 20th century. Authors include Wheatley, Equiano, Douglass, Jacobs, Wells-Barnett, Du Bois, Washington, Chesnutt, Weldon Johnson, and others, with an emphasis on the historical contexts of slavery and Jim Crow and on the oral/vernacular roots of the black literary tradition.
Gen Ed Attribute: Writing Emphasis. Typically offered in Fall.

LIT 203. African American Literature II. 3 Credits.
Continuation of LIT 202. A survey of African American writing from the Harlem Renaissance to the present. Authors include Hughes, Hurston, Wright, Ellison, Baraka, Brooks, Sanchez, Morrison, Butler, and others, with an emphasis on the historical forces and social and cultural movements that have shaped black writing in the 20th and 21st centuries.
Gen Ed Attribute: Writing Emphasis. Typically offered in Spring.

LIT 204. New Black Women Writers in America. 3 Credits.
Survey of black women writers of America. Examines themes and influences on American and African-American literary contexts.
Gen Ed Attribute: Writing Emphasis.

LIT 205. Harlem Renaissance. 3 Credits.
This course examines the historical and cultural movement of the 1920's known as the Harlem Renaissance.

LIT 207. Life and Times of Frederick Douglass. 3 Credits.
This course examines the courageous life and times of an American reformer and his influence on slavery, abolitionism, suffrage, and temperance movements in the development of America.

LIT 213. Asian American Literature. 3 Credits.
Survey of representative Asian American authors from their earliest works at the turn of the twentieth century to contemporary works, examined in the context of the changing cultural, economic, and political experiences of Americans of Asian descent.
Gen Ed Attribute: Diversity Requirement, Writing Emphasis.

LIT 219. Literature for Young Children. 3 Credits.
A critical study of the literature for young children for prospective specialists in early grades.
Gen Ed Attribute: Humanities Distributive Requirement.

LIT 220. Children's Literature. 3 Credits.
A critical study of literature for children, setting standards for evaluation and appreciation.
Gen Ed Attribute: Humanities Distributive Requirement.

LIT 230. English Literature I. 3 Credits.
A survey of English literature from Anglo-Saxon writing through the 18th century.
Gen Ed Attribute: Writing Emphasis.

LIT 231. English Literature II. 3 Credits.
A survey of English literature of the 19th and 20th centuries.
Gen Ed Attribute: Writing Emphasis.

LIT 250. Victorian Attitudes. 3 Credits.
A study of 19th-century attitudes toward social changes as expressed in art, architecture, literature, and nonfiction prose.
Gen Ed Attribute: Interdisciplinary Requirement.

LIT 269. The Literature of Roguery. 3 Credits.
A historical study of the rogue in fiction with emphasis on the satiric view of society. Among the authors studied are Defoe, Thackeray, Donleavy, and Kerouac.

LIT 271. Drama Since 1970. 3 Credits.
A selective survey of American and British drama since 1970. The plays studied will be drawn from a wide and expanding group, including Sam Shepard, David Rabe, Lanford Wilson, Tom Stoppard, Peter Shaffer, Caryl Churchill, and others.
Typically offered in Fall & Spring.

LIT 272. New Fiction. 3 Credits.
Fiction published in the last 10 years.
Gen Ed Attribute: Writing Emphasis.

LIT 274. Feminist Poetry. 3 Credits.
A study of poetry espousing the feminist cause and exploring the feminist response. Techniques and attitudes of such poets as Plath, Sexton, Rich, Morgan, Wokoski, and Kumin.
Gen Ed Attribute: Writing Emphasis.
DEPARTMENT OF ENGLISH

LIT 294. Topics in Digital Literature and Culture. 3 Credits.
This is a variable topic course that will examine the ways in which digital culture is shaping our understanding of the literary. Depending on the topic offered, it may include some attention to 1) born-digital forms of literature, such as new-media poetry, interactive fictions, or games; 2) digital methods in the study of literature (e.g. digital editions of print literature, database research methods, networked study of literature), or 3) the perspective that literature (e.g. speculative fiction) can provide on digital culture.
Pre / Co requisites: LIT 294 requires prerequisite: WRT 120.
Distance education offering may be available.
Repeatable for Credit.

LIT 297. Themes in Contemporary Literature. 3 Credits.
Literary topic or theme in contemporary American, English, or world literature to be announced each time the course is offered. NOTE: Advisor permission required to repeat this course.
Repeatable for Credit.

LIT 300. Colonial and Revolutionary Literature. 3 Credits.
Writers of Colonial and Revolutionary America.

LIT 302. Development of the American Novel. 3 Credits.
Beginnings of the American novel to Frank Norris.
Gen Ed Attribute: Writing Emphasis.

LIT 303. Intro to Multi-Ethnic American Literature. 3 Credits.
American ethnic, racial, and national groups in American literature and the contributions of creative literary artists representing these cultures.
Gen Ed Attribute: Diversity Requirement, Writing Emphasis.

LIT 304. American Jewish Novel. 3 Credits.
A study of major American Jewish novelists: Cahan, Singer, Roth, Potok, Bellow, Malamud, Wallant, and Wiesel. No knowledge of Yiddish or Hebrew necessary.

LIT 305. Modern American Drama. 3 Credits.
American drama from the early 1900's to the present, with emphasis on the development of the American theater as seen in such major dramatists as O'Neill, Odets, Wilder, Miller, Williams, and Albee.

LIT 306. Modern American Novel. 3 Credits.
The novel in America from Dreiser to the present.
Gen Ed Attribute: Writing Emphasis.

LIT 307. Modern American Poetry. 3 Credits.
Major 20th-century American poets.

LIT 309. Thoughts/Writings of Martin Luther King. 3 Credits.
Examines and analyzes the writings of Dr. King and their relationship to the themes he pursued and the leadership role he achieved.
Gen Ed Attribute: Interdisciplinary Requirement.

LIT 310. African American Novel I. 3 Credits.
A study of the African American novel from the genre's beginnings in the 1850s through to the Harlem Renaissance of the 1920s and 30s. Authors include William Wells Brown, Harriet Wilson, Frances Harper, Charles Chesnutt, and Nella Larsen, examined in the context of slavery, Reconstruction, Jim Crow, and other historical experiences of African Americans.

LIT 311. African American Novel II. 3 Credits.
A study of the African American novel from Richard Wright's Native Son (1940) to the present. Works including Ralph Ellison's Invisible Man (1952) and Toni Morrison's Beloved (1987) are examined in the context of changing cultural and political experiences of African Americans in the twentieth and twenty-first century.

LIT 328. Old English Language and Literature. 3 Credits.
An introductory study of the language (450-1150 A.D.) through a reading of religious and secular poetry and prose.

LIT 329. Medieval Women's Culture. 3 Credits.
This is a study of writings by medieval women and their contribution to the development of medieval culture.
Typically offered in Fall, Spring & Summer.

LIT 330. Middle English Language and Literature. 3 Credits.
An introductory study of the language (1150-1450 A.D.) through a reading of selected literary texts.

LIT 331. Chaucer. 3 Credits.
An interpretation of Canterbury Tales and Troilus and Criseyde.

LIT 332. English Drama to 1642. 3 Credits.
English drama from the early liturgical tropes to 1642, exclusive of Shakespeare.

LIT 333. Early Modern Poetry. 3 Credits.
Poezy and prose of the 16th and early 17th centuries. See the department handbook for group descriptions.

LIT 334. Milton. 3 Credits.
A survey of his major poetry and prose.

LIT 335. Shakespeare I. 3 Credits.
Reading, analysis, and discussion of selected histories and tragedies. Discussion of critical approaches to the plays and of the historical and intellectual climate of the times.
Gen Ed Attribute: Writing Emphasis.

LIT 336. Shakespeare II. 3 Credits.
Reading, analysis, and discussion of selected comedies and nondramatic poems. Discussion of critical approaches to the works and of the historical and intellectual climate of the times. Either LIT 335 or 336 may be taken first.
Gen Ed Attribute: Writing Emphasis.

LIT 337. Literature of the Enlightenment. 3 Credits.
A critical consideration of the 18th-century writers, exclusive of the dramatists.
Gen Ed Attribute: Writing Emphasis.

LIT 338. Restoration and 18th Century Drama. 3 Credits.
The drama from the reopening of the theaters in 1660 to 1800.
Gen Ed Attribute: Writing Emphasis.

LIT 339. 18th Century British Novel. 3 Credits.
The British novel from Defoe to Austen.
Gen Ed Attribute: Writing Emphasis.

LIT 340. The Romantic Movement. 3 Credits.
Wordsworth, Coleridge, Byron, Shelley, Keats, and their contemporaries in the light of social background and critical doctrine.
Gen Ed Attribute: Writing Emphasis.

LIT 341. 19th Century British Novel. 3 Credits.
The British novel from Austen to Hardy.

LIT 342. Victorian Literature. 3 Credits.
Victorian thought and culture in poetry and nonfiction prose.
Gen Ed Attribute: Writing Emphasis.

LIT 344. Modern British Novel. 3 Credits.
The novel in England from Conrad to the present.

LIT 360. Special Topics Children's/Young Adult Literature. 3 Credits.
In depth study of key genre, theme, or topic in children's or young adult literature.

LIT 364. Modern Irish Literature. 3 Credits.
Major literary writers of Ireland from 1840 to the present: George Moore, Synge, Yeats, Joyce, Shaw, O'Casey, Beckett, Behan, and Seamus Heaney.

LIT 365. Short Fiction. 3 Credits.
Analysis and interpretation of short fiction.

LIT 370. Urbanism and the Modern Imagination. 3 Credits.
Covers a variety of responses of contemporary writers, artists, and planners to the rise of the modern city.

LIT 372. African American Urban Literature. 3 Credits.
Focuses on representations of twentieth century urban life in a variety of African American texts including poetry, film, graphic novels, and short stories.

LIT 398. Young Adult Literature. 3 Credits.
A critical study of literature, including nonprint media, for young adults, focusing on helping prospective teachers develop familiarity with young adult literature and how it may be used in the middle school and high school classroom, stressing gender roles and multicultural issues.
Pre / Co requisites: LIT 398 requires prerequisites of ENG 194 and ENG 295 and (either ENG 296 or ENG 297) or LIT 220.
Distance education offering may be available.
WRH

WRH 199. Transfer Credits. 1-10 Credits.
Transfer Credits.
Repeatable for Credit.

WRH 201. Introduction to Rhetoric. 3 Credits.
This course introduces students to a range of rhetorical traditions, concepts, and theories, both ancient and modern. Students will apply rhetorical principles to analyze arguments in a range of modes, as well as in digital and non-digital contexts.
Typically offered in Fall & Spring.

WRH 205. Composing Cyberspace. 3 Credits.
Students compose websites and blogs and examine the unique intersection of visual and verbal rhetoric that informs composition in cyberspace.
Gen Ed Attribute: Writing Emphasis.

WRH 301. The Rhetorics of Black Americans. 3 Credits.
This course views the language of Black America as a form of cultural expression and means of resistance to oppression in the U.S. Using historical and thematic frames, students will relate their understandings of Black linguistic and rhetorical practices to Black folks' experiences and struggles for improved social, political, and material realities.
Gen Ed Attribute: Diversity Requirement, Writing Emphasis.

WRH 310. Critical Writing: Entering Public Sphere. 3 Credits.
Perspectives on issues of relevance to society. Assignments will ask students to write for diverse social contexts and will help students expand their repertoire of genres and writing strategies.
Typically offered in Fall & Spring.

WRH 315. Propaganda, Power, and Politics. 3 Credits.
This course examines the rhetorical, cultural, and Political dimensions of propaganda, and political manipulation of texts.

WRH 320.1, Cyborg: Technology, Writing and the Body. 3 Credits.
Students will learn to apply various forms of cultural critique to consider how texts that mechanize the human body, shape society, culturally and politically.

WRH 325. Technology and the English Classroom. 3 Credits.
This course provides hands-on technology instruction, including film production, interactive white boards, and Podcasting, of use to future teachers in English or anyone interested in using technology in an educational setting.

WRH 330. Autobiographical Acts. 3 Credits.
Students will research and write autobiography to question its forms and theory.
Pre / Co requisites: WRH 330 requires a prerequisite of WRT 200 or WRT 204 or WRT 205 or WRT 206 or WRT 208 or WRT 220.

WRH 333. African American Autobiography. 3 Credits.
This course introduces students to the rhetorical tradition of African American Autobiography from Frederick Douglass' 1845 Narrative to Barack Obama's Dreams from my Father.

WRH 335. Activism and Advocacy Writing. 3 Credits.
Students investigate, theorize, and produce a variety of documents representing the genres activism and advocates used in a variety of campaigns.

WRH 340. Introduction to Visual Rhetoric. 3 Credits.
This course provides an introduction to some of the major questions motivating the field of visual rhetoric, with the goal of helping students understand the powerful and political rhetorical potential that images possess.
Typically offered in Fall.

WRH 341. Visual Cultures. 3 Credits.
This course considers how visuals are employed and deployed in response to particular rhetorical situations and the cultural, social, historical, and economic factors that create these situations.
Typically offered in Spring.

WRH 342. Document Design. 3 Credits.
This course provides an introduction to document design, a key characteristic of rhetorically effective documents. We may not always notice when a document is designed well, but we certainly notice when a design is ineffective. In this course, we'll explore how visual and verbal elements combine to create meaning and practice basic design principles as we create projects for the class and for clients.
Typically offered in Spring.

WRT

WRT 120. Effective Writing I. 3 Credits.
An intensive course in writing that emphasizes skill in organization and awareness of styles of writing and levels of usage as ways of expressing and communicating experiences.
Gen Ed Attribute: English Composition Requirement.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

WRT 200. Critical Writing and Research. 3 Credits.
Continues the expository writing experience offered in Effective Writing I, and explores techniques of gathering, evaluating, and selecting materials to be used in writing research papers.
Pre / Co requisites: WRT 200 requires a prerequisite of WRT 120 or placement via the WRITE survey.
Gen Ed Attribute: English Composition Requirement.
Typically offered in Fall, Spring & Summer.

WRT 204. Critical Writing: Approaches to Pop Culture. 3 Credits.
The strategies of critical theory and critical writing will be used to examine and explain popular culture. The course will explore multiple media - such as print, television, film, music, and various visual and electronic formats - as representations of humanities, arts, and sciences, about which students will write researched, critical cultural analyses.
Pre / Co requisites: WRT 204 requires a prerequisite of WRT 120 or placement via the WRITE survey.
Gen Ed Attribute: English Composition Requirement.
Typically offered in Fall & Spring.

WRT 205. Critical Writing: Investigating Experience. 3 Credits.
Exploration of the student's personal history and attitudes through carefully structured compositions, including autobiographical narrative, memoir, and introspective analysis.
Pre / Co requisites: WRT 205 requires a prerequisite of WRT 120 or placement via the WRITE survey.
Gen Ed Attribute: English Composition Requirement.
Distance education offering may be available.
Typically offered in Fall & Spring.

WRT 206. Critical Writing: Multidisciplinary Imagination. 3 Credits.
Imagination becomes a vehicle for students to explore a variety of disciplinary and social perspectives on issues of relevance to society. Assignments cover writerly issues, such as genre, style, and language, and related issues, such as the role of imagination, innovations, and discovery in the sciences, arts, social sciences, and humanities, through documented research.
Pre / Co requisites: WRT 206 requires a prerequisite of WRT 120 or placement via the WRITE survey.
Gen Ed Attribute: English Composition Requirement.
Typically offered in Fall & Spring.

WRT 208. Critical Writing: Entering Public Sphere. 3 Credits.
Publication is a goal for many writers. Reporters, scientists, poets, academics, and others write for publication. This class will require students to write for professional and/or class-produced print forums appropriate for humanities, arts, social sciences, and scientific fields, examining those forums in order to analyze and critique their discourse conventions. The course will provide opportunities for students to submit their work to such forums for publication. The class may also produce its own publication about writing-related news and events that students will learn about by conducting documented research projects.
Pre / Co requisites: WRT 208 requires a prerequisite of WRT 120 or placement via the WRITE survey.
Gen Ed Attribute: English Composition Requirement.
Typically offered in Fall & Spring.
WRT 220. Critical Writing: Special Topics. 3 Credits.
Each section will have a special topic that focuses on current (inter)disciplinary issues of importance in the humanities, arts, social sciences, and/or sciences. In these courses students will investigate, research, critique, and practice rhetorical strategies focusing on each section’s topic.
Pre / Co requisites: WRT 220 requires a prerequisite of WRT 120 or placement via the WRITE survey.
Gen Ed Attribute: English Composition Requirement.
Typically offered in Fall & Spring.

B.A. IN ENGLISH

College of Arts and Humanities

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

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<td>Science requirements</td>
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Language Requirement
Must demonstrate language proficiency through the intermediate level (202) 2 3-12

Departmental Preparatory Requirement

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<td>ENG 295</td>
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<td>or ENG 206</td>
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</tbody>
</table>

Departmental Intermediate Requirements
Students choose either the literatures or writings track with two courses required from the nonselected track. (See the department handbook for group descriptions)

Literatures Track
Two courses each from the following three categories - Genres, U.S. Multiethnic and World Literatures, and Historical contexts. Note: Two of the six courses taken must be designated “early” in historical period.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
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<td>LIT 338</td>
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U.S. Multi-Ethnic and World Literatures

<table>
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<tbody>
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<td>CLS 255</td>
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<td>LIT 372</td>
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Historical Contexts

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<td>CLS 369</td>
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<td>LIT 342</td>
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</table>

2018-2019 UNDERGRADUATE CATALOG
**Writing Track**
Two courses each from the following three categories - Style and Aesthetics, Power and Politics, and Information Literacy, Technology, and Media.

### Style and Aesthetics
- CRW 201 Introduction to Creative Writing
- CRW 301 Poetry Workshop I
- CRW 302 Poetry Workshop II
- CRW 303 Short Story Workshop I
- CRW 304 Short Story Workshop II
- CRW 305 Creative Nonfiction Workshop I
- CRW 306 Creative Nonfiction Workshop II
- CRW 491 Creative Writing Workshop in the Long Form
- ENG 250 Stylistics: The Language of Literature
- ENG 270 Book History: Introduction
- ENG 304 Essay Workshop
- ENG 305 Environmental/Experiential Writing: Taking Action
- ENG 345 Women Writing: Autobiography
- ENG 368 Business and Organizational Writing
- JRN 272 Feature Writing
- JRN 312 Sports Reporting and Writing
- JRN 315 Magazine Article Writing
- WRH 330 Autobiographical Acts
- WRH 333 African American Autobiography
- WRH 342 Document Design

### Power and Politics
- ENG 335 History of the English Language
- ENG 339 Dialects of American English
- ENG 340 Sociolinguistic Aspects of English
- ENG 375 Strategies for Writing in the Workplace
- ENG 397 Writing Tutoring
- JRN 225 Newswriting
- WRH 201 Introduction to Rhetoric
- WRH 210 Multicultural Writing
- WRH 301 The Rhetorics of Black Americans
- WRH 310 Written Rhetoric: Power, Politics, and Environmental Writing
- WRH 315 Propaganda, Power, and Politics
- WRH 320 I, Cyborg: Technology, Writing and the Body
- WRH 333 African American Autobiography
- WRH 335 Activism and Advocacy Writing
- WRH 340 Introduction to Visual Rhetoric

### Information Literacy, Technology, and Media
- CLS 350 Computer Applications in the Humanities
- DHM/ENG 280 Introduction to Digital Humanities
- ENG 215 Views on Literacy
- ENG 320 Writing and Computers
- ENG 371 Technical Writing
- JRN 335 Ethical Issues in Mass Media
- FLM 200 Introduction to Film
- WRH 205 Composing Cyberspace
- WRH 305 Images of School in Film
- WRH 325 Technology and the English Classroom
- WRH 341 Visual Cultures

### Departmental Advanced Requirements
- Three seminars from a selection focusing on a specialized topic (ENG 400) 9

### English Electives
Departmental electives, minor, or concentration 18

**Total Minimum Required Credits** 120

1. Majors may not take LIT 100, LIT 165, or CLS 165. For the humanities requirement, majors must take one history and one philosophy course.
2. If 12 credits are required to complete the language intermediate level, one General Education Student Elective will be lost.
3. Course considered to be "early" in the historical period.
4. CLS 400 and ENG 400 are variable topic courses that may be crosslisted as FLM

### Sample Course Plan
To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

<table>
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<tr>
<th>Course Title</th>
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<td><strong>Year One</strong></td>
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<td>Foreign Language Course</td>
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<td>MAT Course</td>
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<td>SPK Course</td>
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<td>WRT 200-level</td>
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<td>Gen Ed Course</td>
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<tr>
<td><strong>Year Two</strong></td>
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<td><strong>Semester Three</strong></td>
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<td>ENG 296 Theory, Meaning, Value</td>
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<tr>
<td>or Black Critical Theory</td>
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<tr>
<td>Track - Crossover</td>
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<td>Minor/EnC Course</td>
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<td><strong>Credits</strong></td>
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2018-2019 UNDERGRADUATE CATALOG
Gen Ed Course 3
Credits 15

**Semester Six**

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**Credits** 15

**Year Four**

**Semester Seven**

<table>
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<td>Minor/Etc Course</td>
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<tr>
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<td>Gen Ed Course</td>
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**Credits** 15

**Semester Eight**

<table>
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<td>Minor/Etc Course</td>
<td>3</td>
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<tr>
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<td>Gen Ed Course</td>
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<tr>
<td>Gen Ed Course</td>
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</tbody>
</table>

**Credits** 15

**Total Credits** 120

**Major Specific Notes**

NB: I + J are included in the Gen Ed classes listed here.

“Selected” track means the track that the student has selected.

“Crossover” means classes from the track that the student is not in.

“Minor/etc” means 18 credits of a formal minor, an approved concentration, or English major electives. Gen ed classes CLS 165, LIT 100, and LIT 165 do not count for English major electives. See English Majors’ Handbook for more requirements related to this section of your program.

Writings track students may only take LIT or CLS (no CLS 350) classes for their track crossover classes.

See English Majors’ Handbook for more requirements.

**B.S.ED. IN ENGLISH**

*College of Arts and Humanities*

**Curriculum**

**General Education Requirements** (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

<table>
<thead>
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<th>Requirement</th>
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<td>Mathematics requirement</td>
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<td>Public Speaking requirement</td>
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<td>Science requirements</td>
<td>6</td>
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<td>Behavioral &amp; Social Science requirements</td>
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<td>Humanities requirements</td>
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<td>Diverse Communities requirement</td>
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<td>Interdisciplinary requirement</td>
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Additional 3 credits in mathematics

Writing Emphasis requirements 9

**Education Requirements**

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<td>EDF 300 Democracy and Education</td>
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<td>EDP 250 Educational Psychology</td>
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<td>ENG/LAN 382 Teaching English Language Learners PK-12</td>
<td>3</td>
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<tr>
<td>EDA 103 Foundations of Special Education</td>
<td>3</td>
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<tr>
<td>EDA 304 Special Ed Processes/Procedures for Secondary Educators</td>
<td>3</td>
</tr>
<tr>
<td>EDR 347 Literacy Development and Secondary Students with Disabilities in Inclusive Classrooms</td>
<td>3</td>
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<tr>
<td>EDS 306 Teaching Principles and Field Experience in Secondary Schools</td>
<td>3</td>
</tr>
<tr>
<td>LIT 398 Young Adult Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENG 392 Writing and Teaching Writing Secondary English</td>
<td>3</td>
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<td>ENG 390 Teaching English in Secondary Schools</td>
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<td>EDS 411 Student Teaching Sec - 1st Half</td>
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<td>EDS 412 Student Teaching Sec - 2nd Half</td>
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**Departmental Preparatory Requirements**

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<td>ENG 295 Histories and Texts</td>
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<td>ENG 296 Theory, Meaning, Value</td>
<td>3</td>
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<tr>
<td>or ENG 206 Black Critical Theory</td>
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**Language and Linguistic Courses**

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<tr>
<td>ENG 230 Introduction to Linguistics</td>
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</tr>
<tr>
<td>ENG 331 Structure of Modern English</td>
<td>3</td>
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</table>

**Departmental Intermediate Requirements**

See the department handbook for group descriptions.

**Literatures track**

One course from the following three categories – “genres,” “U.S. multiethnic and world literatures,” and “historical contexts,” plus two additional literatures courses. At least two courses must be designated “early” in historical period; one course each must clearly satisfy the American, British, and world designations. Literatures track B.S.Ed. students choose an additional three courses as crossover study from the writings track, one of which must be WRH 325.

**Writings track**

WRH 325, one course from the following two categories – “style and aesthetics,” “power and politics” – plus two additional writing track courses. Writings track B.S.Ed. students choose an additional three courses as crossover study from the literatures track. From the literatures track, one American, one British, and one World literatures course must be chosen (among these, one course must be early literature).

**Departmental Advanced Requirements**

Two seminars from a selection focusing on a specialized topic (ENG 400) 1

**Total Minimum Credit Requirement** 123

**Other Degree Completion Requirements**

All teacher certification candidates must attempt the Praxis II tests required by their program and produce evidence of testing prior to the first day of their student teaching semester.

1 Majors may not take LIT 100, LIT 165, or CLS 165. For the humanities requirement, majors must take one history and one philosophy course.

See the Educator Preparation Programs (p. 266) section of this catalog for an explanation of related requirements.

**Sample Course Plan**

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.
## Minor in African/African American Literature

### College of Arts and Humanities

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tr>
<td>ENG 400</td>
<td>Research Seminar</td>
<td>3</td>
</tr>
<tr>
<td>ENG 390</td>
<td>Teaching English in Secondary Schools or Writing and Teaching Writing</td>
<td>3</td>
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<td>ENG 392</td>
<td>Secondary English</td>
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<tr>
<td>EDR 347</td>
<td>Literacy Development and Secondary Students with Disabilities in Inclusive Classrooms</td>
<td>3</td>
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<td>Track 4</td>
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<td>Gen Ed Course</td>
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**Elective Courses**

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<th>Title</th>
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<td>LIT 202</td>
<td>African American Literature I</td>
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<td>or LIT 203</td>
<td>African American Literature II</td>
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<td>LIT 204</td>
<td>New Black Women Writers in America</td>
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<tr>
<td>LIT 205</td>
<td>Harlem Renaissance</td>
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<tr>
<td>LIT 207</td>
<td>Life and Times of Frederick Douglass</td>
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<td>LIT 309</td>
<td>Thoughts/Writings of Martin Luther King</td>
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<tr>
<td>LIT 310</td>
<td>African American Novel I</td>
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<td>LIT 311</td>
<td>African American Novel II</td>
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<td>LIT 372</td>
<td>African American Urban Literature</td>
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<td>CLS 365</td>
<td>African American Film</td>
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**Total Credits**: 123

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### Year Four

**Semester Seven**

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<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ENG 400</td>
<td>Research Seminar</td>
<td>3</td>
</tr>
<tr>
<td>ENG 390</td>
<td>Teaching English in Secondary Schools or Writing and Teaching Writing</td>
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<tr>
<td>ENG 392</td>
<td>Secondary English</td>
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<tr>
<td>EDR 347</td>
<td>Literacy Development and Secondary Students with Disabilities in Inclusive Classrooms</td>
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**Semester Eight**

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<td>EDS 412</td>
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</tbody>
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**Total Credits**: 12

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### Notes

1. Because this program = 123 credits and student teaching = 12 credits, students must either take two 6-class semesters or take two classes during winter or summer sessions.

**Major Specific Notes**

Students should attain FATE by their 4th semester. See requirements (especially Test of Writing Competency) in handbook.

Students should submit their writing portfolios two semesters before student teaching.

I & J classes are built into required education classes.

Must take one British, American, and World lit classes, and one of these classes must be marked “Early,” or “E.”

More requirements are noted in the English Majors’ Handbook.

---

**Minor in African/African American Literature**

**College of Arts and Humanities**

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLS 203</td>
<td>African Studies</td>
<td>3</td>
</tr>
<tr>
<td>or CLS 351</td>
<td>African Literature</td>
<td></td>
</tr>
<tr>
<td>LIT 202</td>
<td>African American Literature I</td>
<td>3</td>
</tr>
<tr>
<td>or LIT 203</td>
<td>African American Literature II</td>
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</tbody>
</table>

**Elective Courses**

Select four of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLS 203</td>
<td>African Studies (if not taken as part of the required courses)</td>
<td></td>
</tr>
<tr>
<td>CLS 351</td>
<td>African Literature (if not taken as part of the required courses)</td>
<td></td>
</tr>
<tr>
<td>ENG 206</td>
<td>Black Critical Theory</td>
<td></td>
</tr>
<tr>
<td>LIT 202</td>
<td>African American Literature I (if not taken as part of the required courses)</td>
<td></td>
</tr>
<tr>
<td>LIT 203</td>
<td>African American Literature II (if not taken as part of the required courses)</td>
<td></td>
</tr>
<tr>
<td>LIT 204</td>
<td>New Black Women Writers in America</td>
<td></td>
</tr>
<tr>
<td>LIT 205</td>
<td>Harlem Renaissance</td>
<td></td>
</tr>
<tr>
<td>LIT 207</td>
<td>Life and Times of Frederick Douglass</td>
<td></td>
</tr>
<tr>
<td>LIT 309</td>
<td>Thoughts/Writings of Martin Luther King</td>
<td></td>
</tr>
<tr>
<td>LIT 310</td>
<td>African American Novel I</td>
<td></td>
</tr>
<tr>
<td>LIT 311</td>
<td>African American Novel II</td>
<td></td>
</tr>
<tr>
<td>LIT 372</td>
<td>African American Urban Literature</td>
<td></td>
</tr>
<tr>
<td>CLS 365</td>
<td>African American Film</td>
<td></td>
</tr>
</tbody>
</table>
MINOR IN BUSINESS AND TECHNICAL WRITING

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>WRH 301</td>
<td>The Rhetorics of Black Americans</td>
</tr>
<tr>
<td>WRH 333</td>
<td>African American Autobiography</td>
</tr>
<tr>
<td>ENG/CLS 400</td>
<td>Research Seminar 1</td>
</tr>
</tbody>
</table>

Total Credits: 18

1. CLS 400 and ENG 400 are variable topic courses that may be crosslisted as FLM.

MINOR IN BUSINESS AND TECHNICAL WRITING

College of Arts and Humanities

Prerequisites

Select one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>WRT 200</td>
<td>Critical Writing and Research</td>
</tr>
<tr>
<td>WRT 204</td>
<td>Critical Writing: Approaches to Pop Culture</td>
</tr>
<tr>
<td>WRT 205</td>
<td>Critical Writing: Investigating Experience</td>
</tr>
<tr>
<td>WRT 206</td>
<td>Critical Writing: Multidisciplinary Imagination</td>
</tr>
<tr>
<td>WRT 208</td>
<td>Critical Writing: Entering Public Sphere</td>
</tr>
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<td>WRT 220</td>
<td>Critical Writing: Special Topics</td>
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</table>

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>ENG 320</td>
<td>Writing and Computers</td>
</tr>
<tr>
<td>ENG 368</td>
<td>Business and Organizational Writing</td>
</tr>
<tr>
<td>ENG 371</td>
<td>Technical Writing</td>
</tr>
<tr>
<td>ENG 375</td>
<td>Strategies for Writing in the Workplace</td>
</tr>
</tbody>
</table>

Elective Courses

Select one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>ART 113</td>
<td>Digital Media</td>
</tr>
<tr>
<td>CSC 141</td>
<td>Computer Science I (or higher)</td>
</tr>
<tr>
<td>ENG 270</td>
<td>Book History: Introduction</td>
</tr>
<tr>
<td>MGT 100</td>
<td>Introduction to Business</td>
</tr>
<tr>
<td>MIS 300</td>
<td>Introduction to Management Information Systems</td>
</tr>
<tr>
<td>MKT 200</td>
<td>Survey of Marketing</td>
</tr>
<tr>
<td>SPK 230</td>
<td>Business and Professional Speech Communication</td>
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</tbody>
</table>

or other elective approved by the program director for the minor

Internship

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>ENG 395</td>
<td>Internship (An additional three semester hours are to be earned through a supervised internship in business or technical writing)</td>
</tr>
</tbody>
</table>

Total Credits: 18

MINOR IN CREATIVE WRITING

College of Arts and Humanities

Required Course

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRW 201</td>
<td>Introduction to Creative Writing</td>
</tr>
</tbody>
</table>

Elective Courses

Any five courses selected from the following:

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<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>CRW 202</td>
<td>Creative Writing I</td>
</tr>
<tr>
<td>CRW 203</td>
<td>Creative Writing II</td>
</tr>
<tr>
<td>CRW 301</td>
<td>Poetry Workshop I</td>
</tr>
<tr>
<td>CRW 302</td>
<td>Poetry Workshop II</td>
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<tr>
<td>CRW 303</td>
<td>Short Story Workshop I</td>
</tr>
<tr>
<td>CRW 304</td>
<td>Short Story Workshop II</td>
</tr>
<tr>
<td>CRW 305</td>
<td>Creative Nonfiction Workshop I</td>
</tr>
<tr>
<td>CRW 306</td>
<td>Creative Nonfiction Workshop II</td>
</tr>
<tr>
<td>CRW 400</td>
<td>Writing Seminar</td>
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<tr>
<td>CRW 490</td>
<td>Writing Seminar in the Novel I</td>
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<tr>
<td>CRW 491</td>
<td>Creative Writing Workshop in the Long Form</td>
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</table>

Total Credits: 18

MINOR IN FILM CRITICISM

College of Arts and Humanities

Required Course

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLM 200</td>
<td>Introduction to Film</td>
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Elective Courses

Any 15 semester hours selected from the following list with the approval of the adviser:

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>CLS 304</td>
<td>Women and Film</td>
</tr>
<tr>
<td>CLS 365</td>
<td>African American Film</td>
</tr>
<tr>
<td>CLS 369</td>
<td>Literature and Film</td>
</tr>
<tr>
<td>CLS 400</td>
<td>Comparative Literature Seminar 1</td>
</tr>
<tr>
<td>COM 217</td>
<td>Introduction to Video Production</td>
</tr>
<tr>
<td>COM 317</td>
<td>Advanced Video Production</td>
</tr>
<tr>
<td>EGE 409</td>
<td>Impact of Holocaust on Lit and Film</td>
</tr>
<tr>
<td>ESP 305</td>
<td>Spanish Cinema</td>
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<tr>
<td>ESP 309</td>
<td>Latin America on Film</td>
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<tr>
<td>FLM 201</td>
<td>American Film</td>
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<tr>
<td>FLM 202</td>
<td>American Themes</td>
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<tr>
<td>FLM 400</td>
<td>Film Seminar</td>
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<tr>
<td>FRE/EFR 350</td>
<td>French Cinema</td>
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<tr>
<td>GER/EGE 404</td>
<td>German Artists as Social Conscience</td>
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<tr>
<td>GER/EGE 405</td>
<td>A Survey of German Film</td>
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<tr>
<td>HIS 376</td>
<td>American History at the Movies</td>
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<tr>
<td>ITA/EIT 360</td>
<td>Italian Film</td>
</tr>
<tr>
<td>SPA 313</td>
<td>Latin America on Film</td>
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</table>

Total Credits: 18

1. CLS 400 and ENG 400 are variable topic courses that may be crosslisted as FLM.

MINOR IN JOURNALISM

College of Arts and Humanities

Core Courses

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
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<td>Communications Media 1</td>
</tr>
<tr>
<td>JRN 212</td>
<td>Digital Journalism 1</td>
</tr>
<tr>
<td>JRN 411</td>
<td>Journalism Practicum 1</td>
</tr>
</tbody>
</table>

Elective Courses

Select three of the following:

<table>
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<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>JRN 225</td>
<td>Newswriting</td>
</tr>
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<td>JRN 226</td>
<td>Public Affairs Reporting</td>
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<tr>
<td>JRN 272</td>
<td>Feature Writing</td>
</tr>
<tr>
<td>JRN 312</td>
<td>Sports Reporting and Writing</td>
</tr>
<tr>
<td>JRN 325</td>
<td>History of Journalism</td>
</tr>
<tr>
<td>JRN 335</td>
<td>Ethical Issues in Mass Media</td>
</tr>
<tr>
<td>COM 252</td>
<td>Writing for Broadcast and Public Relations</td>
</tr>
<tr>
<td>COM 311</td>
<td>Communication Professions in Sports</td>
</tr>
<tr>
<td>COM 317</td>
<td>Advanced Video Production</td>
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</table>

Total Minimum Credits Required: 18

1. A minimum grade of C- is required.

MINOR IN LITERATURE AND DIVERSE CULTURES

College of Arts and Humanities
Required Courses

Select two courses focusing on diversity and literature  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<td>Introduction to World Literature</td>
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<tr>
<td>CLS 201</td>
<td>Classical Greco Roman Myth in 20th Century Arts</td>
<td></td>
</tr>
<tr>
<td>CLS 203</td>
<td>African Studies</td>
<td></td>
</tr>
<tr>
<td>CLS 255</td>
<td>20TH Century Native American Literature</td>
<td></td>
</tr>
<tr>
<td>CLS 258</td>
<td>Women’s Literature I</td>
<td></td>
</tr>
<tr>
<td>CLS 259</td>
<td>Women’s Literature II</td>
<td></td>
</tr>
<tr>
<td>CLS 260</td>
<td>World Literature I</td>
<td></td>
</tr>
<tr>
<td>CLS 261</td>
<td>World Literature II</td>
<td></td>
</tr>
<tr>
<td>CLS 333</td>
<td>Latina Writing</td>
<td></td>
</tr>
<tr>
<td>CLS 334</td>
<td>Politics and Economics Lit of Modern Amer</td>
<td></td>
</tr>
<tr>
<td>CLS 351</td>
<td>African Literature</td>
<td></td>
</tr>
<tr>
<td>CLS 360</td>
<td>World Literature I</td>
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</tr>
<tr>
<td>CLS 361</td>
<td>World Literature II</td>
<td></td>
</tr>
<tr>
<td>ENG 206</td>
<td>Black Critical Theory</td>
<td></td>
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<tr>
<td>ENG 207</td>
<td>Life and Times of Frederick Douglass</td>
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</tr>
<tr>
<td>LIT 202</td>
<td>African American Literature I</td>
<td></td>
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<tr>
<td>LIT 203</td>
<td>African American Literature II</td>
<td></td>
</tr>
<tr>
<td>LIT 204</td>
<td>New Black Women Writers in America</td>
<td></td>
</tr>
<tr>
<td>LIT 205</td>
<td>Harlem Renaissance</td>
<td></td>
</tr>
<tr>
<td>LIT 207</td>
<td>African American Autobiography</td>
<td></td>
</tr>
<tr>
<td>LIT 213</td>
<td>Asian American Literature</td>
<td></td>
</tr>
<tr>
<td>LIT 250</td>
<td>Victorian Attitudes</td>
<td></td>
</tr>
<tr>
<td>LIT 274</td>
<td>Feminist Poetry</td>
<td></td>
</tr>
<tr>
<td>LIT 300</td>
<td>Colonial and Revolutionary Literature</td>
<td></td>
</tr>
<tr>
<td>LIT 302</td>
<td>Development of the American Novel</td>
<td></td>
</tr>
<tr>
<td>LIT 303</td>
<td>Intro to Multi-Ethnic American Literature</td>
<td></td>
</tr>
<tr>
<td>LIT 304</td>
<td>American Jewish Novel</td>
<td></td>
</tr>
<tr>
<td>LIT 305</td>
<td>Modern American Drama</td>
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</tr>
<tr>
<td>LIT 307</td>
<td>Modern American Novel</td>
<td></td>
</tr>
<tr>
<td>LIT 309</td>
<td>Thoughts/Writings of Martin Luther King</td>
<td></td>
</tr>
<tr>
<td>LIT 310</td>
<td>African American Novel I</td>
<td></td>
</tr>
<tr>
<td>LIT 311</td>
<td>African American Novel II</td>
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<tr>
<td>LIT 329</td>
<td>Medieval Women’s Culture</td>
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<tr>
<td>LIT 331</td>
<td>Chaucer</td>
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<td>LIT 332</td>
<td>English Drama to 1642</td>
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<tr>
<td>LIT 333</td>
<td>Early Modern Poetry</td>
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<td>LIT 334</td>
<td>Milton</td>
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<td>LIT 335</td>
<td>Shakespeare I</td>
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<td>LIT 336</td>
<td>Shakespeare II</td>
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<tr>
<td>LIT 337</td>
<td>Literature of the Enlightenment</td>
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<tr>
<td>LIT 338</td>
<td>Restoration and 18th Century Drama</td>
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<tr>
<td>LIT 339</td>
<td>18th Century British Novel</td>
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<td>LIT 341</td>
<td>19th Century British Novel</td>
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<td>LIT 342</td>
<td>Victorian Literature</td>
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<td>LIT 344</td>
<td>Modern British Novel</td>
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<tr>
<td>LIT 360</td>
<td>Special Topics Children’s/Young Adult Literature</td>
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<tr>
<td>LIT 364</td>
<td>Modern Irish Literature</td>
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<tr>
<td>LIT 370</td>
<td>Urbanism and the Modern Imagination</td>
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<tr>
<td>LIT 372</td>
<td>African American Urban Literature</td>
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Select two courses focusing on writing and literature  

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<th>Course Title</th>
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<tbody>
<tr>
<td>ENG 270</td>
<td>Book History: Introduction</td>
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<tr>
<td>ENG 295</td>
<td>Histories and Texts</td>
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<td>ENG 296</td>
<td>Theory, Meaning, Value</td>
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</tr>
<tr>
<td>WRH 333</td>
<td>African American Autobiography</td>
<td></td>
</tr>
<tr>
<td>CLS 165</td>
<td>Introduction to World Literature</td>
<td></td>
</tr>
<tr>
<td>CLS 201</td>
<td>Classical Greco Roman Myth in 20th Century Arts</td>
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</tr>
<tr>
<td>CLS 203</td>
<td>African Studies</td>
<td></td>
</tr>
<tr>
<td>CLS 255</td>
<td>20TH Century Native American Literature</td>
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</tr>
<tr>
<td>CLS 258</td>
<td>Women’s Literature I</td>
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<td>CLS 261</td>
<td>World Literature II</td>
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<tr>
<td>CLS 280</td>
<td>Languages of Modernism</td>
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<tr>
<td>CLS 333</td>
<td>Latina Writing</td>
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<tr>
<td>CLS 334</td>
<td>Politics and Economics Lit of Modern Amer</td>
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<tr>
<td>CLS 351</td>
<td>African Literature</td>
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<td>CLS 361</td>
<td>Modern World Drama</td>
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<td>CLS 367</td>
<td>Classical Greco Roman Mythology</td>
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<tr>
<td>CLS 368</td>
<td>Greco Roman, Culture, Myth &amp; Society</td>
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</tbody>
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Electives

Select two additional courses in literature or comparative literary studies at or above the 100-level.  

<table>
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<th>Course Title</th>
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<tr>
<td>CLS 371</td>
<td>Law and Disorder in Literature</td>
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</tr>
<tr>
<td>LIT 165</td>
<td>Topics in Literature</td>
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</tr>
<tr>
<td>LIT 202</td>
<td>African American Literature I</td>
<td></td>
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<tr>
<td>LIT 203</td>
<td>African American Literature II</td>
<td></td>
</tr>
<tr>
<td>LIT 204</td>
<td>New Black Women Writers in America</td>
<td></td>
</tr>
<tr>
<td>LIT 205</td>
<td>Harlem Renaissance</td>
<td></td>
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<tr>
<td>LIT 207</td>
<td>Life and Times of Frederick Douglass</td>
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</tr>
<tr>
<td>LIT 213</td>
<td>Asian American Literature</td>
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<td>LIT 219</td>
<td>Literature for Young Children</td>
<td></td>
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<td>LIT 230</td>
<td>English Literature I</td>
<td></td>
</tr>
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<td>LIT 231</td>
<td>English Literature II</td>
<td></td>
</tr>
<tr>
<td>LIT 250</td>
<td>Victorian Attitudes</td>
<td></td>
</tr>
<tr>
<td>LIT 271</td>
<td>Drama Since 1970</td>
<td></td>
</tr>
<tr>
<td>LIT 272</td>
<td>New Fiction</td>
<td></td>
</tr>
<tr>
<td>LIT 274</td>
<td>Feminist Poetry</td>
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<tr>
<td>LIT 300</td>
<td>Colonial and Revolutionary Literature</td>
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<tr>
<td>LIT 302</td>
<td>Development of the American Novel</td>
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<tr>
<td>LIT 303</td>
<td>Intro to Multi-Ethnic American Literature</td>
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<tr>
<td>LIT 304</td>
<td>American Jewish Novel</td>
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<tr>
<td>LIT 305</td>
<td>Modern American Drama</td>
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<tr>
<td>LIT 307</td>
<td>Modern American Novel</td>
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<td>Thoughts/Writings of Martin Luther King</td>
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<tr>
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<td>African American Novel I</td>
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<td>LIT 311</td>
<td>African American Novel II</td>
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<tr>
<td>LIT 329</td>
<td>Medieval Women’s Culture</td>
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<tr>
<td>LIT 331</td>
<td>Chaucer</td>
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<tr>
<td>LIT 332</td>
<td>English Drama to 1642</td>
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<tr>
<td>LIT 333</td>
<td>Early Modern Poetry</td>
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<tr>
<td>LIT 334</td>
<td>Milton</td>
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<tr>
<td>LIT 335</td>
<td>Shakespeare I</td>
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<td>LIT 336</td>
<td>Shakespeare II</td>
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<tr>
<td>LIT 337</td>
<td>Literature of the Enlightenment</td>
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<tr>
<td>LIT 338</td>
<td>Restoration and 18th Century Drama</td>
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<td>LIT 339</td>
<td>18th Century British Novel</td>
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<td>LIT 341</td>
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<tr>
<td>LIT 342</td>
<td>Victorian Literature</td>
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<td>LIT 344</td>
<td>Modern British Novel</td>
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<td>LIT 360</td>
<td>Special Topics Children’s/Young Adult Literature</td>
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<td>LIT 364</td>
<td>Modern Irish Literature</td>
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<tr>
<td>LIT 370</td>
<td>Urbanism and the Modern Imagination</td>
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<tr>
<td>LIT 372</td>
<td>African American Urban Literature</td>
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</table>

Total Minimum Credits Required  

18

MINOR IN DIGITAL HUMANITIES AND NEW MEDIA

College of Arts and Humanities

Curriculum

Required Core Courses  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CLS 165</td>
<td>Introduction to World Literature</td>
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<tr>
<td>CLS 201</td>
<td>Classical Greco Roman Myth in 20th Century Arts</td>
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<td>CLS 203</td>
<td>African Studies</td>
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<td>CLS 255</td>
<td>20TH Century Native American Literature</td>
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<td>CLS 258</td>
<td>Women’s Literature I</td>
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<td>CLS 259</td>
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<tr>
<td>CLS 260</td>
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<tr>
<td>CLS 261</td>
<td>World Literature II</td>
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<tr>
<td>CLS 333</td>
<td>Latina Writing</td>
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<tr>
<td>CLS 334</td>
<td>Politics and Economics Lit of Modern Amer</td>
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<td>CLS 351</td>
<td>African Literature</td>
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<tr>
<td>CLS 361</td>
<td>Modern World Drama</td>
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<td>CLS 362</td>
<td>World Lit - Modern Fiction</td>
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<tr>
<td>CLS 367</td>
<td>Classical Greco Roman Mythology</td>
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<tr>
<td>CLS 368</td>
<td>Greco Roman, Culture, Myth &amp; Society</td>
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</tbody>
</table>
**ETHNIC STUDIES PROGRAM**

**College of Arts and Humanities**

201 Old Library Building
610-436-2308

Ethnic Studies (http://www.wcupa.edu/ethnicStudies)
Miguel Ceballos (mceballos@wcupa.edu), Director

Ethnic Studies is an interdisciplinary program that provides students with a critical understanding of the social and historical experience of racial and ethnic groups in the U.S. and the impact of social, economic, political, philosophical, and cultural systems and structures on these groups. The minor program offers a minor to any student, regardless of major, who satisfactorily completes 18 semester hours of work in Ethnic Studies. The minor offers an interdisciplinary course of study with a concentration in one of the following areas:

- African American Studies
- Asian American Studies
- Jewish American Studies
- Latino/a Studies
- Native American Studies
- Multi-Cultural Studies

**Committee Members**

Mahmoud Amer, Languages and Cultures
Mahrulk Azam, Chemistry
Timothy J. Brown, Communication and Media
Miguel Ceballos, Anthropology and Sociology
Janet Chang, Psychology
Cecilia Lee-Fang Chien, History
Valerian Desousa, Anthropology and Sociology
Michael A. Di Giovine, Anthropology and Sociology
Anita K. Foeman, Communication and Media
Jonathan Friedman, History
Paul D. Green, English
Daniela Johannes, Languages and Cultures
V. Krishna Kumar, Psychology
Ann Lieberman-Colgan, Educational Development
Don McCown, Health
 Cherise Pollard, English

**Ana C. Sanchez, Languages and Cultures**
Alice Speh, Languages and Cultures
Anita K. Foeman, Political Science
Chiwoneso B. Tinago, Health
Spring Ulmer, English

**Carla Lee Verderame, English**

### Programs

**Minors in Ethnic Studies**
- Ethnic Studies (p. 285)

### Policies

- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

### Faculty

**Professors**

Mahrulk Azam (mazam@wcupa.edu) (2004)
B.S., Punjab University; M.S., Quaid-e-Azam University; M.S., Ph.D., Seton Hall University

Timothy J. Brown (tbrown@wcupa.edu) (2002)
B.A., M.A., West Chester University; Ph.D., Ohio University

Cecilia Lee-Fang Chien (cchien@wcupa.edu) (2005)
B.A., Central Michigan University; M.A., Ph.D., Harvard University

Anita K. Foeman (afoceman@wcupa.edu) (1991)
B.H., Defiance College; M.A., Ph.D., Temple University

Jonathan Friedman (jfriedman@wcupa.edu) (2002)
Director, Holocaust and Genocide Studies

Graduate Coordinator; Holocaust and Genocide Studies

B.A., Kent State University; M.A., Ph.D., University of Maryland - College Park

Paul D. Green (pgreen@wcupa.edu) (1971)
A.B., Temple University; A.M., Ph.D., Harvard University

V. Krishna Kumar (vkumar@wcupa.edu) (1977)
B.S., Osmania University (India); M.S., Indian Agricultural Research Institute; M.S., Ph.D., University of Wisconsin-Madison

Cherise Pollard (cpollard@wcupa.edu) (1999)
B.A., Rutgers - The State University of New Jersey; M.A., Ph.D., University of Pittsburgh

Alice J. Speh (aspeh@wcupa.edu) (1989)
Director, Liberal Studies Program

Director, Russian Studies Program

A.B., Brown University; M.A., Ph.D., Bryn Mawr College

Linda S. Stevenson (lstevenson@wcupa.edu) (2002)
Assistant Chairperson, Political Science

B.A., College of Wooster; M.A., Ph.D., University of Pittsburgh

Carla Lee Verderame (cverderame@wcupa.edu) (1998)
A.B., Smith College; M.A.T., Brown University; Ph.D., University of Michigan

**Associate Professors**

Miguel Ceballos (mceballos@wcupa.edu) (2012)
Director, Ethnic Studies Program
MINOR IN ETHNIC STUDIES

College of Arts and Humanities

Ethnic studies includes the Ethnic Studies Institute and program. The institute sponsors cultural programming, grant writing, and research. The program offers a minor to any student, regardless of major, who satisfactorily completes 18 semester hours of work in ethnic studies. Study may lead to a multietnic emphasis or to a concentration in one or more of the broad categories:

- The African American Studies concentration offers an interdisciplinary course of study to students interested in the literary, historical, artistic, cultural, and sociological significance of African American culture.
- The Asian American Studies concentration offers an interdisciplinary and structured course of study to students interested in the philosophical, literary, historical, sociological, and cultural significance of Asian American culture.
- The Jewish American Studies concentration offers an interdisciplinary and structured course of study to students interested in Jewish history, language, and literature, and cultural significance of Jewish American culture.
- The Latino/a Studies concentration offers an interdisciplinary course of study to students interested in the literary, political, artistic, and cultural significance of Latino/a American culture.
- The Native American Studies concentration offers a comprehensive course of study structured around the study of the historical, cultural, and sociological significance of Native American culture.

For each option currently offered there are, in addition to the relevant ethnic studies core courses, certain cognate courses. These cognate courses do not necessarily deal directly with ethnic group life but give an added dimension of social and historical background.

As soon as possible, students should register their intent to earn the minor with the director of the Ethnic Studies Institute (ESI). At the end of each semester, students should report the ethnic-related courses completed during the semester and the courses planned for the following semester to the director. An updated list of courses approved for credit is available each semester from the ESI before the advising and scheduling period. Students can use an approved ethnic-related course toward the completion of the minor in ethnic studies at the same time it is being used to fulfill their major, other minor, or elective requirements.

Students are encouraged to attend at least two cultural ethnic events - speakers, musical programs, art shows, theatre productions, or films - each year.

EXPLORATORY STUDIES

Overview

Exploratory Studies (formerly Pre-Major Academic Advising)
222 Lawrence Center
610-436-3505
610-436-2600 (fax)
email: advising@wcupa.edu
Exploratory Studies website (http://www.wcupa.edu/viceProvost/ussss/pmac)

Francis Atuahene (fatuahene@wcupa.edu), Director
Ann Colgan (acolgan@wcupa.edu), Assistant Director

The faculty advisors in Exploratory Studies (EXPS) help undecided WCU students explore majors and also guide students regarding course selection and grade requirements for those majors. We recognize that choosing a major and career direction is an important step in life, and making this decision is a complex process. In addition, we stress the importance of transferable skills, which are obtainable in every WCU major and which can be applied to almost every career, regardless of major.

At WCU, academic advising is an educational partnership between an advisor and a student whose goal is the student’s academic, personal, and professional success. Advisors and advisees collaborate to help students achieve their aims. The advising relationship thus mirrors other teaching relationships at West Chester University. Advisors explain policies, identify resources, and give advice; however, students are ultimately responsible for making the decisions that will keep them on track to successfully graduate in a timely way.

Students accepted into Exploratory Studies might fit one of four broad categories:

1. Students who have applied to other majors but have not yet been accepted into that major.
   a. These students work with their EXPS advisors to meet the entrance requirements for their desired majors and are able to change their majors to their originally intended major when they have taken the necessary courses and have the minimum required GPAs.

2. Students who have two or three possible major interests and need to narrow down their choices before entering their chosen major.
   a. These students work with their EXPS advisors, the Career Development Center, and other resources to reflect on their strengths and interests.
   b. Students also schedule and take courses which might work for several of their major interests to aid in their decision-making process.
c. It is possible to create such flexible schedules for up to two semester; after that, students must have determined a major direction.

3. Students who may have no idea what they want to major in, in part because they have limited knowledge about what the options are.
   a. These students work with their EXPS advisors, the Career Development Center, and other resources to reflect on their strengths and interests.
   b. These students attend special workshops and programs offered by Exploratory Studies in collaboration with the Career Development Center and various academic departments.
   c. EXPS advisors remind students that they will not make a mistake in choosing a major since all majors can lead to many careers because of the flexible skills that college degree programs impart.
   d. Students deliberately schedule courses to engage in major and career exploration.
   e. It is possible to create such flexible schedules for up to two semester; after that, students must have determined a major direction.

4. Students who have been accepted into other WCU majors but change their minds and transfer to Exploratory Studies to begin the process of deciding upon and earning entrance to their desired new major.

Programs
Orientation (http://www.wcupa.edu/_services/Stu.nsp/default.aspx)
Parent Information Session (https://www.wcupa.edu/_services/stu.nsp/parentHandbook)
Advising Part 2: Navigating myWCU (http://www.wcupa.edu/viceProvost/usss/pmaec/studentResources.aspx)
Probation Workshop (http://www.wcupa.edu/_academics/advising/goodAdvising.aspx)
Collaborations with Career Development (http://www.wcupa.edu/_services/stu.car)
Fall Ice Cream Social
Majors Fair

Policies
- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

Undeclared Major Declaration Policy
Policy Requirements
First year students who entered West Chester University as undeclared/pre-major must declare a major at the completion of 45 West Chester University earned credits. This is most often equivalent to three semesters of full-time study at the University. Transfer students (Internal and External) who are undeclared must declare a major after two semesters of full-time study as an undeclared student. Students must be in good academic standing and must meet all admission requirements specified by the program s/he plans to transfer into.
Exception to this policy may be granted to students who are planning to declare a major with highly restrictive admission requirements and may need additional semesters to complete those requirements. Any undeclared student who does not declare a major within the stipulated period of time will be required to develop an action plan addressing his/her academic area(s) of interest before the advisor hold will be lifted to enable the student schedule for the next semester.

Request to Postpone/Defer Declaring a Major
An undeclared/pre-major student may submit a request to defer declaring a major if the student is postponing major declaration because s/he has yet to complete the prerequisites for the anticipated major. The process of postponing a major declaration requires an established plan of action by the student, which must be approved by the student’s academic advisor, the chairperson of the department of Educational Development Services (EDS), and the dean/designee of University College.

Faculty
Professor
John A. Kinslow (jkinslow@wcupa.edu) (1998)
Chairperson, Educational Development
Advisor, Exploratory Studies
B.A., Antioch University; M.Ed., Ph.D., Temple University

Associate Professor
Francis Atuahene (fatuahene@wcupa.edu) (2009)
Director, Exploratory Studies
B.A., University of Ghana; M.A., M.P.A., Ph.D., Ohio University

Assistant Professors
Ann Lieberman-Colgan (acolgan@wcupa.edu) (2007)
Assistant Director, Exploratory Studies
B.A., West Chester University of Pennsylvania; M.Ed., River College; Ed.D., Gratz College
Courtney Ann Lloyd (clloyd@wcupa.edu) (2017)
B.S., Pennsylvania State University; M.P.A., D.P.A., West Chester University

DEPARTMENT OF GEOGRAPHY AND PLANNING

College of Business and Public Management
506 Business and Public Management Center
50 Sharpless Street
West Chester, PA 19383
610-436-2343
Department of Geography and Planning (http://www.wcupa.edu/geographyPlanning)
Dottie Ives-Dewey (divesdewey@wcupa.edu), Chairperson

The Department of Geography & Planning prepares students for careers in a range of fields including urban and regional planning, geographic information systems, environmental conservation, and more. Students in the program are equipped with the professional and technical skills needed to guide complex processes of a changing world, to utilize cutting edge technologies to create sustainable built and natural environments, and to enrich communities through leadership, entrepreneurial activity, social responsibility, and environmentally sustainable planning and policy. According to the U.S. Department of Labor, the Geospatial Technology industry is growing at an annual rate of 35% as private, government, and non-profit sectors incorporate GIS as part of their information systems.

The B.S. in Urban and Environmental Planning prepares students to enter the workforce as professional planners, GIS analysts, or in related professions. Professional planners play a major role in shaping communities; in providing guidance for sustainable development; and in addressing social, environmental, political, and economic problems of communities. GIS Analysts work in a range of industries including
private business, local and regional planning agencies, the federal government, and non-profit organizations.

The B.A. in Geography offers four separate track options, all of which share a common core of courses in geography, including maps and remote sensing, basic GIS, spatial statistics and the completion of an individual research project. The General Geography Track offers the most flexibility and provides an overview of the three areas of planning, GIS, and environmental conservation. The Environmental Track provides a more focused study of environmental analysis and conservation practices. The GIS Track provides more advanced applications of geospatial technologies. The Elective Social Science Track provides an opportunity for a student to complete social studies post-baccalaureate teaching certification.

Both programs also prepare students for graduate study in planning, GIS, environmental science, and law.

Department Mission Statement
The mission of the Department of Geography and Planning is multifaceted. The mission is to produce geographers and planners conceptually prepared and technically skilled for spatial analysis and problem solving; to provide majors with the basic background of the discipline; to provide the opportunity to specialize in an area of their interest such as geographic information systems (GIS) and planning; to link undergraduate programs to the surrounding community for professional and graduate-level training; and to serve as a resource for community planning, consulting, and research needs.

In keeping with this mission, the department has the following learning goals for the undergraduate program:
1. Basic background knowledge in the discipline of geography and planning
2. Conceptual and technical skills for spatial analysis and problem solving
3. The ability to conduct geographic research

Programs

Majors in Geography and Planning
- B.A. in Geography (p. 290)
  - B.A. in Geography to M.S. in Geography Accelerated Program (p. 290)
- B.S. in Urban and Environmental Planning (p. 293)
  - B.S. in Urban and Environmental Planning to M.S. in Geography Accelerated Program (p. 293)
  - B.S. in Urban and Environmental Planning to Master of Urban and Regional Planning Accelerated Program (p. 293)

Minors in Geography and Planning
- Geography and Planning (p. 294)
- Business Geographic Information Systems (p. 295)

Certificates in Geography and Planning
- Elective Social Studies Teacher Certification (p. 312)

Graduate Opportunities
See the graduate catalog for more information on the Geography and Planning programs. (http://catalog.wcupa.edu/graduate/business-public-management/geography-planning)

Policies
- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

Accelerated Program Policy
Refer to the Accelerated Programs page (p. 129) for more information.

Faculty

Professors
Joy Fritschle (jfritschle@wcupa.edu) (2007)
B.A., Humboldt State University; M.S., University of Memphis; Ph.D., University of Wisconsin-Madison
Dorothy Ives-Dewey (divesdewey@wcupa.edu) (2005)
Chairperson, Geography and Planning
Graduate Coordinator, Geography and Planning
B.A., Lafayette College; M.P.I., University of Southern California; Ph.D., University of Pennsylvania
James P. Lewandowski (jlewandowski@wcupa.edu) (1991)
B.A., M.A., University of Toledo; Ph.D., Ohio State University
Joan M. Welch (jwelch@wcupa.edu) (1990)
B.A., St. Cloud State University; M.A., Ph.D., Boston University

Associate Professors
Gary Coutu (gcoutu@wcupa.edu) (2005)
B.A., Duquesne University; M.S.P.M.P., Carnegie Mellon University; Ph.D., Texas A&M University
Matin Katirai (mkatirai@wcupa.edu) (2009)
Graduate Coordinator, Geography and Planning
B.A., York University, Toronto; M.P.H., University of Kentucky College of Public Health; Ph.D., University of Louisville

Assistant Professor
Megan L. Heckert (mheckert@wcupa.edu) (2014)
B.S., Brown University; M.A., Ph.D., Temple University

Courses

GEO

GEO 101. World Geography. 3 Credits.
The scope of geography and understanding of the world’s regions generated by it. Human society is examined in a frame of spatial, environmental, and resource factors. Map skills and other ‘tools’ of geography are introduced.
Gen Ed Attribute: Behavioral and Social Science Distributive.
Distance education offering may be available. Typically offered in Fall, Spring & Summer.

GEO 102. Physical Geography. 3 Credits.
The study of basic principles of physical geography and of relationships between components of the total earth environment.
Typically offered in Fall.

GEO 103. Human Geography. 3 Credits.
An inquiry into the theoretical and applied approaches to the study of human spatial behavior and the distribution of social problems.
Gen Ed Attribute: Behavioral and Social Science Distributive.
Distance education offering may be available. Typically offered in Spring & Summer.
GEO 104. Introduction to Geospatial Technology and Analytics. 3 Credits.

This course develops critical thinking skills through the exploration of the fundamental components of data analytics in terms of spatial data and geospatial technologies. This includes the basic concepts and skills related to the 3 core areas of analytics, 1) data, 2) analysis, and 3) visualization. Data structures and skills are examined within the context of Geographic Information Systems (GIS). Spreadsheets, database tools, GIS software, and geospatial technology are used to capture, manage, and store spatial data. Analysis tools, such as spreadsheet functions, scripts, and GIS software are used to investigate data sets related to discipline-specific projects. Geovisualization of results are communicated using map applications, dash boards, and story maps.

Gen Ed Attribute: Science Distributive Requirement.
Typically offered in Fall & Spring.

GEO 200. Global Cities. 3 Credits.

GEO 200 introduces students to historical and current spatial patterns within global cities. This class will discuss the major concepts of urban development and growth, globalization, and city systems using lectures, class discussion, and videos. The goal of the course is to provide the students with an understanding of the basic principles of geography and apply those principles to the study of cities across the globe. The course emphasizes the environmental and human characteristics that make cities distinctive collectively and individually.

Gen Ed Attribute: Behavioral and Social Science Distributive.
Distance education offering may be available.
Typically offered in Summer.

GEO 204. Introduction to Urban Studies. 3 Credits.

An examination of the breadth of urban studies from the perspectives of many social science disciplines. Philadelphia is emphasized as an object of perception, as a place of life and livelihood, and as an example of continual change in the urban environment.

Gen Ed Attribute: Diversity Requirement, Interdisciplinary Requirement.
Distance education offering may be available.
Typically offered in Fall & Spring.

GEO 205. Geography of Agriculture, Food & Sustainability. 3 Credits.

Human beings eat food daily and this necessity has led to conversion of half of the Earth's land surface to agricultural use. This course introduces students to the spatial patterns of agricultural systems on the planet, the physical geography related to them. Students will investigate the impacts of modern agriculture on the environment, and human culture and health. This will be followed by an introduction to sustainable alternatives including local small scale organic agriculture, urban gardening, and resilient diverse food cropping systems. Students will choose a region of the world to study sustainable agricultural systems, and prepare a regional food dish to share with the class.

Typically offered in Fall & Spring.

GEO 213. GIS for the Social Sciences. 3 Credits.

A course in mapping in the political, economic, and social features of places and the analysis of those maps using the Arc View component of ESRI's ARC GIS. Introductory course but with hands-on technology experience; suitable for majors in political science, social work, economics, and other social science disciplines.

Typically offered in Spring.

GEO 214. Introduction to Planning. 3 Credits.

The methods of analyzing problems of urban and regional planning. Emphasis is placed on systems of housing, recreation, transportation, industry, and commerce.

Gen Ed Attribute: Behavioral and Social Science Distributive.
Distance education offering may be available.
Typically offered in Fall.

GEO 215. GIS for Criminal Justice Careers. 3 Credits.

A course in crime mapping and the analysis of maps of crime patterns, police services, locations of criminal incidents, offenders' geographical behaviors, and spatial trends in crime. Typically offered in Fall & Spring.

Cross listed courses GEO 215, CRJ 215.

GEO 225. Introduction to Maps and Remote Sensing. 3 Credits.

Introduction to mapping and remote sensing. Thorough exposure to grid coordinate systems, representative fractions/scale, map projections, and mapping systems. Also, aerial photographs, digital orthophotos, satellite images, and computers as tools.

Typically offered in Fall.

GEO 230. Environmental Conservation and Sustainability. 3 Credits.

An inquiry into the problems of resources protection, management and sustainability. Emphasis is placed on the United States.

Gen Ed Attribute: Behavioral and Social Science Distributive.
Typically offered in Fall & Spring.

GEO 301. Geography of United States and Canada. 3 Credits.

An examination of the complexity and diversity of the physical and human landscapes of the U.S. and Canada. Both rural and urban geography are studied with an emphasis on recent geographic changes of influence: such as the shift from an emphasis on production to one on service and consumption, the growing importance of cities, and increasing racial and ethnic diversity.

Typically offered in Fall.

GEO 302. Geography of Latin America. 3 Credits.

Central and South America are studied with emphasis on geographic understanding of the major sources of change in recent times. The course focuses on selected individual countries in addition to presentation of the region as a whole.

Gen Ed Attribute: Foreign Language Culture Cluster, Spanish Culture Cluster.
Typically offered in Fall & Spring.

GEO 303. Geography of Europe. 3 Credits.

A survey course focusing on the regional geography of Europe. The course includes and examination of the physical environment, cultural traditions, lifestyles, economies, urban environment and political change throughout the region.

Gen Ed Attribute: Foreign Language Culture Cluster, France & Francophone Area Culture Cluster, Germany Culture Cluster, Italy (Italian) Culture Cluster.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

GEO 304. Geography of Asia. 3 Credits.

This course is a survey course focusing on the geography of Asia. This course utilizes a systematic approach to understanding Asia’s geography and includes an examination of the physical environment, the cultural traditions, lifestyles, economies, development, and urban environment throughout the Asia region. The course focuses on the regions of South, Central, East, and Southeast Asia. Russia and the eastern countries of the former Soviet Union are also covered.

Gen Ed Attribute: Foreign Language Culture Cluster, Russia & Eastern Europe Culture Cluster.
Typically offered in Spring & Summer.

GEO 310. Population Geography. 3 Credits.

An introduction to theories, concepts, processes and geographical patterns of human population.

Gen Ed Attribute: Writing Emphasis.
Typically offered in Spring.

GEO 312. Urban Geography. 3 Credits.

Analysis of patterns, processes, and consequences of urban growth and development. Theory of systems, size, spacing, and functions of cities. Students will conduct outside analysis using real data.

Gen Ed Attribute: Diversity Requirement.
Typically offered in Fall, Spring & Summer.

GEO 316. Planning for Resilient Communities and Natural Disasters. 3 Credits.

This course provides students with the capacity to develop planning and public service skills to understand, diagnose and address causes, consequences, and mitigation and adaptation measures for a wide variety of emergencies and disasters. These events include natural hazards (such as earthquakes, volcanic eruptions, tsunamis, hurricanes, floods, and temperature extremes), accidents, terrorism and other extreme events such as climate change and environmental catastrophes that are both rapid and slow moving with often devastating impacts on social structures and the built and natural environments.

Typically offered in Fall.

GEO 318. Economic Geography. 3 Credits.

This course is concerned with the spatial patterns of economic activities, including production, consumption, and settlement. It provides an understanding of their location and the processes of change. The course is international in scope, with an emphasis on the global economy.

Typically offered in Fall.
GEO 324. Intro to Geographic Information Systems. 3 Credits.
Data sources and analysis techniques used in the planning process, with emphasis on appropriate applications. Students receive considerable experience in using geographic information systems technology to solve real-world problems.
Typically offered in Fall, Spring & Summer.

GEO 325. Intro Business GIS. 3 Credits.
This course provides a conceptual overview of geographical information systems as well as hands-on experience of software systems used in developing business management and marketing strategies. Attention is focused on using GIS technology as an analysis tool to improve decision making. Designed primarily for marketing majors.
Typically offered in Fall, Spring & Summer.

GEO 326. Geographical Analysis. 3 Credits.
Applications of basic statistical techniques to problems of spatial significance, emphasizing the adaptation of technique to problem, and the understanding and interpretation of specific analytical methods as applied to real-world situations.
Pre / Co requisites: GEO 326 requires prerequisites of MAT 103 or MAT 115 or MAT 113 or MAT 143 or MAT 121 or MAT 161 or MAT 131 or MAT 199.
Typically offered in Spring.

GEO 328. Computer Cartography. 3 Credits.
This course provides an overview of a variety of computer mapping programs and hands-on experience utilizing those programs. The course is structured to develop design skills related to the effective creation of maps. Graphic techniques are emphasized that relate to the effective display and communication of spatial phenomena.
Typically offered in Spring.

GEO 331. Transportation Planning. 3 Credits.
Important issues, descriptive and analytical, facing urban and suburban transportation are studied. Employment of the planning process emphasizes use of analytical tools.
Typically offered in Spring.

GEO 332. Environmental Crises. 3 Credits.
The nature and dimensions of environmental problems with an emphasis on endangered life-support systems. Aspects of natural and social environment systems and their mutual interrelationships.
Typically offered in Spring.

GEO 334. Sustainable Living. 3 Credits.
Practical solutions and innovative thinking in how students can adopt a more sustainable lifestyle personally and professionally. Three interconnected objectives of sustainability-economic vitality, environmental integrity, and social equity—will serve as core themes in the course.
Distance education offering may be available.
Typically offered in Summer.

GEO 336. Environmental Planning. 3 Credits.
Introduction to the concepts and tools of environmental planning which include landscape form and function in planning. Applications to local and regional issues are stressed.
Typically offered in Fall.

This course reviews principles of cartography and GIS in terms of environmental applications. Using ESRI’s and ArcGIS software, students will add environmental, political, economic, and other types of data to computerized maps to explore environmental analysis. These data will then be spatially examined and manipulated to review the process of mapmaking and decision-making.
Typically offered in Fall & Summer.

GEO 341. Landscape Analysis. 3 Credits.
The study of contemporary geographical patterns of plants and animals, and the overall processes which influence landscape development and characteristics, such as climatic and geomorphic events, and anthropogenic activities.
Typically offered in Spring.

GEO 352. Geopolitics. 3 Credits.
A study of the casual relations between geographical phenomena and political or military power.
Typically offered in Spring.

GEO 354. Geography and Planning of Housing. 3 Credits.
This course provides an overview of the spatial, economic, social, physical, and political forces that structure and affect current housing conditions and prospects. This course introduces key concepts and institutions that influence the production, distribution, maintenance and location of housing. The Philadelphia metropolitan area is emphasized as a case study for understanding the implications of present housing policies and plans.
Typically offered in Fall.

GEO 400. Senior Seminar In Geography. 3 Credits.
The study of historical and contemporary trends in geography; the design, preparation, and defense of a research proposal.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall.

GEO 401. Internet Mapping. 3 Credits.
This course reviews principles and applications of cartography and geographic information systems (GIS) in terms of internet and mobile mapping technologies. Web-distributed maps, internet map services, navigation/Global Positioning Systems (GPS) and cell phone based applications are examined through the use of ArcGIS Internet map server, Google Earth, Google APIs and cell phone applications.
Pre / Co requisites: GEO 401 requires prerequisite of GEO 225.
Typically offered in Fall & Summer.

GEO 402. Topical Seminar. 3 Credits.
Intensive examination of a selected area of study in the field of geography. Topics will be announced at the time of offering. Course may be taken more than once when different topics are presented.
Typically offered in Fall & Spring.
Repeatable for Credit.

GEO 403. Planning and Design. 3 Credits.
Selected experiences designed to assist the student (either as an individual or as a member of a group) in developing proficiency in information-providing techniques.
Typically offered in Spring.
Cross listed courses PLN 403, GEO 403.

GEO 404. Senior Project in Geography. 3 Credits.
The execution of the research proposal (designed in GEO 400) as an acceptable departmental senior research paper.
Pre / Co requisites: GEO 404 requires prerequisite of GEO 400.
Typically offered in Spring.

GEO 410. Independent Study in Geography. 3 Credits.
Research projects, reports, and readings in geography.
Consent: Permission of the Department required to add.
Typically offered in Summer.
Repeatable for Credit.

GEO 412. GIS Applications in Health. 3 Credits.
LEC (0), LAB (0)
This is an applied course covering the theory and applications of geographic information systems (GIS) for public health. The course includes an overview of the principles of GIS in public health and practical experience in its use. The practical component involves the use of desktop GIS software packages including ArcGIS.
Pre / Co requisites: GEO 412 requires a prerequisite of GEO 324.
Typically offered in Fall.

GEO 415. Internship in Geography and Planning. 1-12 Credits.
Practical job experience in applying geographic theory, executing substantive research, and engaging in community service in selected off-campus situations. Open only to upper-division B.A. majors and minors in geography/planning with permission of department chairperson.
Typically offered in Fall, Spring & Summer.
Repeatable for Credit.

GEO 424. Geographic Information Systems Application. 3 Credits.
A course to advance the student’s knowledge of the design and implementation of geographic information systems.
Pre / Co requisites: GEO 424 requires prerequisite of GEO 324.
Typically offered in Spring.
GEO 425. Business GIS Applications. 3 Credits.
Intensive use of Geographical Information Systems (GIS) in the business environment to aid in better sales and marketing decisions. Course provides a conceptual overview of database management systems from MIS to geodatabases and their integration with a GIS. Case studies draw numerous examples from various businesses. Student tutorials provide hands-on opportunities for students to experience and learn how to use GIS within a business problem-solving framework.
Pre / Co requisites: GEO 425 requires prerequisite of GEO 325.
Typically offered in Fall & Spring.

GEO 427. Geodatabase System. 3 Credits.
The course teaches students the concepts and design of geographic database systems in the process of geographic analysis.
Typically offered in Spring.

PLN

PLN 301. Planning History, Theory, and Ethics. 3 Credits.
This course examines current planning theories and approaches. The course examines the role of planning within a democratic society, how planning influences society and society values, new directions in the field, and the relationship between planning theory and planning practice, with special focus on planning ethics, professional standards and conduct.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Spring.

PLN 302. Community Engagement Techniques. 3 Credits.
This course focuses on qualitative methods and citizen engagement techniques for planning practice. Discussion centers on citizen participation, social justice, governance and working with under-represented populations. The course includes how to conduct a community survey, structure a public meeting, conduct a focus group, and other methods planners use to bring meaningful citizen participation into community decision-making.
Typically offered in Spring.

PLN 320. Land Use Planning. 3 Credits.
An inquiry into the development of comprehensive land use studies by governmental and private agencies, emphasizing the development of skills in problem identification and resolution.
Pre / Co requisites: PLN 320 requires a prerequisite of GEO 214.
Typically offered in Fall.

PLN 322. Land Development Controls. 3 Credits.
An insight into the 'why' and 'how' of land development, emphasizing the role of local government in zoning, subdivision regulation, and other land regulations.
Pre / Co requisites: PLN 322 requires prerequisite of GEO 214.
Typically offered in Spring.

PLN 403. Planning Design (Studio A). 3 Credits.
Selected experiences designed to assist the student (either as an individual or as a member of a group) in developing proficiency in information-providing techniques.
Pre / Co requisites: PLN 403 requires prerequisite of GEO 214.
Typically offered in Fall.
Cross listed courses PLN 403, GEO 403.

PLN 405. Planning Design (Studio B). 3 Credits.
Selected experiences designed to assist the student (either as an individual or as a member of a group) in developing proficiency in site planning and urban design techniques.
Pre / Co requisites: PLN 405 requires prerequisite of GEO 214.
Typically offered in Spring.

B.A. IN GEOGRAPHY

College of Business and Public Management

Curriculum

The Bachelor of Arts in Geography offers a choice of five emphases (called "tracks"): traditional geography (cultural, environmental, and economic geography including an international perspective), geographic information systems (GIS), urban/regional planning, environmental geography, and elective social studies teacher certification. The geographic information systems and urban/regional planning areas emphasize specialized skill development. Internships are available and are recommended for qualified students.

Geography majors must take GEO 101 or GEO 103 and achieve a grade of 2.0 or better. They also must pass WRT 120 and WRT 200 (or equivalent) with a grade of 2.0 or better.

Courses (taken under advisement) that are specifically related to identified career aspirations, and chosen outside general requirements, or geography core:

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)
- English Composition requirement
  - 6 Credits
- Mathematics requirement
  - 3 Credits
- Public Speaking requirement
  - 3 Credits
- Science requirements
  - 6 Credits
- Behavioral & Social Science requirements
  - 6 Credits
- Humanities requirements
  - 6 Credits
- Arts requirement
  - 3 Credits
- Diverse Communities requirement
  - 3 Credits
- Interdisciplinary requirement
  - 3 Credits
- Student Electives
  - 9 Credits
- Writing Emphasis requirements
  - 9 Credits

Language & Culture Requirement
Demonstrating language proficiency through the intermediate level (202) or demonstrating language proficiency through the elementary II (102) level of a language and further acquiring a cultural foundation.

Additional geography or social/behavioral science courses
Select 9 semester hours

Major Requirements
GEO 102
- Physical Geography
  - 3 Credits
GEO 225
- Introduction to Maps and Remote Sensing
  - 3 Credits
GEO 310
- Population Geography
  - 3 Credits
GEO 326
- Geographical Analysis
  - 3 Credits
GEO 400
- Senior Seminar in Geography
  - 3 Credits
GEO 404
- Senior Project in Geography
  - 3 Credits

Track Requirements
Select one of the following tracks:

Geography Track
Select five courses from specified groups 1

Urban/Regional Planning Track
Select one of the following:

Geographic Information Systems Track
Select two courses from specified lists of courses 1

Environmental Geography Track
Select three courses from specified lists of courses 1

Elective Social Studies Teacher Certification Track
See program page for specific Certification requirements.

Related/Cognate Requirements
Courses (taken under advisement) that are specifically related to identified career aspirations, and chosen outside general requirements, or geography core: 15

Required of all majors:
- ENG 368 Business and Organizational Writing
- or ENG 371 Technical Writing

Required for urban/regional planning track: four courses selected under advisement

Required of geographic information systems track: four courses selected under advisement

Required of environmental geographic track: four courses selected under advisement

Student Electives
Select 3-15 semester hours

Total Minimum Credits Required 120

Accelerated B.A. in Geography to M.S. in Geography Program

Any Geography major with junior-standing in the Environmental, GIS, or Geography track, with a 3.0 cumulative GPA or higher may substitute up to 12 graduate credits to satisfy the B.A. program.

Elective Courses
Select from the courses below:
- GEO 502 Topical Seminar in Geography 3
- GEO 505 Planning Design 3
- GEO 506 Seminar in Physical Geography 3
- GEO 507 Internet Applications of Geographic Information Systems 3
- GEO 521 Suburbanization and Land Development 3
- GEO 524 Population Processes 3
- GEO 525 Urban and Regional Planning 3
- GEO 526 Metropolitan Systems and Problems 3
- PLN 527 Planning Law and Organization 3
- GEO 531 Transportation Planning 3
- PLN 536 Environmental Planning 3
- GEO 538 Environmental Modeling with Geographic Information Systems 3
- GEO 554 Geography and Planning of Housing 3
- GEO 577 Geodatabases 3

Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

Recommended Course Sequence- BA Geography:

General Track

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<td><strong>Semester Two</strong></td>
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Credits 15

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Credits 15

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Credits 15
### Recommended Course Sequence - BA Geography: GIS Track

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<td>SPK 208</td>
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<td>GEO 225</td>
<td>Introduction to Maps and Remote Sensing</td>
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<td>WRT 200</td>
<td>Critical Writing and Research</td>
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| **Semester Six** |                                           |         |
| GEO 310  | Population Geography                       | 3       |
| GEO 326  | Geographical Analysis                      | 3       |
| ENG 368  | Business and Organizational Writing or Technical Writing |   | 3 |
| GEO 424  | Geographic Information Systems Application | 3       |
| General Education Course |                              | 3       |
| Credits   |                                            | 15      |

### Recommended Course Sequence - BA Geography: Environmental Track

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<td><strong>Semester Seven</strong></td>
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<td>GEO 400</td>
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<td><strong>Semester Five</strong></td>
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<tr>
<td>GEO 230</td>
<td>Environmental Conservation and Sustainability or Environmental Crises</td>
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<td>GEO 332</td>
<td>or Environmental Crises</td>
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<tr>
<td>GEO 324</td>
<td>Intro to Geographic Information Systems</td>
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</table>
# B.S. in Urban and Environmental Planning

**General Education Course**  
Cognate Course  
Culture Cluster  
Credits  

**Semester Six**  
GEO 310 Population Geography  
GEO 326 Geographical Analysis  
ENG 368 Business and Organizational Writing  
ENG 371 or Geography Elective  
General Education Course  
Credits  

**Year Four**  
**Semester Seven**  
GEO 400 Senior Seminar In Geography  
Geography Elective  
General Education Course  
Credits  

**Semester Eight**  
GEO 404 Senior Project in Geography  
Geography Elective  
Geography Elective  
General Education Course  
Credits  

**Year Three**  
**Semester Five**  
PLN 320 Land Use Planning  
GEO 324 Intro to Geographic Information Systems  
General Education Course  
Cognate Course  
Culture Cluster  
Credits  

**Year Four**  
**Semester Seven**  
GEO 400 Senior Seminar In Geography  
Geography Elective  
General Education Course  
Credits  

**Semester Eight**  
GEO 404 Senior Project in Geography  
Geography Elective  
Geography Elective  
General Education Course  
Credits  

**Total Credits** 120

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**Recommended Course Sequence - BA Geography: Planning Track**

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<td>GEO 102</td>
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<td>WRT 120</td>
<td>Effective Writing I</td>
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<td>GEO 101</td>
<td>World Geography</td>
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</tr>
<tr>
<td><strong>Credits</strong></td>
<td></td>
<td>15</td>
</tr>
<tr>
<td><strong>Year Two</strong></td>
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</tr>
<tr>
<td><strong>Semester Three</strong></td>
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</tr>
<tr>
<td>GEO 225</td>
<td>Introduction to Maps and Remote Sensing</td>
<td>3</td>
</tr>
<tr>
<td>GEO 214</td>
<td>Introduction to Planning</td>
<td>3</td>
</tr>
<tr>
<td>WRT 200</td>
<td>Critical Writing and Research</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language (210) or Culture Cluster</td>
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<td>3</td>
</tr>
</tbody>
</table>

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**B.S. in Urban and Environmental Planning**

**College of Business and Public Management**

**Curriculum**

**General Education Requirements**  
- English Composition Requirements (3 credits)  
- Mathematics (3 credits)  
- Public Speaking (3 credits)  
- Diverse Communities Requirement (3 credits)  
- Interdisciplinary Requirement (3 credits)  
- Science Requirements (6 credits)
### MINOR IN GEOGRAPHY & PLANNING

#### Behavioral and Social Science Requirements
- 6 credits

#### Humanities Requirements
- 6 credits

#### Arts Requirement
- 3 credits

#### Major Requirements
- 42 credits

**Planning Core**
- GEO 102: Physical Geography (3)
- GEO 214: Introduction to Planning (3)
- GEO 225: Introduction to Maps and Remote Sensing (3)
- GEO 230: Environmental Conservation and Sustainability (3)
- PLN 301: Planning History, Theory, and Ethics (3)
- PLN 302: Community Engagement Techniques (3)
- GEO 310: Population Geography (3)
- PLN 320: Land Use Planning (3)
- PLN 322: Land Development Controls (3)
- GEO 324: Intro to Geographic Information Systems (3)
- GEO 326: Geographical Analysis (3)
- GEO 328: Computer Cartography (3)
- GEO 403: Planning and Design (3)
- PLN 405: Planning Design (Studio B) (3)

**Additional Planning Electives**
- 15 credits

Choose from the following (or other courses from GEO or other departments as approved by an adviser):

- GEO 200: Global Cities (3)
- GEO 312: Urban Geography (3)
- GEO 316: Planning for Resilient Communities and Natural Disasters (3)
- GEO 318: Economic Geography (3)
- GEO 331: Transportation Planning (3)
- GEO 336: Environmental Planning (3)
- GEO 354: Geography and Planning of Housing (3)
- GEO 401: Internet Mapping (3)
- GEO 415: Internship in Geography and Planning (1-12)
- GEO 424: Geographic Information Systems Application (3)
- GEO 427: Geodatabase System (3)

**Related/Cognate Requirements**
- 12 credits

Select additional PLN, GEO or other courses as approved by the student’s adviser or to satisfy a minor.

**Additional Requirements**

- ENG 368: Business and Organizational Writing (3)
- or ENG 371: Technical Writing (3)

**Free Electives**
- 9 credits

**Total minimum credits required**
- 120 credits

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### Accelerated B.S. in Urban and Environmental Planning to Master of Urban and Regional Planning Program

Any B.S. Urban and Environmental Planning major with junior-standing and with a 3.0 cumulative GPA or higher, may substitute up to 12 graduate credits to satisfy program electives, cognates, or free electives.

**Elective Courses**
- 12 credits

Select from the courses below:

- GEO 502: Topical Seminar in Geography
- PLN 505: Planning Design (Studio A)
- GEO 506: Seminar in Physical Geography
- GEO 507: Internet Applications of Geographic Information Systems
- GEO 521: Suburbanization and Land Development
- GEO 524: Population Processes
- PLN 525: Planning History, Theory and Ethics
- GEO 526: Metropolitan Systems and Problems
- GEO 531: Transportation Planning
- PLN 527: Planning Law and Organization
- PLN 536: Environmental Planning
- GEO 538: Environmental Modeling with Geographic Information Systems
- GEO 554: Geography and Planning of Housing
- GEO 577: Geodatabases
- PLN 605: Planning Design (Studio B)

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### Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

### MINOR IN GEOGRAPHY & PLANNING

#### College of Business and Public Management

This minor provides a flexible geography focus that combines well with other majors. Clusters of courses may involve environmental geography, spatial technology, international courses, or courses especially suitable as preparation for social studies education, for example.

Additionally, a cluster of courses in planning allows students from other majors to acquire geography and planning skills and to expand their career possibilities to include such areas as land planning and management, conservation of resources, location of commerce and industry, and county or other local government services.

**Required Courses**
- 3 credits

Select one of the following:

- GEO 101: World Geography
- GEO 103: Human Geography

**Elective Courses**
- 15 credits

Select 5 courses in consultation with an advisor.

**Total Minimum Credits Required**
- 18 credits

1. No more than 6 credits of coursework for the minor may be at the 100-level.
MINOR IN BUSINESS GEOGRAPHIC INFORMATION SYSTEMS

The Minor in Business Geographics and Information Systems provides students with the spatial analysis skills applied to business-oriented data and questions. Course work focuses on developing expertise with Geographic Information Systems (GIS).

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>GEO 325</td>
<td>Intro Business GIS</td>
<td>3</td>
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<tr>
<td>GEO 425</td>
<td>Business GIS Applications</td>
<td>3</td>
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Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 251</td>
<td>Business Analytics I</td>
<td>3</td>
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<tr>
<td>GEO 326</td>
<td>Geographical Analysis</td>
<td></td>
</tr>
<tr>
<td>MAT 121</td>
<td>Introduction to Statistics I</td>
<td></td>
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</tbody>
</table>

Elective Courses

Select 9 semester hours under advisement from the department.

Total Credits 18

1 Usually recommended courses include GEO 318, GEO 324, GEO 328, GEO 415, GEO 424, GEO 427, MGT 341, MGT 486; MIS 300, MIS 301; MKT 461

DEPARTMENT OF HEALTH

The Department of Health offers four programs leading to a Bachelor of Science degree.

- **The B.S. in Public Health** prepares students for a career as a public health practitioner in hospitals, health departments, health agencies, and industry. The program provides a comprehensive basic science background, as well as a strong public health foundation.

- **The B.S. in Environmental Health** prepares students for careers as environmental scientists in industry, consulting firms, government, hospitals, and academia. The program synthesizes a general scientific preparation with specialized applied courses in a wide range of environmental health science disciplines, such as industrial hygiene, toxicology, risk assessment, water quality, solid & hazardous waste management, and stormwater management. This program is accredited by the National Environmental Health Science and Protection Accreditation Council (EHAC).

- **The B.S. in Health Science - General** is for students who have completed a certificate, license, diploma, or associate’s degree program in such health science areas as dental hygiene, respiratory therapy, occupational therapy, medical technology, alternative/complementary medicine, and cardiovascular technology. The program gives professionals the chance to build on their technical education already received and to develop academic competency in a related field. General education requirements and health courses are needed for completion of the B.S. in Health Science.

  - Students who are interested in athletic training will complete a 3+2 accelerated program earning both a B.S. in Health Science: General - Sports Medicine Studies Concentration and an M.S. in Athletic Training. Interested students should contact Dr. Neil Curtis at (610) 436-2119 or via e-mail at ncurtis@wcupa.edu.

- **The B.S. in Respiratory Care** is offered in association with Bryn Mawr Hospital. Graduation from the program satisfies the entrance requirement for the Written Registry Examination and the Clinical Simulation Examination given by the National Board for Respiratory Care. Successful completion of these examinations qualifies the candidate as a registered respiratory therapist. Most respiratory therapists are employed by hospitals and home health agencies.

  - The **Minor in Health Sciences** is designed to provide you with focused coursework and learning experiences to complement your major program and enhance your post-graduate career options.

  - The **Minor in Contemplative Studies** is designed to provide you with focused coursework and learning experiences to complement your major program and enhance your post-graduate career options.

  - The **Minor in Environmental Health** is designed to provide you with focused coursework and learning experiences to complement your major program and enhance your post-graduate career options.

Programs

**Majors in Health**

- B.S. in Public Health (p. 299)
- B.S. in Environmental Health (p. 301)
- B.S. in Health Science: General (p. 301)
- B.S. in Health Science: General - Sports Medicine Studies Concentration (p. 302)
- B.S in Health Science: General - Sports Medicine Studies Concentration to M.S. in Athletic Training Accelerated Program (p. 302)
- B.S. in Health Science: Respiratory Care (p. 303)

**Minors in Health**

- Contemplative Studies (p. 304)
- Environmental Health (p. 305)
- Health Sciences (p. 305)

**Graduate Opportunities**

See the graduate catalog for more information on the Health Science programs. (http://catalog.wcupa.edu/graduate/health-sciences/health)

**Policies**

- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

**Academic Policies**

1. Repeating courses

   - Department of Health majors who earn less than a C (2.0) in selected program requirements may be required to repeat such courses. Students should discuss these requirements with their advisors.

2. Overall GPAs for internships and field experiences

   - A minimum 2.5 cumulative GPA is required of environmental health majors for internships or field experience assignments.

   - A minimum 2.5 cumulative GPA is required for public health majors for internships.

**Accelerated Program Policy**

Refer to the Accelerated Programs page (p. 129) for more information.
B.S. in Public Health Minimum Grade Requirement for MAT 121

Students in the B.S. in Public Health program must complete MAT 121 or equivalent with a grade of C or higher.

Faculty

Professors

Debra Bill (dbill@wcupa.edu) (1998)
B.A., Central Connecticut State University; M.P.H., University of North Carolina; Ph.D., Temple University

James W. Brenner (jbre@wcupa.edu) (2004)
Chairperson, Health
B.S., West Chester University; M.Ed., College of New Jersey; Ph.D., Temple University

Lynn Carson (lcarson@wcupa.edu) (1991)
Graduate Coordinator, Health
B.A., Neumann College; M.S., St. Joseph’s University; Ph.D., Temple University

Gopal Sankaran (gsankan@wcupa.edu) (1989)
B.S., M.B., Maulanaazad Medical College (India); M.D., All India Institute of Medical Sciences; M.P.H., Dr.P.H., University of California, Berkeley

Charles V. Shorten (cshorten@wcupa.edu) (1989)
B.S., M.S., Virginia Polytechnic Institute and State University; Ph.D., Clemson University

Associate Professors

Sharon Bernecki Dejoy (sdejoy@wcupa.edu) (2012)
A.S., Miami-Dade College; B.A., Columbia University; M.P.H., Ph.D., University of South Florida

Donald McCown (dmcown@wcupa.edu) (2011)
B.A., Eastern University; M.S.S., Bryn Mawr College; Ph.D. Tilburg University

Ramona E. Stone (rstone@wcupa.edu) (2017)
B.A., Babes-Bolyai University; M.S., Technical University of Cluj; Ph.D., University of Louisville; M.P.H., Harvard School of Public Health

Christine Williams (cwilliams3@wcupa.edu) (2009)
B.S., M.S., University of Delaware; Ph.D., Middle Tennessee State University

Assistant Professors

Lorenzo Cena (lcena@wcupa.edu) (2016)
B.S., Brigham Young University; M.S., Iowa State University; Ph.D., University of Iowa

Harry Holt (hholt@wcupa.edu) (2016)
B.S., Economics/Pre-Law/Political Science, Indiana University; Juris Doctorate, MBA Case Western University; Ph.D. Health Policy and Administration, The Pennsylvania State University

Whitney Katirai (wkati@wcupa.edu) (2016)
B.A., University of Louisville; M.P.H., Ed.D., University of Kentucky

Michael Markowski (mmarkowski@wcupa.edu) (2017)
A.B., Kings College; M.A., George Mason University; Ph.D., The Pennsylvania State University

Neha Sunger (nsunger@wcupa.edu) (2014)
M.S. Indian Institute of Technology- Kanpur; Ph.D. Drexel University

Chiwoneso Tinago (ctinago@wcupa.edu) (2016)
B.S., William Carey University; M.P.H., University of Southern Mississippi; Ph.D., University of South Carolina

Courses

ENV

ENV 102. Humans and the Environment. 3 Credits.
A study of the ability of humans to survive and maintain their life quality considering the limited resources and recycling capacity of planet Earth. Note: Only one of the following courses can be completed for credit: SCB 102, ENV 102, or ESS 102.

ENV 199. Transfer Credits. 1-10 Credits.
Transfer Credits. Repeatable for Credit.

ENV 230. Hazardous Waste Operations and Emergency Response. 3 Credits.
Provides students with the training required by the Occupational Safety and Health Administration and the Environmental Protection Agency to work sites where hazardous wastes and/or materials may be stored, spilled, transported or used.

ENV 353. Environmental Health Workshop. 1-6 Credits.
Special workshops on contemporary environmental health issues. Topics announced at time of offering.

ENV 445. Risk Assessment. 3 Credits.
An examination of human health and ecological risk assessment with emphasis on exposure estimation.

ENV 447. Environmental Regulations. 3 Credits.
Prepares students for working with federal and Pennsylvania environmental regulations. Emphasizes use and development of Internet regulatory resources. Specific discussions and exercises related to various regulatory agencies are included.

ENV 450. Hazardous and Solid Waste. 3 Credits.
Sources, characteristics, and amounts of solid and hazardous wastes and their implications for human health. Methods of collection, handling, disposal, and recycling.

ENV 451. Environmental Toxicology. 3 Credits.
An investigation of the health problems caused by toxic substances in the workplace and in the general environment.

ENV 452. Industrial Hygiene I. 3 Credits.
This course is an investigation of the anticipation, recognition, evaluation and control of airborne and dermal health hazards in the workplace. Hazard communication and regulatory compliance are also addressed.

ENV 453. Occupational Safety. 3 Credits.
A study of the recognition, evaluation, and control of safety hazards in the work environment.

Typically offered in Spring.
EN 455. Environmental Health Seminar. 3 Credits.
In-depth investigation and discussions on topics of particular concern or significance to the environmental health field. Topics will be varied from year to year. 
Pre / Co requisites: EN 455 requires prerequisite: Senior Environmental Health majors only. 
Gen Ed Attribute: Writing Emphasis. Typically offered in Fall.

EN 456. Environmental Health Internship. 3-12 Credits.
Field placement with an environmental health department in an industry, consulting firm, or government agency.
Pre / Co requisites: EN 456 requires prerequisites of a minimum cumulative GPA of 2.50 and senior level Environmental Health major.
Typically offered in Fall, Spring & Summer. Repeatable for Credit.

EN 460. Industrial Hygiene II. 3 Credits.
This course is an investigation of the anticipation, recognition, evaluation and control of ergonomic problems, noise, thermal stress, and radiation in the workplace. Worker training strategies related to occupational health and safety are also addressed.
Pre / Co requisites: EN 460 requires prerequisite of ENV 102.
Typically offered in Spring.

EN 462. Water Quality and Health. 3 Credits.
An examination of the quality and quantity requirements of surface and subsurface water resources used for drinking water supplies. Laboratory included.
Pre / Co requisites: EN 462 requires prerequisite of ENV 102.
Typically offered in Summer.

EN 470. Emergency Preparedness. 3 Credits.
This course addresses emergency preparedness for schools, businesses, communities, and counties. Types of emergencies considered include natural disasters, failures of technology (spills, accidents and explosions) and acts of war or terrorism.

EN 475. Bioterrorism, Bio-Crises, & Public Health. 3 Credits.
This course addresses the protection of the public’s health and the health of workers such as first responders from biological agents that cause disease and/or death. Communication and coping strategies, group interaction, case studies, and the use of Internet resources will be integrated with response strategies, measurement techniques, personal protection and decontamination procedures.

HEA
HEA 100. Dimensions of Wellness. 3 Credits.
Fundamental concepts of health and wellness exploring several health-related areas with an opportunity for personal lifestyle change conducive to better health.
Distance education offering may be available. Typically offered in Fall, Spring & Summer.

HEA 101. Principles of Health Education. 3 Credits.
The purpose of this course is to introduce the core concepts of health education for students K-12. This course is designed to increase the student’s knowledge about high-risk health behaviors that impact learning and academic success. In addition, students will develop school community resources and prevention strategies designed to reduce risky behaviors among adolescent youth.
Pre / Co requisites: HEA 101 requires prerequisite of field clearances. Typically offered in Spring.

HEA 103. Drugs and Society. 3 Credits.
Provide knowledge regarding the use and abuse of substances in our society and the impact on the individual, family, and community. Teaching strategies also will be incorporated.
Typically offered in Fall, Spring & Summer.

HEA 104. Human Sexuality. 3 Credits.
Study of sexuality as it relates to self; the interrelationships with people.
Typically offered in Fall, Spring & Summer.

HEA 106. Death and Dying. 3 Credits.
Current controversial issues concerning death and dying. How involved persons cope with death.
Typically offered in Fall & Spring.

HEA 109. Health Issues of Women. 3 Credits.
The needs and concerns of women as consumers in our present health care system. Various biological, psychological, and social topics will be discussed.
Gen Ed Attribute: Diversity Requirement. Typically offered in Fall & Spring.

HEA 110. Transcultural Health: Principles and Practice. 3 Credits.
This course examines the health beliefs and practices of a variety of subcultural groups in the United States. Emphasis is placed on the application of transcultural health beliefs and practices. It utilizes the cross-cultural approach in meeting the health needs of clients and families. It is open to all University students, regardless of major.
Gen Ed Attribute: Diversity Requirement. Typically offered in Fall, Spring & Summer.

HEA 206. Human Development. 3 Credits.
A lifespan approach to the study of human development in the physical, cognitive, and psychosocial domains.
Distance education offering may be available. Typically offered in Fall, Spring & Summer.

HEA 208. Leadership/Lifeskills for Student Athletes. 3 Credits.
This course will enable students to have a better understanding of skills necessary for effective leadership. It is also designed to provide opportunities for first year student athletes to receive instruction in goal-setting, decision-making, academic planning, and exploration to promote a healthy lifestyle.
Typically offered in Fall & Spring.

HEA 210. Introduction to Allied Health. 3 Credits.
Study of Allied Health and the role Allied Health professionals play in the health care system. This course is open to non-Respiratory Care majors. Typically offered in Fall & Spring.

HEA 230. Health Issues of School-Aged Youth. 3 Credits.
This course investigates current health issues relevant to students K-12 such as drug, alcohol and tobacco use, diseases and mental emotional health.
Typically offered in Fall.

HEA 240. Foundations of Health Education. 3 Credits.
Introductory course for undergraduate students in health promotion/education. Primary emphasis on the philosophical, historical, and theoretical foundations of the profession.
Distance education offering may be available. Typically offered in Spring.

HEA 242. Introduction to Public and Community Health. 3 Credits.
This course is intended to provide the student with an overview of public and community health concepts in the United States.
Distance education offering may be available. Typically offered in Fall & Spring.

HEA 300. Profession/Ethics & Health Professions. 3 Credits.
This course examines ethical issues relevant to the professional roles of health professionals.
Students will examine ethical principles and apply a model of ethical decision making to case studies. Other areas addressed include professional codes of ethics, ethical concerns in health behavior change, health communications, and health education research.
Typically offered in Fall & Spring.

HEA 302. Health and Young Children. 3 Credits.
The purpose of this course is to investigate current health issues relevant to children in preschool environments and primary grades and identity educational strategies to increase health knowledge, foster positive health attitudes and promote healthy behaviors such as nutrition and physical activity.

HEA 304. Family Life and Sex Education. 3 Credits.
The purpose of this course is to prepare the health professional to develop and teach appropriate K-12 family life education curricula.
Typically offered in Fall.

HEA 306. Curriculum and Instruction. 3 Credits.
This course provides the knowledge and skills for the development, implementation, and evaluation of K-12 comprehensive school health curriculums.
Pre / Co requisites: HEA 306 requires a prerequisite of HEA 101.
Gen Ed Attribute: Writing Emphasis. Typically offered in Fall & Spring.
HEA 310. Love and Marriage. 3 Credits.
Defines love and marriage for the student and teaches the skills essential to fulfilling those needs.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

HEA 315. Mind, Body, and Health. 3 Credits.
Theories and practice of health and healing through the mind/body connection. Emphasis on learning/practicing techniques for health promotion.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

HEA 316. ATOD Prevention Education. 3 Credits.
This course is designed to provide health education students with the knowledge, attitudes, and skills for the development, implementation and evaluation of K - 12 Alcohol, Tobacco, and Other Drug (ATOD) prevention education instruction and curricula.
Pre / Co requisites: HEA 316 requires a prerequisite of HEA 101. For Health and Physical Education Majors only.
Typically offered in Spring.

HEA 320. Positive Aspects of Aging. 3 Credits.
Describes past, present, and projected information concerning the aging process in normal human development.
Typically offered in Fall & Spring.

HEA 325. Stress Management. 3 Credits.
Comprehensive survey of stress concepts, theories, and management techniques. Emphasis is placed on personal application.
Typically offered in Fall & Spring.

HEA 330. Health Behavior. 3 Credits.
Individual and group health behavior of children and adults at different levels of wellness and in various settings. Past and current theories of health behavior with methods of application by health professionals will be included.
Typically offered in Fall & Spring.

HEA 333. Alternative and Complementary Medicine. 3 Credits.
Exploration of alternative, complementary, and/or integrative medical systems and healing practices, such as homeopathy, Chinese medicine, herbal medicine, therapeutic touch, from a consumer and personal viewpoint.
Typically offered in Fall & Spring.

HEA 335. Botanical Medicines and Functional Foods. 3 Credits.
A comprehensive, evidence-based assessment of botanical medicines in health promotion, disease prevention and symptom management.

HEA 341. Chronic and Communicable Diseases. 3 Credits.
A study of the disease process, including causes, effects, and control of selected diseases with an emphasis on disease prevention and health promotion.
Typically offered in Fall & Spring.

HEA 342. Program Planning and Evaluation. 3 Credits.
Provides an in-depth study of the program planning process and evaluation methods. Needed skills are developed and experience given in writing programs from assessment through evaluation with both hypothetical and real populations.
Pre / Co requisites: HEA 342 requires prerequisites of HEA 240, HEA 242, HEA 341 and formal admission into teacher education.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Spring.

HEA 348. Population Health: Analysis, Surveillance, and Intervention. 3 Credits.
This course will introduce students to the concepts of population health, and the basic processes, approaches, and interventions that identify and address the major health-related needs and concerns of populations. Emphasis will be placed on the role of data in surveillance and analysis of health problems of populations, as well as in developing and implementing population-level interventions.
Pre / Co requisites: HEA 348 requires a prerequisite of HEA 242.
Typically offered in Fall & Spring.

HEA 370. Medical Terminology. 1 Credit.
An introduction to medical terminology using a programmed instruction, self-learning technique. Includes chart format, word parts, pulmonary terminology abbreviations, and an overview of respiratory anatomy. This course is open to non-Respiratory Care majors.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

HEA 371. Aspects of Respiratory Therapy I. 2 Credits.
A discussion of topics essential to the provision of comprehensive respiratory therapy. Topics include patient care, CPR, and psychosocial issues.
Typically offered in Fall.

HEA 372. Respiratory Anatomy and Physiology. 3 Credits.
An in-depth study of respiratory care modalities utilized in the maintenance of bronchopulmonary hygiene, including humidity and aerosol therapy, sustained maximal inspiration, IPPB therapy, chest physical therapy, and airway maintenance.
Typically offered in Fall.

HEA 373. Bronchopulmonary Hygiene. 3 Credits.
An in-depth study of respiratory care modalities utilized in the maintenance of bronchopulmonary hygiene, including humidity and aerosol therapy, sustained maximal inspiration, IPPB therapy, chest physical therapy, and airway maintenance.
Typically offered in Fall.

HEA 374. Oxygen Therapy. 2 Credits.
An overview of basic science relevant to respiratory therapy is followed by the study of the manufacture, storage, and transport of medical gases, regulators, and metering devices, oxygen therapy, and oxygen analysis.
Typically offered in Fall.

HEA 375. Cardiopulmonary Disease. 3 Credits.
A comprehensive study of cardiopulmonary diseases and treatment. Includes pulmonary diagnostic procedures.
Typically offered in Spring.

HEA 376. Aspects of Respiratory Therapy II. 2 Credits.
A continuation of HEA 253. Topics include rehabilitation, home care, administration and organization, respiratory pharmacology, and infection-control techniques.
Typically offered in Spring.

HEA 377. Pharmacology. 2 Credits.
An in-depth study of various drug categories including drug-dose response and principles of absorption, distribution, metabolism, and excretion.
Typically offered in Spring.

HEA 378. Respiratory Technology. 3 Credits.
Study of the equipment utilized in the delivery of respiratory care.
Typically offered in Spring.

HEA 379. Hemodynamics I. 3 Credits.
An in-depth study of monitoring and evaluation, techniques including modules on cardiopulmonary physiology, electrocardiographic monitoring, and hemodynamic monitoring. Interpretation and application data is emphasized. Appropriate lab experience is included.
Typically offered in Spring.

HEA 380. Clinical Practice I. 6 Credits.
An introduction to clinical respiratory care consisting of rotations through patient care areas followed by discussion of experiences and correlation to didactic work.
Typically offered in Summer.

HEA 410. Mental Health. 3 Credits.
Designed to aid persons in improving their understanding of themselves and others. Emphasis on ways to recognize mental health problems.
Typically offered in Fall & Spring.

HEA 418. Preparation for Internship and for Professional Practice Seminar. 3 Credits.
The purpose of this course is to prepare students for the public health internship experience and implementation of major project at the practice site. This preparation will include a comprehensive and integrated application of the BS-PH/HP curriculum in the development of the major project plan that will be completed during the HEA421 Public Health Internship.
Typically offered in Fall.
HEA 419. Research Methods in Health. 3 Credits.
This course will give students an introduction to research issues in the health professions. Students will gain an understanding of the reasons for research, designing research studies, research techniques, principles of instrumentation, data interpretation, and data presentation. Typically offered in Fall & Spring.

HEA 420. Health Marketing and Communications. 3 Credits.
The purpose of this course is to prepare students for work experiences as a health educator. Major emphasis will be placed on marketing and health communication strategies. Pre / Co requisites: HEA 420 requires prerequisites of HEA 342 and HEA 306. Gen Ed Attribute: Writing Emphasis. Typically offered in Fall.

HEA 421. Public Health Internship. 3-12 Credits.
A practical, full-time work experience in a hospital, public health agency, or company, jointly supervised by an on-site supervisor and a public health faculty member. Pre / Co requisites: HEA 421 requires prerequisites of HEA 420 and HEA 343 and HEA 419. Typically offered in Spring & Summer. Repeatable for Credit.

HEA 425. Independent Study. 1-3 Credits.
Contact department for more information about this course. Repeatable for Credit.

HEA 433. Preparation For Internship. 1 Credit.
Contact department for more information about this course.

HEA 434. Health Law, Economics, Ethics, and Policy. 3 Credits.
This course explores major topics in the study of public health care policy, law, economics, and ethics in the United States. We will discuss the role of health care policy and law in public health. We will define and apply ethical principles in health care policy and law. We will describe economic and financial considerations in public health policy. We will examine the aforementioned themes using a multidisciplinary approach that employs sociological, political, economic and ethical perspectives on health and disease and the health care system. Pre / Co requisites: HEA 434 requires prerequisites of HEA 242 and HEA 436. Gen Ed Attribute: Writing Emphasis. Typically offered in Fall & Spring.

HEA 435. Health Workshop. 1-6 Credits.
Special workshops on contemporary health problems and issues. Topics announced at time of offering. Typically offered in Spring & Summer. Repeatable for Credit.

HEA 436. Health Care Delivery - Trends; Challenges. 3 Credits.
This course will provide an overview of the organization and financing of the current U.S. health care system, the need for reform, and initiatives to meet the health needs of all Americans. Typically offered in Fall & Spring.

HEA 438. Understanding AIDS/HIV Infection. 3 Credits.
Students will learn basic information about the disease process, transmission and risk behaviors, treatment options, and legal and ethical issues surrounding HIV infection. Primary emphasis will address the impact of AIDS/HIV on those with the disease, as well as the psychosocial factors influencing partners, family members, and health care professionals. Societal responses to the AIDS/HIV epidemic also will be interwoven throughout the topics. Course format will include lecture and discussions, viewing of videos, interaction with guest speakers, and individual areas of interest. No prerequisites needed. Open to all majors. Typically offered in Fall.

HEA 440. School Health Programs. 3 Credits.
This course provides an overview of comprehensive school health programs. Specific focus is on program development, implementation, and evaluation. Pre / Co requisites: HEA 440 requires a prerequisite of HEA 101 for Health and Physical Education majors only. Gen Ed Attribute: Writing Emphasis. Typically offered in Fall.

HEA 445. Health Education Practicum. 3 Credits.
This course provides an overview of comprehensive school health programs. Specific focus is on program development, implementation, and evaluation. Pre / Co requisites: HEA 445 requires prerequisites of HEA 101, HEA 304, HEA 306, and HEA 316; formal admission to teacher education (FATE); and field clearances. Typically offered in Spring.

HEA 472. Mechanical Ventilation. 3 Credits.
A comprehensive study of mechanical ventilation, including the physiology of positive pressure breathing, techniques of ventilation, characteristics of commonly used ventilators, and monitoring of the ventilator-patient system. Gen Ed Attribute: Writing Emphasis. Typically offered in Fall.

HEA 473. Life Support Systems. 3 Credits.
An in-depth comprehensive study of mechanical ventilators and other life support systems. Typically offered in Fall.

HEA 474. Pulmonary Function Evaluation. 2 Credits.
A comprehensive study of various pulmonary function evaluation techniques. Includes bronchoscopy and arterial blood gas analysis. Typically offered in Fall.

HEA 475. Pediatric/Neonatal Respiratory Care. 2 Credits.
A comprehensive study of neonatal and pediatric respiratory care, including fetal lung development, pathophysiology of the neonate and pediatric patient, and related respiratory procedures. Typically offered in Fall.

HEA 476. Respiratory Care Clinical II. 2 Credits.
An advanced continuation of HEA 379 Hemodynamics I. The course will build upon the knowledge obtained in previous courses and provide experiences that will allow students to apply their knowledge in a clinical setting. Gen Ed Attribute: Writing Emphasis. Typically offered in Spring.

HEA 477. Hemodynamics II. 3 Credits.
A continuation of HEA 476. This course will continue to explore the basic principles of hemodynamics and their application to respiratory care. Gen Ed Attribute: Writing Emphasis. Typically offered in Fall.

HEA 478. Respiratory Therapy Seminar I. 3 Credits.
A comprehensive study of respiratory care techniques and procedures. This course will focus on the application of respiratory care techniques and procedures in a clinical setting. Gen Ed Attribute: Writing Emphasis. Typically offered in Spring.

HEA 479. Respiratory Care Clinical Practice III. 8 Credits.
Students will learn advanced clinical skills in respiratory care, including the use of mechanical ventilators, evaluation and management of respiratory care patients, and critical care procedures. Gen Ed Attribute: Writing Emphasis. Typically offered in Spring.

B.S. IN PUBLIC HEALTH

Curriculum

General Education Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPK 230</td>
<td>Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>MAT 121</td>
<td>Introduction to Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>MAT 122</td>
<td>Introduction to Statistics II</td>
<td>3</td>
</tr>
<tr>
<td>CHE 111A</td>
<td>General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHE 111B</td>
<td>General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHE 112A</td>
<td>General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHE 112B</td>
<td>General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>HUM 101</td>
<td>Introduction to Humanities</td>
<td>3</td>
</tr>
<tr>
<td>HUM 102</td>
<td>Introduction to Humanities</td>
<td>3</td>
</tr>
<tr>
<td>HUM 201</td>
<td>Introduction to Humanities</td>
<td>3</td>
</tr>
<tr>
<td>HUM 202</td>
<td>Introduction to Humanities</td>
<td>3</td>
</tr>
<tr>
<td>SCI 101</td>
<td>Introduction to Science</td>
<td>3</td>
</tr>
<tr>
<td>SCI 102</td>
<td>Introduction to Science</td>
<td>3</td>
</tr>
<tr>
<td>SCI 201</td>
<td>Introduction to Science</td>
<td>3</td>
</tr>
<tr>
<td>SCI 202</td>
<td>Introduction to Science</td>
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</table>

Science requirements

1 BIO and 1 CHE Gen Ed course
### Behavioral & Social Science requirements
- PHI 150 Critical Thinking and Problem Solving
- PHI 180 Introduction to Ethics

### Humanities requirements
- HEA 110 Transcultural Health: Principles and Practice

### Arts requirement
- Select one of the following:
  - CHE 100 Concepts of Chemistry
  - CHE 108 Concepts of Chemistry

### Diverse Communities requirement
- ENV 102 Humans and the Environment

### Interdisciplinary requirement
- Select one of the following:
  - CHE 100 Concepts of Chemistry
  - CHE 108 Concepts of Chemistry

### Writing Emphasis requirements
- Select one of the following:
  - CHE 100 Concepts of Chemistry
  - CHE 108 Concepts of Chemistry

### Electives
- Courses outside of public health selected under advisement. Students are encouraged to select minors or clusters of courses to complement their career or graduate school goals.

### Major Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year One</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HEA 100</td>
<td>Dimensions of Wellness</td>
<td>3</td>
</tr>
<tr>
<td>BIO 100</td>
<td>Basic Biological Science or Concepts of Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHE 100</td>
<td>Introduction to Public Health</td>
<td>3</td>
</tr>
<tr>
<td>MAT 103</td>
<td>Introduction to Mathematics (or higher)</td>
<td>3</td>
</tr>
<tr>
<td>ANT 102</td>
<td>Introduction to Anthropology: Cultural</td>
<td>3</td>
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</tbody>
</table>

### Year Two

<table>
<thead>
<tr>
<th>Semester Three</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEA 110 Transcultural Health: Principles and Practice</td>
</tr>
<tr>
<td>ENV 102 Humans and the Environment</td>
</tr>
<tr>
<td>WRT 200 Critical Writing and Research</td>
</tr>
<tr>
<td>WRT 208 Sphere</td>
</tr>
<tr>
<td>Gen Ed Humanities Course</td>
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<tr>
<td>Gen Ed Arts Course</td>
</tr>
<tr>
<td>Free elective</td>
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<tr>
<td>Total Minimum Credits Required</td>
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</table>

### Year Three

<table>
<thead>
<tr>
<th>Semester Four</th>
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</thead>
<tbody>
<tr>
<td>HEA 110 Transcultural Health: Principles and Practice</td>
</tr>
<tr>
<td>ENV 102 Humans and the Environment</td>
</tr>
<tr>
<td>HEA 306 Curriculum and Instruction or Chronic and Communicable Diseases</td>
</tr>
<tr>
<td>HEA 341 Diseases</td>
</tr>
<tr>
<td>Gen Ed Humanities Course</td>
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<td>Gen Ed Arts Course</td>
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<tr>
<td>Free elective</td>
</tr>
<tr>
<td>Free elective</td>
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<td>Total Minimum Credits Required</td>
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### Year Four

<table>
<thead>
<tr>
<th>Semester Five</th>
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<tbody>
<tr>
<td>HEA 330 Health Behavior</td>
</tr>
<tr>
<td>HEA 306 Curriculum and Instruction or Chronic and Communicable Diseases</td>
</tr>
<tr>
<td>HEA 341 Diseases</td>
</tr>
<tr>
<td>Gen Ed Humanities Course</td>
</tr>
<tr>
<td>Gen Ed Arts Course</td>
</tr>
<tr>
<td>Free elective</td>
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<td>Total Minimum Credits Required</td>
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</tbody>
</table>

### Year Five

<table>
<thead>
<tr>
<th>Semester Six</th>
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<tbody>
<tr>
<td>HEA 342 Program Planning and Evaluation</td>
</tr>
<tr>
<td>HEA 419 Research Methods in Health</td>
</tr>
<tr>
<td>HEA 436 Health Care Delivery - Trends; Challenges</td>
</tr>
<tr>
<td>Gen Ed Humanities Course</td>
</tr>
<tr>
<td>Gen Ed Arts Course</td>
</tr>
<tr>
<td>Free elective</td>
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<tr>
<td>Total Minimum Credits Required</td>
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</table>
### Year Four

#### Semester Seven

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>HEA 420</td>
<td>Health Marketing and Communications</td>
<td>3</td>
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<tr>
<td>HEA 418</td>
<td>Preparation for Internship and for Professional Practice Seminar</td>
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<tr>
<td>HEA elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>HEA elective</td>
<td></td>
<td>3</td>
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<tr>
<td>HEA elective</td>
<td></td>
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<tr>
<td>Free elective</td>
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<tr>
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#### Semester Eight

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>HEA 421</td>
<td>Public Health Internship</td>
<td>3</td>
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<tr>
<td><strong>Credits</strong></td>
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</tbody>
</table>

**Total Credits:** 120

1. MAT 121 recommended for students considering graduate work in public health.
2. HEA 110 is Gen Ed Diversity, ENV 102 is Gen Ed Interdisciplinary.
3. All other courses must be taken prior to HEA 421.

### B.S. IN ENVIRONMENTAL HEALTH

#### College of Health Sciences

**Curriculum**

**General Education Requirements** ([http://catalog.wcupa.edu/undergraduate/general-education-requirements](http://catalog.wcupa.edu/undergraduate/general-education-requirements))

<table>
<thead>
<tr>
<th>Category</th>
<th>Credits</th>
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<tbody>
<tr>
<td>English Composition requirements</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics requirement</td>
<td>3</td>
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<tr>
<td>Public Speaking requirement</td>
<td>3</td>
</tr>
<tr>
<td>Science requirements</td>
<td>6</td>
</tr>
<tr>
<td>Behavioral &amp; Social Science requirements</td>
<td>6</td>
</tr>
<tr>
<td>Humanities requirements</td>
<td>6</td>
</tr>
<tr>
<td>Arts requirement</td>
<td>3</td>
</tr>
<tr>
<td>Diverse Communities requirement</td>
<td>3</td>
</tr>
<tr>
<td>Interdisciplinary requirement</td>
<td>3</td>
</tr>
<tr>
<td>Student Electives</td>
<td>9</td>
</tr>
<tr>
<td>Writing Emphasis requirements</td>
<td>9</td>
</tr>
</tbody>
</table>

**Related/Cognate Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>BIO 110</td>
<td>General Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIO 204</td>
<td>Introductory Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 270</td>
<td>Ecology</td>
<td>3</td>
</tr>
<tr>
<td>BIO 484</td>
<td>Epidemiology</td>
<td>3</td>
</tr>
<tr>
<td>CHE 103</td>
<td>General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CRL 103</td>
<td>Experimental General Chemistry I (LAB)</td>
<td>1</td>
</tr>
<tr>
<td>CHE 104</td>
<td>General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CRL 104</td>
<td>Experimental General Chemistry II (LAB)</td>
<td>1</td>
</tr>
<tr>
<td>CHE 230</td>
<td>Introduction to Organic and Biological Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CRL 230</td>
<td>Introduction to Organic and Biological Chemistry Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>ECO 111</td>
<td>Principles of Economics (Macro)</td>
<td>3</td>
</tr>
<tr>
<td>ESS 101</td>
<td>Introduction to Geology</td>
<td>3</td>
</tr>
<tr>
<td>MAT 131</td>
<td>Precalculus</td>
<td>3</td>
</tr>
<tr>
<td>MAT 121</td>
<td>Introduction to Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>PHY 130</td>
<td>General Physics</td>
<td>4</td>
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**Major Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENV 102</td>
<td>Humans and the Environment</td>
<td>3</td>
</tr>
<tr>
<td>ENV 230</td>
<td>Hazardous Waste Operations and Emergency Response</td>
<td>3</td>
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</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENV 445</td>
<td>Risk Assessment</td>
<td>3</td>
</tr>
<tr>
<td>ENV 447</td>
<td>Environmental Regulations</td>
<td>3</td>
</tr>
<tr>
<td>ENV 451</td>
<td>Environmental Toxicology</td>
<td>3</td>
</tr>
<tr>
<td>ENV 452</td>
<td>Industrial Hygiene I</td>
<td>3</td>
</tr>
<tr>
<td>ENV 455</td>
<td>Environmental Health Seminar</td>
<td>3</td>
</tr>
<tr>
<td>ENV 456</td>
<td>Environmental Health Internship</td>
<td>3-12</td>
</tr>
<tr>
<td>ENV 460</td>
<td>Industrial Hygiene II</td>
<td>3</td>
</tr>
<tr>
<td>ENV 462</td>
<td>Water Quality and Health</td>
<td>3</td>
</tr>
<tr>
<td>HEA 110</td>
<td>Transcultural Health: Principles and Practice</td>
<td>3</td>
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</tbody>
</table>

**Elective Requirements**

Select 8 semester hours under advisement

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENV 435</td>
<td>Environmental Health Workshop</td>
<td></td>
</tr>
<tr>
<td>ENV 450</td>
<td>Hazardous and Solid Waste</td>
<td></td>
</tr>
<tr>
<td>ENV 453</td>
<td>Occupational Safety</td>
<td></td>
</tr>
<tr>
<td>ENV 470</td>
<td>Emergency Preparedness</td>
<td></td>
</tr>
<tr>
<td>ENV 475</td>
<td>Bioterrorism, Bio-Crises, &amp; Public Health</td>
<td></td>
</tr>
</tbody>
</table>

**Total Minimum Credits Required:** 120

1. These required courses also satisfy general education requirements.

### Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

### B.S. IN HEALTH SCIENCE: GENERAL

#### College of Health Sciences

**Curriculum**

Students must satisfactorily complete an allied health certificate, license, diploma, or A.S. degree program.

**General Education Requirements** ([http://catalog.wcupa.edu/undergraduate/general-education-requirements](http://catalog.wcupa.edu/undergraduate/general-education-requirements))

<table>
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<td>Science requirements</td>
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</tr>
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<td>Behavioral &amp; Social Science requirements</td>
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</tr>
<tr>
<td>Humanities requirements</td>
<td>6</td>
</tr>
<tr>
<td>Arts requirement</td>
<td>3</td>
</tr>
<tr>
<td>Diverse Communities requirement</td>
<td>3</td>
</tr>
<tr>
<td>Interdisciplinary requirement</td>
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</tr>
<tr>
<td>Student Electives</td>
<td>9</td>
</tr>
<tr>
<td>Writing Emphasis requirements</td>
<td>9</td>
</tr>
</tbody>
</table>

**Major Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEA 242</td>
<td>Introduction to Public and Community Health</td>
<td>3</td>
</tr>
<tr>
<td>HEA 341</td>
<td>Chronic and Communicable Diseases</td>
<td>3</td>
</tr>
<tr>
<td>HEA 419</td>
<td>Research Methods in Health</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 15 semester hours as approved by an advisor

**Total Minimum Credits Required:** 120

1. Students must earn a C or better in each course.

### Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.
B.S. IN HEALTH SCIENCE: GENERAL - SPORTS MEDICINE STUDIES
CONCENTRATION

College of Health Sciences

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

English Composition requirements 6
Mathematics requirement 3
Public Speaking requirement 3
Science requirements 6
Behavioral & Social Science requirements 6
Humanities requirements 6
Arts requirement 3
Diverse Communities requirement 3
Interdisciplinary requirement 3
Student Electives 9
Writing Emphasis requirements 9

Major/Concentration Requirements

HEA 110 Transcultural Health: Principles and Practice 3
HEA 210 Introduction to Allied Health 3
HEA 242 Introduction to Public and Community Health 3
HEA 341 Chronic and Communicable Diseases 3
HEA 377 Pharmacology 2
HEA 419 Research Methods in Health 3
NTD 303 Introductory Principles Human Nutrition 3
SMD 204 First Aid for Health Professionals 3
SMD 210 Psychosocial Perspectives of Sports/Recreational Injuries 3
SMD 261 Surface Anatomy 3
SMD 361 Kinesiology 3
SMD 400 Special Topics in Athletic Training 3
SMD 420 Sports Medicine 1 3
SMD 430 Sports Medicine 2 3
SMD 450 Capstone in Sports Medicine 3

Related/Cognate Requirements

BIO 110 General Biology 3
BIO 259 Human Anatomy and Physiology I 4
BIO 269 Human Anatomy and Physiology II 4
CHE 107 General Chemistry for Allied Health Sciences 4
CRL 107 General Chemistry Lab for Allied Health Sciences 1
PHY 100 Elements of Physical Science 3
MAT 121 Introduction to Statistics I 3
PSY 100 Introduction to Psychology 3
EXS 380 Exercise Physiology 3
EXS 380 Exercise Physiology Lab 1
EXS 102 Fundamentals of Resistance Training Techniques 2
NTD 422 Nutrition for Health, Fitness & Sport 3

Total Minimum Credits Required 120

Accelerated B.S. in Health Science: General - Sports Medicine Studies Concentration to M.S. in Athletic Training Program

Beginning in Summer I after Year 3, the 12 credits below from the M.S. in Athletic Training will be used to satisfy the final 12 credits for the B.S. Health Sciences: Concentration in Sports Medicine Sciences.

SMD 500 Human Cadaver Anatomy 2
SMD 501 Human Cadaver Dissection 4
SMD 502 Prevention & Care of Injury and Illness 3
SMD 505 Evidence Based Practice in Sports Medicine 3

Progression into the M.S. in Athletic Training Program

An application and notification of intent to progress into the M.S. in Athletic Training program must be completed by the announced deadline in the spring semester of the sophomore year.

A student must achieve a grade of C or better in all undergraduate major and related required courses. Students must have a 3.0 cumulative GPA to progress into the M.S. in Athletic Training program. (If applicable, transfer course grades will be calculated in to determine GPA.)

An interview with department faculty may be required. Please see the S (http://www.wcupa.edu/healthsciences/sportsmed)ports Medicine Department (http://www.wcupa.edu/healthsciences/sportsmed) for technical standards for the M.S. in Athletic Training.

Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

Accelerated B.S. in Health Science: General - Sports Medicine Studies Concentration and M.S. in Athletic Training Program

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMD 204</td>
<td>First Aid for Health Professionals</td>
<td>3</td>
</tr>
<tr>
<td>SMD 210</td>
<td>Psychosocial Perspectives of Sports/Recreational Injuries</td>
<td>3</td>
</tr>
<tr>
<td>SMD 261</td>
<td>Surface Anatomy</td>
<td>3</td>
</tr>
<tr>
<td>SMD 361</td>
<td>Kinesiology</td>
<td>3</td>
</tr>
<tr>
<td>SMD 400</td>
<td>Special Topics in Athletic Training</td>
<td>3</td>
</tr>
<tr>
<td>SMD 420</td>
<td>Sports Medicine 1</td>
<td>3</td>
</tr>
<tr>
<td>SMD 430</td>
<td>Sports Medicine 2</td>
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<tr>
<td>SMD 450</td>
<td>Capstone in Sports Medicine</td>
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</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 110</td>
<td>General Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIO 259</td>
<td>Human Anatomy and Physiology I</td>
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<td>BIO 269</td>
<td>Human Anatomy and Physiology II</td>
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<td>CHE 107</td>
<td>General Chemistry for Allied Health Sciences</td>
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<tr>
<td>CRL 107</td>
<td>General Chemistry Lab for Allied Health Sciences</td>
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</tr>
<tr>
<td>PHY 100</td>
<td>Elements of Physical Science</td>
<td>3</td>
</tr>
<tr>
<td>MAT 121</td>
<td>Introduction to Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>PSY 100</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>EXS 380</td>
<td>Exercise Physiology</td>
<td>3</td>
</tr>
<tr>
<td>EXS 380</td>
<td>Exercise Physiology Lab</td>
<td>1</td>
</tr>
<tr>
<td>EXS 102</td>
<td>Fundamentals of Resistance Training Techniques</td>
<td>2</td>
</tr>
<tr>
<td>NTD 422</td>
<td>Nutrition for Health, Fitness &amp; Sport</td>
<td>3</td>
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</tbody>
</table>

Total Minimum Credits Required 120
### Curriculum

Complete a minimum of 120 credits including the following required courses (all courses require a C or better):

**General Education Requirements**

- English Composition requirement
- Mathematics requirement
- Public Speaking requirement
- Science requirements
- Behavioral & Social Science requirements
- Humanities requirements
- Arts requirements
- Diverse Communities requirement
- Interdisciplinary requirement
- Student Electives

**Writing Emphasis requirements**

**Related/Cognate Requirements**

**Major Requirements**

**Total Minimum Credits Required**

### Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.
The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Year One</strong></td>
<td></td>
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</tr>
<tr>
<td><strong>Semester One</strong></td>
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<tr>
<td>BIO 100</td>
<td>Basic Biological Science</td>
<td>3</td>
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<tr>
<td>MAT 113</td>
<td>Algebra and Functions</td>
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</tr>
<tr>
<td>PSY 100</td>
<td>Introduction to Psychology</td>
<td>3</td>
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<tr>
<td>WRT 120</td>
<td>Effective Writing I</td>
<td>3</td>
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<tr>
<td>Communications Course</td>
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<tr>
<td><strong>Credits</strong></td>
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<td>15</td>
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<tr>
<td><strong>Semester Two</strong></td>
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<tr>
<td>BIO 259</td>
<td>Human Anatomy and Physiology I</td>
<td>4</td>
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<tr>
<td>WRT ___ Eng Requirement</td>
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<td>3</td>
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<tr>
<td>PHI 180</td>
<td>Introduction to Ethics</td>
<td>3</td>
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<tr>
<td>Diverse Communities Course</td>
<td></td>
<td>3</td>
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<tr>
<td>Interdisciplinary Course</td>
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<td>3</td>
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<td><strong>Credits</strong></td>
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<tr>
<td><strong>Year Two</strong></td>
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<tr>
<td><strong>Semester Three</strong></td>
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<tr>
<td>CHE 100</td>
<td>Concepts of Chemistry</td>
<td>3</td>
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<tr>
<td>BIO 269</td>
<td>Human Anatomy and Physiology II</td>
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<td>Humanities Course</td>
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<td>Free Electives</td>
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<td><strong>Credits</strong></td>
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<tr>
<td><strong>Semester Four</strong></td>
<td></td>
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<tr>
<td>BIO 204</td>
<td>Introductory Microbiology</td>
<td>4</td>
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<tr>
<td>HEA 210</td>
<td>Introduction to Allied Health</td>
<td>3</td>
</tr>
<tr>
<td>Social/Behavioral Course</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Art Requirement</td>
<td></td>
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<tr>
<td>Free Elective</td>
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<tr>
<td><strong>Credits</strong></td>
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<tr>
<td><strong>Year Three</strong></td>
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<tr>
<td><strong>Semester Five</strong></td>
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<tr>
<td>HEA 370</td>
<td>Medical Terminology</td>
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<tr>
<td>HEA 371</td>
<td>Aspects of Respiratory Therapy I</td>
<td>2</td>
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<tr>
<td>HEA 372</td>
<td>Respiratory Anatomy and Physiology</td>
<td>3</td>
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<tr>
<td>HEA 373</td>
<td>Bronchopulmonary Hygiene</td>
<td>3</td>
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<tr>
<td>HEA 374</td>
<td>Oxygen Therapy</td>
<td>2</td>
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<td>Free Electives</td>
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<td><strong>Credits</strong></td>
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<tr>
<td><strong>Semester Six</strong></td>
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<tr>
<td>HEA 375</td>
<td>Cardiopulmonary Disease</td>
<td>3</td>
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<tr>
<td>HEA 376</td>
<td>Aspects of Respiratory Therapy II</td>
<td>2</td>
</tr>
<tr>
<td>HEA 377</td>
<td>Pharmacology</td>
<td>1</td>
</tr>
<tr>
<td>HEA 378</td>
<td>Respiratory Technology</td>
<td>3</td>
</tr>
<tr>
<td>HEA 379</td>
<td>Hemodynamics I</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td>3</td>
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<tr>
<td><strong>Credits</strong></td>
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<td>16</td>
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<tr>
<td><strong>Summer</strong></td>
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<tr>
<td>HEA 380</td>
<td>Clinical Practice I (9 weeks)</td>
<td>6</td>
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<tr>
<td><strong>Credits</strong></td>
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<td>6</td>
</tr>
<tr>
<td><strong>Year Four</strong></td>
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<td></td>
</tr>
<tr>
<td><strong>Semester Eight</strong></td>
<td></td>
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<tr>
<td>HEA 472</td>
<td>Mechanical Ventilation</td>
<td>3</td>
</tr>
<tr>
<td>HEA 473</td>
<td>Life Support Systems</td>
<td>3</td>
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<tr>
<td>HEA 474</td>
<td>Pulmonary Function Evaluation</td>
<td>2</td>
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<tr>
<td>HEA 475</td>
<td>Pediatric/Neonatal Respiratory Care</td>
<td>2</td>
</tr>
<tr>
<td>HEA 476</td>
<td>Respiratory Care Clinical II</td>
<td>2</td>
</tr>
<tr>
<td>HEA 477</td>
<td>Hemodynamics II</td>
<td>3</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
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<td>15</td>
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<tr>
<td><strong>Semester Nine</strong></td>
<td></td>
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<tr>
<td>HEA 478</td>
<td>Respiratory Therapy Seminar I</td>
<td>3</td>
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<tr>
<td>HEA 479</td>
<td>Respiratory Care Clinical Practice III</td>
<td>8</td>
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<tr>
<td>HEA 435</td>
<td>Health Workshop</td>
<td>1</td>
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<tr>
<td>Elective</td>
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<td>3</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
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<td>15</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td>132</td>
</tr>
</tbody>
</table>

1 Courses open to non-major students with permission of program director

- All core curriculum courses require a grade of “C” or better.
- An overall GPA of 2.7 is required prior to the continuation to HEA 380.
- HEA 370 through HEA 479 must be taken in sequence and combinations as listed above.
- Prerequisites: BIO 269 (Prereq: BIO 204) and BIO 204 (Prereq: BIO 100)
- (3) writing emphasis courses are needed to meet General Education Requirements.
- Courses open to non-major students with permission of Program Director.

**Sciences:** BIO; CHE; CSC; ESS; PHY

**Behavioral and Social Sciences:** ANT; ECO; GEO; PSC; PSY; SOC

**Humanities:** HIS; LIT; PHI

**Free Electives:** 9 credits

**MINOR IN CONTEMPLATIVE STUDIES**

**College of Health Sciences**

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEA 315</td>
<td>Mind, Body, and Health</td>
<td>3</td>
</tr>
<tr>
<td>HEA 325</td>
<td>Stress Management</td>
<td>3</td>
</tr>
</tbody>
</table>

**Required Contemplative Tradition Courses**

Select one of the following two options: 6

**Option 1: India**

| PEA 142 | Yoga | |
| PHI 204 | Philosophies and Religions of India | |

**Option 2: Far East**

| PEA 144 | T’ai Chi Ch’uan | |
| PHI 205 | Philosophies and Religions of the Far East | |

**Elective Courses**

Student must select two elective courses, offered as two-course modules: 6

- Choose India (if not taken as the required option)
  | PEA 142 | Yoga |
  | PHI 204 | Philosophies and Religions of India |

- Choose the Far East (if not taken as the required option)
  | PEA 144 | T’ai Chi Ch’uan |
  | PHI 205 | Philosophies and Religions of the Far East |

**or choose an overview of Therapeutic Interventions**

| HEA 333 | Alternative and Complementary Medicine |
| PSY 200 | Positive Psychology: The Science of Happiness and Well Being |
MINOR IN ENVIRONMENTAL HEALTH

College of Health Sciences

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENV 102</td>
<td>Humans and the Environment</td>
<td>3</td>
</tr>
<tr>
<td>ENV 447</td>
<td>Environmental Regulations</td>
<td>3</td>
</tr>
<tr>
<td>ENV 451</td>
<td>Environmental Toxicology</td>
<td>3</td>
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</tbody>
</table>

Electives

Select three of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENV 230</td>
<td>Hazardous Waste Operations and Emergency Response</td>
<td>3</td>
</tr>
<tr>
<td>ENV 435</td>
<td>Environmental Health Workshop</td>
<td>3</td>
</tr>
<tr>
<td>ENV 445</td>
<td>Risk Assessment</td>
<td>3</td>
</tr>
<tr>
<td>ENV 450</td>
<td>Hazardous and Solid Waste</td>
<td>3</td>
</tr>
<tr>
<td>ENV 452</td>
<td>Industrial Hygiene I</td>
<td>3</td>
</tr>
<tr>
<td>ENV 460</td>
<td>Industrial Hygiene II</td>
<td>3</td>
</tr>
<tr>
<td>ENV 462</td>
<td>Water Quality and Health</td>
<td>3</td>
</tr>
<tr>
<td>ENV 470</td>
<td>Emergency Preparedness</td>
<td>3</td>
</tr>
<tr>
<td>ENV 475</td>
<td>Bioterrorism, Bio-Crises, &amp; Public Health</td>
<td>3</td>
</tr>
</tbody>
</table>

Other courses selected with approval of adviser

Total Credits 18

1 A grade of C- or better is required in each course.

MINOR IN HEALTH SCIENCES

College of Health Sciences

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEA 100</td>
<td>Dimensions of Wellness</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 15 semester hours of other health courses under advisement. 9 semester hours must be at the 300 and 400 level.

Total Credits 18

A grade of C- or better is required in each course.

DEPARTMENT OF HISTORY

College of Arts and Humanities

404 Wayne Hall
610-436-2201

Department of History (http://www.wcupa.edu/history)

Robert Kodosky (rkodosky@wcupa.edu), Chairperson
Eric Fournier (efournier@wcupa.edu), Assistant Chairperson

The student of history seeks to re-create the past (or, more precisely, as much of it as possible) in a rational manner, not only to explain and understand the past for its own sake, but also to identify our age with earlier times. The student is concerned with the origins, development, and relationships between past people and events and, from the multiplicity of credible and sometimes conflicting evidence, renders judgments on causation and consequences. He or she seeks to achieve a sense of the past. Among the careers open to history majors are the law, government service, teaching, research, journalism, and business. Indeed, a strong preparation in history can lead to possibilities in virtually every field of endeavor.

Programs

Majors in History

- B.A. in History (p. 309)
- B.A. in History - American Studies Concentration (p. 311)

Minors in History

- History (p. 312)

Certificates in History

- Elective Social Studies Teacher Certification (p. 312)

Graduate Opportunities

See the graduate catalog for more information on the History programs. (http://catalog.wcupa.edu/graduate/arts-humanities/history)

Policies

- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific departmental programs may be listed below.

Faculty

Professors

Cecilia Lee-Fang Chien (cchien@wcupa.edu) (2005)
B.A., Central Michigan University; M.A., Ph.D., Harvard University

Jonathan Friedman (jfriedman@wcupa.edu) (2002)
Director, Holocaust and Genocide Studies
Graduate Coordinator, Holocaust and Genocide Studies
B.A., Kent State University; M.A., Ph.D., University of Maryland - College Park

Karin E. Gedge (kgedge@wcupa.edu) (1997)
B.A., Lake Forest College; M.A., State University of New York at Brockport; Ph.D., Yale University

Wayne Hanley (whanley@wcupa.edu) (2000)
B.A., M.A., Central Missouri State University; Ph.D., University of Missouri

Charles A. Hardy (chardy@wcupa.edu) (1990)
B.A., M.A., Ph.D., Temple University

Lisa A. Kirschenbaum (lkirschenbaum@wcupa.edu) (1996)
A.B., Brown University; M.A., Ph.D., University of California, Berkeley

Associate Professors

Martha Donkor (mdonkor@wcupa.edu) (2014)
B.A., University of Cape Coast; M.A., University of Guelph; Ph.D., University of Toronto

Eric Fournier (efournier@wcupa.edu) (2008)
Assistant Chairperson, History
B.A., M.A., Universite de Montreal; Ph.D., University of California, Santa Barbara

Brenda L. Gaydosh (bgaydosh@wcupa.edu) (2013)
Graduate Coordinator, History
B.S., Allentown College of St. Francis de Sales; M.A., West Chester University; Ph.D., American University

Steven Gimber (sgimber@wcupa.edu) (2007)
B.A., Rowan University; M.A., University of Pennsylvania; Ph.D., American University

Robert Kodosky (rkodosky@wcupa.edu) (2009)
Chairperson, History
B.S., University of Pennsylvania; M.A., Villanova University; Ph.D., Temple University

Anne Krulikowski (akrulikowski@wcupa.edu) (2013)
B.A., Immaculata University; M.A., Villanova University; Ph.D., University of Delaware

Thomas J. Legg (tlegg@wcupa.edu) (2000)
B.A., State University of New York at Cortland; M.A., State University of New York at Brockport; Ph.D., College of William and Mary
Assistant Professors

Tia Malkin-Fontecchio (tmalkinfor@wcupa.edu) (2006)
B.A., University of California, Berkeley; M.A., Ph.D., Brown University

Brent J. Ruswick (bruswick@wcupa.edu) (2013)
B.S., University of Nebraska; M.A., Ph.D., University of Wisconsin

James M. Scythes (jscythe@wcupa.edu) (2013)
A.S., Cumberland County College; B.A., Rowan University; M.A., Villanova University

Elizabeth D. Urban (eurban@wcupa.edu) (2014)
B.A., Rice University; M.A., Ph.D., University of Chicago

Courses

HIS

HIS 100. Global History since 1900. 3 Credits.
The 20th century background to today’s world is examined through a variety of themes and concepts. Gen Ed Attribute: Humanities Distributive Requirement.
Distance education offering may be available. Typically offered in Fall & Spring.

HIS 101. History of Civilization I. 3 Credits.
Cultural elements and social institutions in the West and the East from earliest times through the Renaissance. Gen Ed Attribute: Humanities Distributive Requirement.
Typically offered in Fall & Spring.

HIS 102. History of Civilization II. 3 Credits.
Developments in civilizations from 1500 to the present, with emphasis on Western civilization and its interrelationships with the non-Western world. Gen Ed Attribute: Humanities Distributive Requirement.
Typically offered in Fall & Spring.

HIS 150. The American Experience. 3 Credits.
The history of the United States, with emphasis on major themes, ideas, and developments: nationalism, sectionalism, imperialism, industrialism, and others. Gen Ed Attribute: Humanities Distributive Requirement.
Typically offered in Fall & Spring.

HIS 151. History of the United States I. 3 Credits.
The social, economic, political, and intellectual development of the United States from the beginning of the Colonial period through Reconstruction. Gen Ed Attribute: Humanities Distributive Requirement.
Typically offered in Fall & Spring.

HIS 152. History of the United States II. 3 Credits.
Typically offered in Fall & Spring.

HIS 199. History Transfer Credits. 1-10 Credits.
History Transfer Credits. Repeatable for Credit.

HIS 299. History Transfer Credits. 1-10 Credits.
History Transfer Credits. Repeatable for Credit.

HIS 300. Varieties of History. 3 Credits.
Historical research techniques. Methodology, historiography, and varieties of history. Pre / Co requisites: HIS 300 requires prerequisite of 6 credits of 100-level History courses. Gen Ed Attribute: Writing Emphasis. Typically offered in Fall & Spring.

HIS 302. Modern India. 3 Credits.
Social, religious, and cultural underpinnings of modern India against a backdrop of the subcontinent’s chronological development. Hindu and Muslim traditions discussed in terms of their own social, religious, and historical dynamics and as examples of complexities of national integration. Gen Ed Attribute: Interdisciplinary Requirement.

HIS 305. Modern China. 3 Credits.

HIS 306. Chinese Civilization. 3 Credits.
Study of dominant cultural, philosophical, and historical patterns that have influenced the development of China as it is today and the traditional way in which Chinese approach their own history. Gen Ed Attribute: Interdisciplinary Requirement. Typically offered in Spring.

HIS 308. Introduction to the Islamic World. 3 Credits.
Study of the religio-cultural heritage of the Islamic world against a historical background. Selected areas of Middle, South, and Southeast Asia will be utilized to illustrate the flowering of Islamic arts, architecture, and poetry. Includes geography component. Gen Ed Attribute: Interdisciplinary Requirement. Typically offered in Fall.

HIS 311. History of Africa to 1875. 3 Credits.
A survey of African history to 1875, providing regional coverage of the entire continent, and an examination of African oral traditions. Typically offered in Fall.

HIS 312. History of Africa Since 1875. 3 Credits.

HIS 314. Latin American Women's History. 3 Credits.
Examines Latin American women 1500 - present. Focuses on intersections of class, race, and gender; relations between private and public spheres; changing women’s experiences over time.

HIS 315. Colonial Latin America. 3 Credits.

HIS 316. Modern Latin America. 3 Credits.
Latin America in the 19th and 20th centuries; liberalism, conservatism, dictatorship, revolution, socialism, industrialization, agrarian reform, cultural-intellectual achievements, and international relations. Topical approach, using individual countries as case history illustrations. Gen Ed Attribute: Foreign Language Culture Cluster, Spanish Culture Cluster. Typically offered in Fall, Spring & Summer.

HIS 317. History of Mexico. 3 Credits.
Mexico from Pre-Columbian period to present, including civilizations of Mayas and Aztecs, Spanish conquest, Colonial period, movement for independence era of Santa Ana, La Reforma, Diaz dictatorship, Mexican Revolution, cultural-intellectual achievements, international relations, and modernization of Mexico since the Revolution. Gen Ed Attribute: Foreign Language Culture Cluster, Spanish Culture Cluster.

HIS 318. The Ancient World. 3 Credits.
Classical Greece and Rome with consideration of economic, social, intellectual, and political history. Selected writings of the ancients. Gen Ed Attribute: Classical Civilizations Culture Cluster, Foreign Language Culture Cluster.
HIS 319. Medieval Europe. 3 Credits.
Western Europe from the fall of Rome to approximately 1300. Economic, social, political, and intellectual developments in the major kingdoms of the West; the history of the Universal Church.
Gen Ed Attribute: Classical Civilizations Culture Cluster, Foreign Language Culture Cluster.

HIS 320. Renaissance and Reformation. 3 Credits.
Political, economic, social, and cultural forces that emerged in Europe from 1300 to 1650. The evolution of modern states and the rise of the middle class.

HIS 323. Austrian Civilization. 3 Credits.
An interdisciplinary study of Austrian civilization, 1848-1938. Emphasis is placed on fin-de-siécle Vienna, not only as its pivotal role in Austrian culture but also as a testing ground for modernism in the West.
Gen Ed Attribute: Foreign Language Culture Cluster, Germany Culture Cluster, Interdisciplinary Requirement.
Typically offered in Fall & Spring.

HIS 324. Imperial Russia. 3 Credits.
Russian history from Peter the Great to the February revolution of 1917. Emphasis on issues of modernity and ethnic identity.
Gen Ed Attribute: Foreign Language Culture Cluster, Russia & Eastern Europe Culture Cluster. Typically offered in Fall.

HIS 328. The French Revolution and Napoleon. 3 Credits.
A study of key social, political, and cultural themes of the French Revolution from its origins during the ancient regime to the fall of Napoleon Bonaparte.
Gen Ed Attribute: Foreign Language Culture Cluster, France & Francophone Area Culture Cluster.
Typically offered in Fall & Spring.

HIS 329. Gender and Peace. 3 Credits.
Examination of the ways in which social and historical constructions of gender intersect with perceptions and experience of war and peace.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Spring.

HIS 331. 20TH Century Europe. 3 Credits.
European fascism and communism; totalitarianism confronts liberalism; interaction between domestic politics and foreign policy; polarization of European politics; disintegration of the political institutions of the traditional state.

HIS 332. The Holocaust. 3 Credits.
Focuses on ethnic, nationalistic, economic, and religious causes of the Holocaust, including 20th-century Nazism, racism, and anti-semitism; study of the Nuremberg trials.
Typically offered in Fall & Spring.

HIS 334. Colonial America. 3 Credits.
Examination of the colonial experience of Europeans in the parts of America that became the United States, from Columbus’s voyage in 1492 to the eve of the Revolutionary War.

HIS 335. History of Pennsylvania. 3 Credits.
The founding and development of Pennsylvania from its Colonial beginnings to the present with emphasis on the relation of the past to the present.
Typically offered in Fall & Spring.

HIS 349. The Jew in History. 3 Credits.
The course covers the vast expanse of Jewish history going back to 2000 B.C., tracing the story of a people who belong to one of civilization’s major monotheistic religions.
Gen Ed Attribute: Diversity Requirement.
Typically offered in Fall.

HIS 352. Modern American Military History. 3 Credits.
The role of the American military in shaping the course of the nation in the 20th century.
Offered in fall semester.
Typically offered in Spring.

HIS 356. U.S. Environmental History. 3 Credits.
An examination of the transformation of the American landscape, the history of American environmental policy, and the development of today’s environmental crisis.
Typically offered in Spring.

HIS 357. Diplomatic History of the United States. 3 Credits.
The theory and practice of American diplomacy from Colonial times to the present with emphasis on the 20th century.
Typically offered in Fall.

HIS 358. American Popular Culture in the 20th Century. 3 Credits.
An examination of the rise of American mass consumer culture, commercialization of leisure, development of the mass media, and redefinition of normal and deviant behaviors.
Typically offered in Fall & Spring.

HIS 360. Technology and American Life. 3 Credits.
Promises and practices of American life in response to the interaction of American forms, values, and scientific-technological change from the Colonial period to the present.

HIS 361. Constitutional History of the United States. 3 Credits.
The development of the Constitution of the United States from the Philadelphia convention to the present with emphasis on major Supreme Court decisions.

HIS 362. Violence in America. 3 Credits.
A study of violence in American society as an instrument of change and a method of social control.
Gen Ed Attribute: Diversity Requirement.

HIS 364. U.S. Urban History. 3 Credits.
A survey of the rise of the American city from early Philadelphia to the modern metropolis. The recurring themes of growth, immigration, social mobility, city politics, city planning, urbanism, and suburbanism.

HIS 365. American Popular Culture in the 20th Century. 3 Credits.
An examination of the rise of American mass consumer culture, commercialization of leisure, development of the mass media, and redefinition of normal and deviant behaviors.
Typically offered in Fall & Spring.

HIS 366. The Turbulent Sixties. 3 Credits.
Examination of the stress and conflict in American politics, arts, literature, and society of the 1960’s.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Spring.

HIS 367. American Material Culture. 3 Credits.
An interdisciplinary study of American civilization through the examination of its built environment and crafted and manufactured artifacts from the colonial period to the mid-twentieth century.
Cross listed courses AMS 367, HIS 367.

HIS 368. Gay America. 3 Credits.
Encompasses four hundred years of gay and lesbian history, culture, and politics, from colonial settlers and Native American cultures to the present with emphasis on the 20th century.
Gen Ed Attribute: Diversity Requirement.
Typically offered in Summer.

HIS 369. American West. 3 Credits.
Exploration of the historical and mythical American West, from pre-Columbian America to the present.

HIS 370. American Indians. 3 Credits.
A survey of Indian civilization on the continent of North America and the confrontation of this civilization with white culture.
Typically offered in Fall & Spring.

HIS 373. African-American History. 3 Credits.
A survey of African-American history from 15th century West Africa to the present that focuses on the evolution of African-American culture and identity, and the struggle for freedom and racial equality.
Gen Ed Attribute: Diversity Requirement.

HIS 375. A History of the Arab-Israeli Conflict. 3 Credits.
This course will examine the history of the Arab-Israeli conflict and the factors that both encourage and impede resolution. Consideration will also be given to the history of the U.S. involvement in the conflict.

HIS 376. American History at the Movies. 3 Credits.
This course examines the relationship between academic scholarship and the presentation of American History in film.

HIS 378. Revolutionary America. 3 Credits.
This is a cultural, military, and social history of the Revolutionary Era. It covers a period of time from the mid-eighteenth century through the formation and ratification of the federal constitution and the adoption of the Bill of Rights.

HIS 380. History of U.S. Involvement in the Middle East. 3 Credits.
Examines U.S. involvement in the Middle East in the 19th and 20th centuries. Consideration will be given to religious, economic, and diplomatic activities as well as involvement in the Arab-Israeli conflict.
Typically offered in Fall & Spring.
**HIS 390. History on the Web. 3 Credits.**
This course helps students develop skills to critically engage with, evaluate, and synthesize historical resources on the Internet by teaching digital literacy through instruction in searching and discovering information, evaluating material critically, and collecting and curating information. Beyond the mere collection of information, though, this course will develop students' ability to gain the transferable skill of moving from information to knowledge. Distance education offering may be available.

**HIS 397. Topics in World History. 3 Credits.**
Topics may vary each semester. Emphasis on student research and discussions. Typically offered in Fall & Spring. Repeatable for Credit.

**HIS 398. Topics in European History. 3 Credits.**
Topics may vary each semester. Emphasis on student research and discussions. Typically offered in Fall & Spring. Repeatable for Credit.

**HIS 399. Topics in U.S. History. 3 Credits.**
Topics may vary each semester. Emphasis on student research and discussions. Typically offered in Fall & Spring. Repeatable for Credit.

**HIS 400. Seminar in History. 3 Credits.**
In-depth research, study, and discussion of a selected historical topic. Topics will vary. Recommended for seniors. Pre/Co requisites: HIS 300. Gen Ed Attribute: Writing Emphasis. Typically offered in Fall & Spring. Repeatable for Credit.

**HIS 407. History of Brazil. 3 Credits.**
A general survey of Brazil from 1500 to the present. Emphasis will be placed on economic and political issues, slavery and race relations, literature, and current ecological problems relative to the Amazon Basin.

**HIS 410. Independent Study in History. 1-3 Credits.**
Research projects, reports, and readings in history. Consent: Permission of the Department required to add. Repeatable for Credit.

**HIS 411. Middle East to 1700. 3 Credits.**
The historical evolution of the Middle East from just before the time of Muhammad until 1700. The course seeks to promote an understanding of the nature and rise of the religion of Islam, the spread of Islamic civilization, and the evolution of the Arab and Ottoman empires. Gen Ed Attribute: Arabic Culture Cluster, Foreign Language Culture Cluster. Typically offered in Fall.

**HIS 412. Middle East Since 1600. 3 Credits.**
The historical evolution of the Middle East from 1600 to the present. The course seeks to promote a historically sound understanding of the conflicts and differences between Western and Middle Eastern societies, as well as the continuing interplay of secular and religious forces in the history of the region. Gen Ed Attribute: Arabic Culture Cluster, Foreign Language Culture Cluster. Typically offered in Spring.

**HIS 413. Atomic America. 3 Credits.**
This course examines the scientific, technological, social, political, and military circumstances surrounding the invention of atomic weapons, the consequences of their use against Japan, and the ongoing ways in which their presence shapes American culture, religion, politics, foreign affairs, and scientific research. It places particular emphasis on the social conditions that explain America's decision and ability to create and use the bomb, and subsequent efforts to make sense of the unfathomable power of these weapons through film, music, television, and religion. The course pays particular attention to how scientists, artists, and lay persons envisioned nuclear power as both the ultimate source of liberation and of doom. Typically offered in Spring.

**HIS 414. History of Health and Medicine. 3 Credits.**
This course examines the history of how people have understood and experienced health and sickness, and how people have practiced medicine and had medicine practiced upon them, from ancient times to the present. It places particular emphasis on the historical relationship between expert and lay medical knowledge, and in understanding how cultural values and priorities have informed the diverse ways that different societies have practiced medicine. The course similarly explores how medical knowledge and practice have become a potent form of cultural authority open to both great accomplishments and great abuse. Typically offered in Fall.

**HIS 415. History of Science. 3 Credits.**
This course examines the history of science from ancient Greek theories of nature, through the Scientific Revolution, Darwinian Revolution, and the Atomic Age to the Human Genome Project. In particular it looks at the historical changes in what is considered "nature" and the "scientific" study of nature, changes in who and what is recognized as legitimate sources of knowledge about nature, and the significance of social factors, especially race, class, gender, and religious and political beliefs, upon the construction and reception of scientific ideas. Typically offered in Fall & Spring.

**HIS 421. History Of England To 1688. 3 Credits.**
The British people and their mores, institutions, and achievements from the earliest times to the Glorious Revolution.

**HIS 422. History Of England Since 1688. 3 Credits.**
England as a world leader during the Commercial and Industrial revolutions, the evolution of the democratic process, and the emergency of liberalisms followed by the democratic welfare state.

**HIS 423. Modern Germany. 3 Credits.**
Germany in the 19th and 20th centuries: Napoleonic era, rise of Prussia, nationalism and unification, imperialism and World War I, National Socialism, World War II, and divided Germany. Gen Ed Attribute: Foreign Language Culture Cluster, Germany Culture Cluster. Typically offered in Fall.

**HIS 424. World of Communism. 3 Credits.**
This course examines the history of communism. It traces the origins and development of Marxian theories of inequality as well as sometimes tragic efforts to put Marxist theory into practice in, among other places, Russia, China, and Cuba. Particular attention is paid to choices and commitments of individual communists. What vision of a new world motivated communists? What solutions to class, gender, and racial inequalities did they propose? Why was their idealism so often twisted into carnage? Gen Ed Attribute: Diversity Requirement. Typically offered in Fall.

**HIS 425. Twentieth-Century Russia. 3 Credits.**

**HIS 427. Modern France: 1789 To Present. 3 Credits.**
A survey of modern France from the Revolutionary era through the turbulent 19th century to the post-World War II recovery. Major themes include the social cultural political, and economic aspects of modern and contemporary France. Gen Ed Attribute: Foreign Language Culture Cluster, France & Francophone Area Culture Cluster. Typically offered in Fall & Spring.

**HIS 428. History Of Spain. 3 Credits.**
This course will explore the major issues pertaining to developments in Europe in the "long 19th century", roughly from 1879 to 1918. Topics include the impact of the French Revolution and the Napoleonic wars on European life, the industrial and political revolutions of the century, and the advent of liberalism, socialism, nationalism, feminism, and imperialism.

**HIS 435. European Intellectual History Since 1800. 3 Credits.**
B.A. IN HISTORY

Language Requirement
Demonstrating language proficiency through the intermediate level (202). 0-12

Major Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>HIS 101</td>
<td>History of Civilization I</td>
<td>3</td>
</tr>
<tr>
<td>HIS 102</td>
<td>History of Civilization II</td>
<td>3</td>
</tr>
<tr>
<td>HIS 151</td>
<td>History of the United States I</td>
<td>3</td>
</tr>
<tr>
<td>HIS 152</td>
<td>History of the United States II</td>
<td>3</td>
</tr>
<tr>
<td>HIS 300</td>
<td>Varieties of History</td>
<td>3</td>
</tr>
</tbody>
</table>

History Field of Study
Students choose one of the three primary fields of study listed below: 24

- American history primary field of study
- European history primary field of study
- World/regional history primary field of study

Related/Cognate Requirements
Under advisement, students take three courses in at least two disciplines related to history (such as American studies, anthropology, art history, economics, geography, literature, music history, philosophy, political science, psychology, sociology, and women’s and gender studies). These courses are in addition to those taken to fulfill general education requirements.

Electives
Additional Free Electives to complete 120 semester hours 12-24

Students in the bachelor of arts in history program can complete an elective course of studies that will lead to social studies teacher certification. See department adviser for details.

Total Minimum Credits Required 120

American History Primary Field of Study

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>HIS 102</td>
<td>History of Civilization II</td>
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</tr>
<tr>
<td>HIS 152</td>
<td>History of the United States II</td>
<td>3</td>
</tr>
<tr>
<td>HIS 400</td>
<td>Seminar in History</td>
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</table>

Total Credits 24

European History Primary Field of Study

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>HIS 101</td>
<td>History of Civilization I</td>
<td>3</td>
</tr>
<tr>
<td>HIS 151</td>
<td>History of the United States I</td>
<td>3</td>
</tr>
<tr>
<td>HIS 400</td>
<td>Seminar in History</td>
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Total Credits 24

World/Regional History Primary Field of Study

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<tbody>
<tr>
<td>HIS 308</td>
<td>Seminar in History</td>
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</table>

Total Credits 24

United States History Courses

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<tr>
<th>Course</th>
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<tr>
<td>HIS 329</td>
<td>Gender and Peace</td>
<td>3</td>
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<tr>
<td>HIS 343</td>
<td>Colonial America</td>
<td>3</td>
</tr>
<tr>
<td>HIS 344</td>
<td>History of Pennsylvania</td>
<td>3</td>
</tr>
<tr>
<td>HIS 352</td>
<td>Modern American Military History</td>
<td>3</td>
</tr>
<tr>
<td>HIS 356</td>
<td>U.S. Environmental History</td>
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</tr>
<tr>
<td>HIS 357</td>
<td>Diplomatic History of the United States</td>
<td>3</td>
</tr>
<tr>
<td>HIS 360</td>
<td>Technology and American Life</td>
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</tr>
<tr>
<td>HIS 361</td>
<td>Constitutional History of the United States</td>
<td>3</td>
</tr>
<tr>
<td>HIS 362</td>
<td>Violence in America</td>
<td>3</td>
</tr>
<tr>
<td>HIS 364</td>
<td>U.S. Urban History</td>
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2018-2019 UNDERGRADUATE CATALOG 309
**European History Courses**

<table>
<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
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<tbody>
<tr>
<td>HIS 318</td>
<td>The Ancient World</td>
<td>3</td>
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<tr>
<td>HIS 319</td>
<td>Medieval Europe</td>
<td>3</td>
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<tr>
<td>HIS 320</td>
<td>Renaissance and Reformation</td>
<td>3</td>
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<td>HIS 323</td>
<td>Austrian Civilization</td>
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<tr>
<td>HIS 324</td>
<td>Imperial Russia</td>
<td>3</td>
</tr>
<tr>
<td>HIS 328</td>
<td>The French Revolution and Napoleon</td>
<td>3</td>
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<td>HIS 329</td>
<td>Gender and Peace</td>
<td>3</td>
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<tr>
<td>HIS 331</td>
<td>20th Century Europe</td>
<td>3</td>
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<tr>
<td>HIS 332</td>
<td>The Holocaust</td>
<td>3</td>
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<tr>
<td>HIS 390</td>
<td>History on the Web</td>
<td>3</td>
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<tr>
<td>HIS 398</td>
<td>Topics in European History</td>
<td>3</td>
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<td>HIS 410</td>
<td>Independent Study in History</td>
<td>1-3</td>
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<tr>
<td>HIS 414</td>
<td>History of Health and Medicine</td>
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<td>HIS 415</td>
<td>History of Science</td>
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<td>HIS 417</td>
<td>The Jews in History</td>
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<tr>
<td>HIS 421</td>
<td>History of England to 1688</td>
<td>3</td>
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<tr>
<td>HIS 422</td>
<td>History of England Since 1688</td>
<td>3</td>
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<tr>
<td>HIS 423</td>
<td>Modern Germany</td>
<td>3</td>
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<td>HIS 424</td>
<td>World of Communism</td>
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<td>HIS 425</td>
<td>Twentieth-Century Russia</td>
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<td>HIS 427</td>
<td>Modern France: 1789 to Present</td>
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<td>History of Spain</td>
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<td>HIS 434</td>
<td>19th Century Europe</td>
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<td>HIS 435</td>
<td>European Intellectual History Since 1800</td>
<td>3</td>
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<tr>
<td>HIS 450</td>
<td>Internship In History</td>
<td>1-3</td>
</tr>
<tr>
<td>HIS 458</td>
<td>History of the Cold War</td>
<td>3</td>
</tr>
<tr>
<td>HIS 460</td>
<td>Field Studies In History</td>
<td>3</td>
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<tr>
<td>HIS 480</td>
<td>Digital History</td>
<td>3</td>
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**World/Regional Courses**

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>HIS 302</td>
<td>Modern India</td>
<td>3</td>
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<tr>
<td>HIS 305</td>
<td>Modern China</td>
<td>3</td>
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<tr>
<td>HIS 306</td>
<td>Chinese Civilization</td>
<td>3</td>
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<tr>
<td>HIS 308</td>
<td>Introduction to the Islamic World</td>
<td>3</td>
</tr>
<tr>
<td>HIS 311</td>
<td>History of Africa to 1875</td>
<td>3</td>
</tr>
<tr>
<td>HIS 312</td>
<td>History of Africa Since 1875</td>
<td>3</td>
</tr>
<tr>
<td>HIS 314</td>
<td>Latin American Women's History</td>
<td>3</td>
</tr>
<tr>
<td>HIS 315</td>
<td>Colonial Latin America</td>
<td>3</td>
</tr>
<tr>
<td>HIS 316</td>
<td>Modern Latin America</td>
<td>3</td>
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<tr>
<td>HIS 317</td>
<td>History of Mexico</td>
<td>3</td>
</tr>
<tr>
<td>HIS 318</td>
<td>The Ancient World</td>
<td>3</td>
</tr>
<tr>
<td>HIS 349</td>
<td>The Jew in History</td>
<td>3</td>
</tr>
<tr>
<td>HIS 375</td>
<td>A History of the Arab-Israeli Conflict</td>
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<td>HIS 380</td>
<td>History of U.S. Involvement in the Middle East</td>
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<td>HIS 390</td>
<td>History on the Web</td>
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<td>HIS 397</td>
<td>Topics in World History</td>
<td>3</td>
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<td>HIS 407</td>
<td>History of Brazil</td>
<td>3</td>
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<td>HIS 410</td>
<td>Independent Study in History</td>
<td>1-3</td>
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<td>HIS 411</td>
<td>Middle East to 1700</td>
<td>3</td>
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<tr>
<td>HIS 412</td>
<td>Middle East since 1600</td>
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<td>HIS 415</td>
<td>History of Science</td>
<td>3</td>
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<td>HIS 424</td>
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<td>HIS 480</td>
<td>Digital History</td>
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</tbody>
</table>

**Sample Course Plan**

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

<table>
<thead>
<tr>
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<tr>
<td>WRT 120</td>
<td>Effective Writing I</td>
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<tr>
<td>HIS 152</td>
<td>History of the United States II</td>
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<tr>
<td>Social Science General Education Course</td>
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<tr>
<td>Arts General Education Course</td>
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<td>Language 101</td>
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**Semester Two**

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<tbody>
<tr>
<td>WRT Course</td>
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<tr>
<td>HIS 101</td>
<td>History of Civilization I</td>
<td>3</td>
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<tr>
<td>HIS 151</td>
<td>History of the United States I</td>
<td>3</td>
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<tr>
<td>MAT 103</td>
<td>Introduction to Mathematics (or higher)</td>
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<td>Language 102</td>
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<td>Credits</td>
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**Year Two**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>HIS 300</td>
<td>Varieties of History</td>
<td>3</td>
</tr>
<tr>
<td>HIS 102</td>
<td>History of Civilization II</td>
<td>3</td>
</tr>
<tr>
<td>Literature or Philosophy Course</td>
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<td>Free Elective (optional minor)</td>
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<td>Language 201</td>
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</table>
### Semester Four
- HIS 300/400 level: 3
- Science General Education Course: 3
- SPK 208: Public Speaking (or other): 3
- Free Elective (optional minor): 3
- Language 202: 3

**Credits**: 15

### Year Three

#### Semester Five
- HIS 300/400 level: 3
- HIS 300/400 level: 3
- Cognate Course: 3
- Science General Education Course: 3
- Diverse Communities Course: 3

**Credits**: 15

#### Semester Six
- HIS 300/400 level: 3
- HIS 300/400 level: 3
- Cognate Course: 3
- Science General Education Course: 3
- Free Elective (optional minor): 3

**Credits**: 15

### Year Four

#### Semester Seven
- HIS 300/400 level: 3
- HIS 300/400 level: 3
- Cognate Course: 3
- Free Elective (optional minor): 3
- Free Elective (optional minor): 3

**Credits**: 15

#### Semester Eight
- HIS 400: Seminar in History: 3
- Interdisciplinary Course: 3
- Philosophy or Literature Course: 3
- Free Elective (optional minor): 3
- Free Elective (optional minor): 3

**Credits**: 15

**Total Credits**: 120

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### B.A. IN HISTORY - AMERICAN STUDIES CONCENTRATION

**College of Arts and Humanities**

### Curriculum

**General Education Requirements**
- English Composition requirements: 6
- Mathematics requirement: 3
- Public Speaking requirement: 3
- Science requirements: 6
- Behavioral & Social Science requirements: 6
- Humanities requirements: 6
- Arts requirement: 3
- Diverse Communities requirement: 3
- Interdisciplinary requirement: 3
- Student Electives: 9
- Writing Emphasis requirements: 9

**Language Requirement**
- Demonstrating language proficiency through the intermediate level (202): 3-12

**Major Requirements**
- HIS 101: History of Civilization I: 3
- HIS 102: History of Civilization II: 3
- HIS 151: History of the United States I: 3
- HIS 152: History of the United States II: 3
- HIS 300: Varieties of History: 3

**Upper-division History Electives**
- AMS/HIS 367: American Material Culture: 3
- Two U.S. history courses: 6
- One European history elective: 3
- One world/regional history elective: 3
- Capstone course requirement satisfied with a senior project, internship, or independent study in American studies: 3

**Other American Studies Requirements**
- AMS 200: American Civilization: 3
- LIT 201: American Literature II: 3
- Three 300-/400-level American-themed courses from at least two of the following disciplines: anthropology, art history, economics, geography, literature, music history, philosophy, political science, psychology, sociology, and women’s and gender studies: 9

**Note:** These courses are in addition to those taken to fulfill general education requirements.

**Free Electives**
- As many free electives as needed to complete the 120 credits required for graduation: 12-24

**Sample Course Plan**

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year One</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Semester One</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WRT 120</td>
<td>Effective Writing I</td>
<td>3</td>
</tr>
<tr>
<td>HIS 151</td>
<td>History of the United States I</td>
<td>3</td>
</tr>
<tr>
<td>Social Science General Education Course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Arts General Education Course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Language 101</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td></td>
<td><strong>15</strong></td>
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</table>

<table>
<thead>
<tr>
<th>Semester Two</th>
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<tbody>
<tr>
<td>WRT ____</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>HIS 152</td>
<td>History of the United States II</td>
<td>3</td>
</tr>
<tr>
<td>AMS 200</td>
<td>American Civilization</td>
<td>3</td>
</tr>
<tr>
<td>MAT 103</td>
<td>Introduction to Mathematics (or higher)</td>
<td>3</td>
</tr>
<tr>
<td>Language 102</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

| Year Two    |                                        |         |
| Semester Three |                                  |         |
| LIT 200     | American Literature I                 | 3       |
| HIS 101     | History of Civilization I             | 3       |

**Total Minimum Credit Requirement**

---

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### MINOR IN HISTORY

**College of Arts and Humanities**

Students may obtain minor recognition on their transcript so that their concentrated choice of free electives will be recognized.

**Required Courses**

Select one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIS 100</td>
<td>Global History since 1900</td>
<td>3</td>
</tr>
<tr>
<td>HIS 101</td>
<td>History of Civilization I</td>
<td></td>
</tr>
<tr>
<td>HIS 102</td>
<td>History of Civilization II</td>
<td></td>
</tr>
</tbody>
</table>

**Year Three**

**Semester Four**

HIS 102  
History of Civilization II  
3

SPK 208  
Public Speaking (or other)  
3

LIT 201  
American Literature II  
3

HIS 300  
Varieties of History  
3

Language 202  
3

Credits  
15

**Year Four**

**Semester Seven**

HIS 150  
The American Experience  
3

HIS 151  
History of the United States I  
3

HIS 152  
History of the United States II  
3

**Electives**

Choose under advisement four 300- and/or 400-level courses from three groups: United States, European, World/Regional History (six semester hours in one group; three semester hours in each of the others)

Total Credits  
12

This minor may be taken as one of the minors in the bachelor of arts or bachelor of science in liberal studies general degree program.

### ELECTIVE SOCIAL STUDIES TEACHER CERTIFICATION

**College of Arts and Humanities**

The program of study is designed to assure that prospective social studies teachers possess the knowledge, capabilities, and dispositions associated with the concepts, tools of inquiry, and structures of the disciplines that make up social studies education, and that they are able to create learning experiences which make these aspects of the subject matter meaningful for learners. The course of study emphasizes ten thematic strands:

- Culture and cultural diversity
- Time, continuity, and change
- People, places, and environment
- Individuals, groups, and institutions
- Power, authority, and government
- Production, distribution, and consumption
- Science, technology, and society
- Global connections
- Civic ideals and practices
- Individual development and identity

**Program of Study**

Students interested in teaching social studies education in secondary schools may pursue a bachelor of arts in history while earning state certification in social studies education. West Chester University’s program, which requires up to 132 credits, is accredited by the Pennsylvania Department of Education, the National Council for the Social Studies, and the National Council for Accreditation of Teacher Education.

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDA 103</td>
<td>Foundations of Special Education</td>
<td>3</td>
</tr>
<tr>
<td>EDA 304</td>
<td>Special Ed Processes/Procedures for Secondary Educators</td>
<td>3</td>
</tr>
<tr>
<td>SSC 331</td>
<td>Methods of Teaching Secondary Social Studies</td>
<td>3</td>
</tr>
<tr>
<td>HIS 444</td>
<td>History of American Education</td>
<td>3</td>
</tr>
<tr>
<td>EDM 349</td>
<td>Technology Tools to Transform Teaching and Learning</td>
<td>1</td>
</tr>
<tr>
<td>EDP 250</td>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>EDP 355</td>
<td>Assessment For Learning 7-12</td>
<td>3</td>
</tr>
<tr>
<td>EDR 347</td>
<td>Literacy Development and Secondary Students with Disabilities in Inclusive Classrooms</td>
<td>3</td>
</tr>
<tr>
<td>EDS 306</td>
<td>Teaching Principles and Field Experience in Secondary Schools</td>
<td>3</td>
</tr>
<tr>
<td>EDS 411</td>
<td>Student Teaching Sec - 1st Half</td>
<td>6</td>
</tr>
<tr>
<td>EDS 412</td>
<td>Student Teaching Sec - 2nd Half</td>
<td>6</td>
</tr>
</tbody>
</table>
LAN/ENG 382 Teaching English Language Learners PK-12 3

Total Minimum Credits Required 40

HOLOCAUST AND GENOCIDE STUDIES PROGRAM

College of Arts and Humanities

Overview
409 Main Hall
West Chester University
West Chester, PA 19383
610-436-2789
610-436-2345
Department of Holocaust and Genocide Studies (http://www.wcupa.edu/holocaustStudies)
Jonathan Friedman (jfriedman@wcupa.edu), Director

Programs

Minors in Holocaust and Genocide Studies
- Holocaust Studies (p. 313)

Graduate Opportunities
See the graduate catalog for more information on the Holocaust and Genocide Studies programs. (http://catalog.wcupa.edu/graduate/arts-humanities/holocaust-genocide-studies)

Policies
- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

Faculty

Professors
Mary P. Brewster (mbrewster@wcupa.edu) (1993)
Chairperson, Criminal Justice
B.A., St. Joseph's College; M.A., Fordham University; Ph.D., Rutgers University
Kevin W. Dean (kdean@wcupa.edu) (1990)
Director, Honors College
Chairperson, Honors College
B.S., Bowling Green University; M.A., Miami University of Ohio; Ph.D., University of Maryland
Jonathan Friedman (jfriedman@wcupa.edu) (2002)
Director, Holocaust and Genocide Studies
Graduate Coordinator, Holocaust and Genocide Studies
B.A., Kent State University; M.A., Ph.D., University of Maryland - College Park
Paul D. Green (pgreen@wcupa.edu) (1971)
A.B., Temple University; A.M., Ph.D., Harvard University
Lisa A. Kirschenbaum (lkirschenbaum@wcupa.edu) (1996)
A.B., Brown University; M.A., Ph.D., University of California, Berkeley
Margarete J. Landwehr (mlandwehr@wcupa.edu) (1992)
Graduate Coordinator, Languages and Cultures
B.S., Georgetown University; M.A., Ph.D., Harvard University

David G. Levasseur (dlevasseur@wcupa.edu) (1997)
B.A., M.A., University of Maryland-College Park; Ph.D., University of Kansas
Deborah Mahlstedt (dmahlstedt@wcupa.edu) (1988)
B.S., State University of New York at Rockport; M.Ed., Ph.D., Temple University
Frauke I. Schnell (fschnell@wcupa.edu) (1992)
Chairperson, Political Science
B.A., University of Tuebingen (Germany); M.A., Ph.D., State University of New York at Stony Brook
Jasmin Tahmaseb-McConatha (jmconatha@wcupa.edu) (1990)
B.A., University of Utah; M.S., Jacksonville State University; Ph.D., University of Georgia
Joan Woolfrey (jwoolfrey@wcupa.edu) (2000)
B.S., North Dakota State University; M.A., The New School for Social Research; Ph.D., University of Oregon

Associate Professors
Brenda L. Gaydosh (bgaydosh@wcupa.edu) (2013)
Graduate Coordinator, History
B.S., Allentown College of St. Francis de Sales; M.A., West Chester University; Ph.D., American University
Brian F. O’Neill (boneill@wcupa.edu) (1998)
B.A., University of Pittsburgh; M.S.W., Marywood College; Ph.D., City University of New York

Courses
Course titles and descriptions for Holocaust and Genocide Studies are listed under the relevant departments.

MINOR IN HOLOCAUST STUDIES

College of Arts and Humanities

Curriculum
The program in holocaust studies deals not only with historical aspects of the holocaust, but also with moral and political issues involved in the prevention of future holocausts.

This minor may be taken as one of the minors in the bachelor of arts or bachelor of science in liberal studies general degree program. For advising in holocaust studies, contact Dr. Jonathan Friedman, 610-436-2972.

Required Courses
HIS 332 The Holocaust 3
HIS 349 The Jew in History 3
PHI 180 Introduction to Ethics 3

Elective Courses
Select three of the following: 9

- ANT 220 Cultures of Ethnic Groups in America
- HIS 423 Modern Germany
- LIT 304 American Jewish Novel
- PSC 352 Constitutional Law II: Civil Liberties and Civil Rights
- PSC 322 Public Opinion, Media and Politics
- PSY 254 Social Psychology
- SOC 335 Racial and Cultural Minorities
- SWO 225 Race Relations

Total Credits 18

HONORS COLLEGE

School of Interdisciplinary and Graduate Studies
703 S. High Street
610-436-2996

2018-2019 UNDERGRADUATE CATALOG 313
HONORS COLLEGE

610-436-2620 (fax)
Honors College [http://www.wcupa.edu/honorsCollege]
honors@wcupa.edu (e-mail)
Kevin W. Dean (kdean@wcupa.edu), Director and Chairperson
Gerardina Martin (gmartin@wcupa.edu), Assistant Director
Michelle Wills (mwill@wcupa.edu), Administrative Assistant

Associated Teaching Faculty
Michael Bell, Early and Middle Grades Education
Richard Burns, Computer Science
Anita K. Foeman, Communication and Media
Joy Fritschle, Geography
Charles A. Hardy, History
John Helion, Kinesiology
Robert Maggio, Music, Theory and Composition
Joshua Mason, Philosophy
Donald McCown, Health
Matthew Meier, Communication and Media
Paul Morgan, Educational Foundations and Policy Studies
Margaret Niller, Languages and Cultures
Jeremy Phillips, Public Policy and Administration
Matthew Pierlott, Philosophy
Denise K. Polk, Communication and Media
Ruth Porritt, Philosophy
Harvey Rovine, Theatre and Dance
Dana Simone, Educational Foundations and Policy Studies
Victoria Tischio, English
Eryn Travis, Communication and Media
Maria Urrutia, Theatre and Dance
Joan M. Welch, Geography

Advisory Board
Erica Knorr, Honors Student Association (President)
Lauren Lang, Office of Admissions
Matthew Leinhäuser, Honors Student Association (Vice-President)
Peter Loedel, Center for International Programs
Steven T. Savage, Honors Alumni Association
Leigh Shaffer, Anthropology and Sociology (Emeritus)
Charles Warner, Student Affairs
Donna Usher, Art (Honorary)
Matthew J. Whitall, Honors Alumni Association (President)

Honors College Mission
Modeling a commitment to liberal arts and cross-disciplinary education, the Honors College celebrates outstanding students and encourages them to strive for a high level of academic excellence. The college prepares students to become forces for positive change in the life of the campus and the broader community through scholarship, co-curricular activities, service, teamwork, and leadership. The college motivates students to examine and refine character, become active citizens, and value life-long learning. With the motto, “To Be Honorable Is to Serve,” honors is about the business of preparing leaders for the 21st century.

The University provides to students with outstanding achievements in scholarship, community service, the arts, and/or leadership the opportunity to participate in a challenging honors curriculum and to receive appropriate recognition when they complete the requirements. The Honors College aims to provide an inviting environment for academically gifted and highly motivated students to interact and form a learning community of peers, faculty, administrators, and staff that will challenge and enrich the students’ college experience. Grounded in the liberal arts tradition, the Honors College seeks cross-disciplinary connections in order to develop students’ natural intellectual abilities and to challenge them to employ those gifts on behalf of the larger community. For this reason, the West Chester University Honors College considers “honors” to be more than a matter of strong grades; it implies a decision to use knowledge as an active problem solver in both the campus community and in the world. To that end, the Honors College seeks to build character and foster a commitment to lifelong learning that prepares leaders for the 21st Century.

Honors College membership comprises students with outstanding achievements in scholarship, community service, the arts, and/or leadership. Membership in honors is highly competitive with a maximum of 40 seats open to entering freshmen each fall. Current membership includes students from 61 different academic majors. Incoming freshmen are invited to apply to the college if they have a minimum 1200 SAT (combined math and verbal score) and a combination of the following:

1. Minimum high school GPA of 3.5
2. Top 20 percent of their graduating class
3. A record of achievement in high school honors/AP courses

Candidates are reviewed and selected on the basis of commitment to service, leadership potential, and fit with the college’s philosophy. Membership in the Honors College enables students to enhance their strengths through a specially designed 27-hour core of cross-disciplinary courses that, with one additional course in both mathematics and science, meet general education requirements for honors students. Cross-disciplinary means that all courses in the core contain information drawn from a minimum of two academic disciplines. The honors core incorporates 100-, 200-, and 300-level courses. Students complete three courses at the 100/200 level, during their first year in the college, focusing on personal development, including physical and psychological well-being, communication, and ethics and morality in a technological age. Courses at the 300 level, completed by the middle of the student’s third year, build upon the learner’s knowledge of self and address broader perspectives of community and social change. Learners study significant historical and contemporary figures, literary works, and the context in which they helped model society. Students become aware of the economic realities that impact change and discover how
educational and political structure, science, and the fine arts influence society. Honors certification is awarded upon completion of the core 27 hours; one course in mathematics (we strongly recommend statistics for those majors without a specific mathematics requirement); one course in general education approved science; two upper-level, cross-disciplinary honors seminars; and a capstone project. Students completing the full honors curriculum receive designation on their University transcript and the right to wear a medallion of achievement at commencement. Recognition at commencement is based on the student's academic record as of the completed semester prior to commencement.

In order to be in good standing with the Honors College, students must maintain a 3.25 cumulative GPA, be active in a minimum of one campus co-curricular activity, and regularly register for the sequence of honors core courses and seminars. Failure to maintain these requirements will cause the student to be placed on probation from honors and may lead to his or her dismissal from the College.

College probation and dismissal follow these procedures: Once a student in the Honors College has earned 31 credit hours, his or her cumulative GPA will be reviewed. If the student's average is below a 3.0, the student will be dropped from the Honors College. If a student's average is below a 3.25 but not below a 3.0, the student will be placed on Honors College probation for two semesters, during which time the student is expected to raise his or her cumulative GPA to a 3.25. If at the end of the two semesters the cumulative GPA is not a 3.25 or higher, the student will be dismissed from the college. Students also may be placed on probation if they are not actively participating in a minimum of one campus co-curricular activity or if they are not regularly registering for and completing the sequence of honors core courses and seminars. No student will be eligible for honors transcript recognition without maintaining a 3.25 cumulative GPA upon completion of the Honors College’s required elements. A minimum grade of C+ must be earned in all honors course work that is counted towards graduation.

Students dismissed from the Honors College may seek reinstatement by contacting the College's director. Students may appeal the dismissal or probationary action for extraordinary circumstances by contacting the Honors Director who will take the appeal before the Honors Council for a final decision. Any student who is dismissed from Honors or voluntarily chooses to leave the College may not seek admission to the seminar program.

Specially designated honors housing exists in Allegheny Hall. The living-learning community comprises a critical component of the WCU honors experience. All first year students live in the honors designated residency and are afforded the opportunity to retain space throughout their undergraduate program of study.

The Honors College actively promotes faculty mentored undergraduate student research which may lead to poster or paper presentations at local, state, regional, national and international contexts or to publication. Students engage in grant writing skill development and gain clearance certification in human subject research. Honors hosts a campus wide Graduate School Fair and a professional development seminar, providing students encouragement in seeking opportunities for post baccalaureate professional and/or graduate study leading towards advanced degrees.

An intentional focus on leadership in a global community is evident by a continuing partnership in South Africa. A seminar-based research/service course, incorporating international travel, ideally occurs in spring of even-numbered years. A leadership theories course, offered each fall, draws lessons from the South Africa transformations from apartheid to democracy. Aid to South Africa has become the signature philanthropic program of the Honors College. The annual event offers educational exhibits and raises funds in support of HIV/AIDS afflicted children in South Africa.

Fulfillment of the Honors College’s mission to service comes primarily through a vibrant Honors Student Association (H.S.A.), the co-curricular arm of the honors experience. The H.S.A. provides students a myriad of opportunities to put leadership theory into practice for the service of others. Students witness their abilities to enact change through their efforts in civic engagement. Students who document a minimum of 250 documented hours qualify as Donna M. Carney Service Scholars.

**Programs**

**Programs in Honors College**
- Honors College Program (p. 317)

**Minors in Honors College**
- Civic and Professional Leadership (p. 318)

**Certificates in Honors College**
- Honors Seminar (p. 319)

**Policies**
- See undergraduate admissions information. (p. 11)
- See academic policies. ([http://catalog.wcupa.edu/undergraduate/academic-policies-procedures](http://catalog.wcupa.edu/undergraduate/academic-policies-procedures))

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

**Admissions Policies**

**Minor in Civic and Professional Leadership**
Students must complete either HON 110 or CPL 120 before applying to the minor.

**Honors Seminar Certificate**
Current and transfer students, who have earned a minimum of 30 credits and a minimum 3.25 cumulative GPA, may apply for this certificate program.

**Program Requirement Completion Policies**

**Minor in Civic and Professional Leadership**
Students may obtain minor recognition on their transcript through completion of 18 credits of coursework and 3 credits of pass/fail for completion of 6 co-curricular competencies. Students must have:
1. An overall 2.5 GPA in the minor at the completion of coursework,
2. Earned a grade of C or higher in all courses counted towards the minor, and
3. Have verification of completion of a minimum of six co-curricular competencies, as documented in the student's co-curricular portfolio.

**Other Policies**

**Minor in Civic and Professional Leadership**
Students must earn a C or higher in all courses counted towards the minor.

**Honors Seminar Certificate**
Aside from the required coursework, students must also demonstrate active contributions and service to co-curricular elements of the campus community.
Faculty
Professor
Kevin W. Dean (kdean@wcupa.edu) (1990)
Director, Honors College
Chairperson, Honors College
B.S., Bowling Green University; M.A., Miami University of Ohio; Ph.D., University of Maryland

Assistant Professors
Mark Hickman (mhickman@wcupa.edu) (2009)
B.A., Marshall University; M.A., Miami University of Ohio
Gerardina L. Martin (gmartin@wcupa.edu) (2013)
Assistant Director, Honors College
B.S., M.M., M.A., West Chester University; M.A.Ed., University of Phoenix

Courses
CPL

CPL 120. Leadership Theories for Today's Society. 3 Credits.
Introduction to the study of leadership theory and practice as it relates to the students' civic and professional development. The course content places special emphasis on leadership practices and the relationship between leaders and followers inspired by social inequities surrounding issues of race, ethnicity, class, gender and inclusion.
Gen Ed Attribute: Diversity Requirement.
Typically offered in Spring.

CPL 301. Contemporary Challenges in Business Leadership. 3 Credits.
One of six junior-senior level seminars students may select from to fulfill the CPL minor.
Students reflect on their personal leadership development to date. CPL 301 gives specific focus to the range of contemporary leadership challenges and opportunities within the multi-faceted fields of business.

CPL 302. Contemporary Challenges in Political Leadership. 3 Credits.
One of six junior-senior level seminars students may select from to fulfill the CPL minor.
Students reflect on their personal leadership development to date. CPL 302 gives specific focus to the range of contemporary leadership challenges and opportunities within the multi-faceted fields of community development and politics.
Pre / Co requisites: CPL 302 requires prerequisites of CPL minor, Junior/Senior status, and completion of one of the following: CRJ 110, HIS 150, HON 310, MAT 161, PSC 100, SOC 200, SWO 225, or corequisites of CHE 371, COM 340, PHI 355.

CPL 303. Contemporary Challenges in Educational Leadership. 3 Credits.
One of six junior-senior level seminars students may select from to fulfill the CPL minor.
Students reflect on their personal leadership development to date. CPL 303 gives specific focus to the range of contemporary leadership challenges and opportunities within the multi-faceted fields and contexts of education.

CPL 304. Contemporary Challenges in Arts Leadership. 3 Credits.
One of six junior-senior level seminars students may select from to fulfill the CPL minor.
Students reflect on their personal leadership development to date. CPL 304 gives specific focus to the range of contemporary leadership challenges and opportunities within the multi-faceted fields of the Arts and Art Administration.

CPL 305. Contemporary Challenges in Public Health Leadership. 3 Credits.
One of six junior-senior level seminars students may select from to fulfill the CPL minor.
Students reflect on their personal leadership development to date. CPL 305 gives specific focus to the range of contemporary leadership challenges and opportunities within the multi-faceted fields of public health.

CPL 306. Contemporary Challenges in Science, Technology, Engineering and Mathematics (STEM) Leadership. 3 Credits.
One of six junior-senior level seminars students may select from to fulfill the CPL minor.
Students reflect on their personal leadership development to date. CPL 306 gives specific focus to the range of contemporary leadership challenges and opportunities within the multi-faceted fields of science, technology, engineering and mathematics; the STEM programs.
Pre / Co requisites: CPL 306 open to CPL minors only, 60+ earned credits, and one of the following: BIO 230, CHE 101, CHE 103, CHE 107, COM 201, CSC 110, CSC 115, CSC 141, HON 314, MAT 121, MAT 162, MAT 301, PHI 125, PHY 125, PHY 100, PHY 130, PHY 170.
Typically offered in Fall.

CPL 399. Leadership Theory to Practice. 3 Credits.
Students will identify and document six leadership competencies in a co-curricular portfolio in collaboration with the Division of Student Affairs. Competencies will be assessed in the semester in which they are submitted. Students in the CPL minor must have documented a minimum of three competencies by the end of their junior year and all six competencies by the fifth week of their final semester. Students may enroll in pass/fail in the semester in which they intend to submit documentation of their final competency for assessment.
Consent: Permission of the Department required to add.

HON

HON 100. Self-Awareness and Development. 3 Credits.
Focus on methods individuals use to develop skills in the physical, cognitive, emotional, and social aspect of life. A holistic approach to both physical and mental aspects will be addressed. Methods for enhancement and maintenance of strengths will be discussed as well as approaches to risk taking.
Typically offered in Fall.

HON 110. Civic Engagement and Theories of Leadership. 3 Credits.
Introduction to the interdisciplinary study of leadership theory and civic engagement through the use of films as case studies. The course content places special emphasis on leadership practices and the relationships between leaders and followers inspired by social inequities surrounding issues of race, ethnicity, class, gender and inclusion.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Fall.

HON 211. Decision Making and Public Discourse. 3 Credits.
Examination of the role of ethical dialogue and debate in public policy making of rotating topics such as the environment or health care. Emphasis on logic and critical thinking as key roles in identifying problems, devising solutions, and evaluating proposed policies. Consistent with the emphasis on the public forum, students will develop public speaking and critical listening skills.
Typically offered in Spring.

HON 212. Ethics and Moral Choice in Tech Age. 3 Credits.
Approaches to ethical recommendation and moral decision-making processes. Engagement of the scientific approach by using case studies from genetics, ecology, physics, chemistry, and computer science to allow students to confront ways traditional views of ethics and moral decision making apply to a contemporary world.
Typically offered in Spring.

HON 310. Theories and Strategies of Community Change. 3 Credits.
Spectrum of approaches to social change and significant figures who make these changes possible. Works of historical and sociological literature, including biographies and autobiographies of key figures, will be identified as a basis for observation of how thinkers of the past identified key issues and articulated solutions to these problems.
Typically offered in Spring.

HON 311. Stewardship and Civic Engagement. 3 Credits.
Foundations of market and nonmarket economies as they relate to good stewardship and civic responsibility. Fusing literature and economics, the values and limitations of market capitalism and command socialism will be addressed.
Typically offered in Fall.

HON 312. Educational Systems and Social Influence. 3 Credits.
An introduction to philosophy, history, and sociology of American education. The evolution of the school as an institution in a democratic society; its relationships to issues dealing with race, class, gender and ethnicity; the geographical implications the school has for the community and vice versa; the degree to which school should and/or can serve as agents for social change.
Gen Ed Attribute: Diversity Requirement.
Typically offered in Fall.

HON 313. American Government, Democracy and Public Opinion. 3 Credits.
Influence of the role of public opinion in a democracy by examination of how individuals form their opinions and how those opinions influence government and public policy making. Such areas as government structure, political thought, and sociologic and geographic influences will be covered.
Typically offered in Fall.
HON 314. Science, Technology and Environmental Systems. 3 Credits.
LEC (3), LAB (0)
Impact of technology and the environment as forces of influence on communities. The lab course will combine a historical overview with a contemporary focus on ways the science community is developing and regulating ideas for the future. Laboratory field experiences will involve data collection and observation in a variety of environmental contexts.
Typically offered in Spring.

HON 315. Community and the Arts. 3 Credits.
Investigation of the arts as agents of social change and influence. Significant historical and contemporary works from art, dance, music, and theatre will be identified for case analysis.
Typically offered in Fall.

HON 320. Honors Seminar: Global Issues. 3 Credits.
Special topics involving study at an international location. Subject matter rotates and is determined by the honors director and the Honors Council through competitive submission from University faculty.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Spring.
Repeatable for Credit.

HON 322. Developing Leadership with ELLs in the Classroom & Community. 3 Credits.
The study of issues, leadership challenges and strategies for the effective teaching of English Language Learners (ELLs) in Pre-K-12 classrooms and for effective communicating with ELLs in the community.
Gen Ed Attribute: Diversity Requirement.
Typically offered in Fall.

HON 340. Pathways to Professional Leadership. 0.5-1 Credits.
Research, creative projects, reports and readings in preparation for post-undergraduate experiences such as graduate or professional schools fellowships and assistantships. Junior standing. May not be used towards seminar requirements for Honors. Honors College members or permission of the Director of Honors Program.
Typically offered in Spring.
Repeatable for Credit.

HON 341. Civic Engagement. 1 Credit.
Group processing, reflection and assessment of service learning projects related to Bonner Leader Program and/or approved civic engagement project. Sophomore standing. May be taken four semesters. May not be used towards seminar requirements for Honors. Permission of the Director of Honors.
Consent: Permission of the Department required to add.
Typically offered in Fall & Spring.
Repeatable for Credit.

HON 351. Honors Seminar. 3 Credits.
First of two special topics offered fall semester. Subject matter rotates and is determined by the Honors director and the Honors Council through competitive submission from University faculty.
Typically offered in Spring.
Repeatable for Credit.

HON 352. Honors Seminar. 3 Credits.
First of two special topics offered spring semester. Subject matter rotates and is determined by the Honors director and the Honors Council through competitive submission from University faculty.
Typically offered in Fall.
Repeatable for Credit.

HON 353. A Nobel Idea: The Norway Experience for Promoting Peace and Developing Leaders. 3 Credits.
Exploration of strategies leaders employ as they seek the establishment of peace. Case studies are drawn from Nobel Peace Laureates.
Typically offered in Summer.

HON 355. Environmental Stewardship. 3 Credits.
Exploration of climate change in the northern hemisphere over the past thousand years, focusing on Norway, the United States, and the North Atlantic world and the challenges leaders face in environmental stewardship.
Typically offered in Summer.

HON 381. Symposium in the Arts and Humanities. 3 Credits.
Investigation of leadership issues as they are found within special topics in the arts and humanities.
Repeatable for Credit.

HON 382. Symposium in Social and Behavioral Science. 3 Credits.
Investigation of leadership issues as they are found within special topics in the social and behavioral sciences.
Repeatable for Credit.

HON 383. Symposium in the Sciences. 3 Credits.
Investigation of leadership issues as they are found within special topics in the sciences.
Gen Ed Attribute: Writing Emphasis.
Repeatable for Credit.

HON 399. Directed Studies. 1-3 Credits.
Research, creative projects, reports and readings in relationship to leadership development and civic engagement, sophomore standing.

HON 451. Honors Seminar. 3 Credits.
Second of two special topics offered fall semester. Subject matter rotates and is determined by the Honors director and the Honors Council through competitive submission from University faculty.
Typically offered in Spring.
Repeatable for Credit.

HON 452. Honors Seminar. 3 Credits.
Second of two special topics offered spring semester. Subject matter rotates and is determined by the Honors director and the Honors Council through competitive submission from University faculty.
Typically offered in Fall.
Repeatable for Credit.

HON 480. Senior Project. 3 Credits.
Students identify and/or investigate a topic for in-depth study that involves a cross disciplinary inquiry approach.

HON 490. Senior Project. 3-6 Credits.
Students will identify and investigate a problem in a community business, nonprofit agency, or research laboratory, and then work to solve the problem. Students will be expected to play an active role in the problem-solving effort and contribute a minimum of ten hours each week to help solve the problem. Students will seek interaction with the CEO, senior officer(s), and/or senior investigators of the business, agency, or laboratory, who will serve as leader models for student study. While projects are generally completed in the senior year, students may register for this course upon completion of the 27-hour core or by special permission of the Honors College director.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.
Repeatable for Credit.

HONORS COLLEGE PROGRAM

School of Interdisciplinary and Graduate Studies

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

English Composition Requirements
Students must complete the full honors core in order to have WRT 120 and WRT 200 requirements waived. If a student completes only part of the core, that student will be responsible for completing both WRT 120 and WRT 200 in order to complete WCU General Education Requirements.

Mathematics Requirement
MAT course

Public Speaking Requirement
HON 211 Decision Making and Public Discourse

Diverse Communities Requirement

HONORS COLLEGE PROGRAM
MINOR IN CIVIC AND PROFESSIONAL LEADERSHIP

School of Interdisciplinary and Graduate Studies

Curriculum

Foundations of Leadership

HON 110  Civic Engagement and Theories of Leadership  
or CPL 120  Leadership Theories for Today’s Society

Required Leadership Classes

Select 9 credits from the following:

CPL 120  Leadership Theories for Today’s Society
HON 311  Stewardship and Civic Engagement
CPL 399  Leadership Theory to Practice
HON 313  American Government, Democracy and Public Opinion
HON 320  Honors Seminar: Global Issues
HON 351  Honors Seminar
HON 352  Honors Seminar
HON 381  Symposium in the Arts and Humanities

Interdisciplinary Requirement

HON 110  Civic Engagement and Theories of Leadership  
or HON 320  Honors Seminar: Global Issues  
or HON 351  Honors Seminar  
or HON 352  Honors Seminar  
or HON 381  Symposium in the Arts and Humanities  
or HON 382  Symposium in Social and Behavioral Science

Science Requirement

HON 314  Science, Technology and Environmental Systems (and one approved science distributive)

Behavioral and Social Science Requirement

HON 312  Educational Systems and Social Influence  
HON 313  American Government, Democracy and Public Opinion

Humanities Requirement

HON 212  Ethics and Moral Choice in Tech Age  
HON 311  Stewardship and Civic Engagement

Arts Requirement

HON 315  Community and the Arts

Language & Culture Requirement

If your major includes a foreign language requirement, you must complete the requirements as outlined by your major.

Honors Core

HON 100  Self-Awareness and Development  
HON 310  Theories and Strategies of Community Change  
HON 351  Honors Seminar  
or HON 352  Honors Seminar  
HON 451  Honors Seminar  
or HON 452  Honors Seminar  
HON 490  Senior Project

Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

MINOR IN CIVIC AND PROFESSIONAL LEADERSHIP

School of Interdisciplinary and Graduate Studies

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MINOR IN CIVIC AND PROFESSIONAL LEADERSHIP

School of Interdisciplinary and Graduate Studies

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Sample Course Plan

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Leadership Track

Science, Technology, Engineering, and Mathematics (STEM)

**Leadership Track**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 301</td>
<td>Contemporary Challenges in Public Health Leadership</td>
</tr>
<tr>
<td>HON 314</td>
<td>Science, Technology and Environmental Systems</td>
</tr>
<tr>
<td>PHY 170</td>
<td>General Physics I</td>
</tr>
<tr>
<td>PHY 100</td>
<td>Elements of Physical Science</td>
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<tr>
<td>PHY 125</td>
<td>Theology &amp; Science: Enemies or Partners?</td>
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<tr>
<td>BIO 100</td>
<td>Basic Biological Science</td>
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<tr>
<td>BIO 110</td>
<td>General Biology</td>
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<tr>
<td>BIO 270</td>
<td>Ecology</td>
</tr>
<tr>
<td>CHE 103</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>CHE 107</td>
<td>General Chemistry for Allied Health Sciences</td>
</tr>
<tr>
<td>ENV 102</td>
<td>Humans and the Environment</td>
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<tr>
<td>ESS 102</td>
<td>Humans and the Environment</td>
</tr>
<tr>
<td>EXS 180</td>
<td>Lifetime Fitness Concepts</td>
</tr>
<tr>
<td>GEO 103</td>
<td>Human Geography</td>
</tr>
<tr>
<td>HEA 100</td>
<td>Dimensions of Wellness</td>
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<tr>
<td>HEA 110</td>
<td>Transcultural Health: Principles and Practice</td>
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<tr>
<td>KIN 103</td>
<td>Introduction to Teaching Physical Education</td>
</tr>
<tr>
<td>NTD 200</td>
<td>Nutrition and Culture</td>
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<tr>
<td>CSD 101</td>
<td>Introduction to Communicative Disorders</td>
</tr>
<tr>
<td>HON 314</td>
<td>Science, Technology and Environmental Systems</td>
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<tr>
<td>COM 450</td>
<td>Health Communication</td>
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</tbody>
</table>

**Science, Technology, Engineering, and Mathematics (STEM) Leadership Track**

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>CPL 305</td>
<td>Contemporary Challenges in Public Health Leadership</td>
</tr>
<tr>
<td>and one of these prerequisite courses:</td>
<td></td>
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<tr>
<td>BIO 230</td>
<td>Genetics</td>
</tr>
<tr>
<td>CHE 101</td>
<td>Fundamentals of Chemistry</td>
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<tr>
<td>CHE 103</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>CHE 107</td>
<td>General Chemistry for Allied Health Sciences</td>
</tr>
<tr>
<td>COM 201</td>
<td>Fundamentals of Communication Technology</td>
</tr>
<tr>
<td>COM 219</td>
<td>Communication Theory</td>
</tr>
<tr>
<td>CSC 110</td>
<td>Fundamentals in Computer Science</td>
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<tr>
<td>CSC 115</td>
<td>Introduction to Computer Programming</td>
</tr>
<tr>
<td>CSC 141</td>
<td>Computer Science I</td>
</tr>
<tr>
<td>HON 212</td>
<td>Ethics and Moral Choice in Tech Age</td>
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<tr>
<td>MAT 121</td>
<td>Introduction to Statistics I</td>
</tr>
<tr>
<td>MAT 162</td>
<td>Calculus II</td>
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<td>PHI 125</td>
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</tr>
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</table>

Leadership Competency Experiences documented through a Co-Curricular Portfolio - the Minor in Civic and Professional Leadership requires a Leadership Competency Experience in **at least 6** different areas outlined below. Credits will be awarded pass/fail. Evidence for completion of this requirement is achieved through creation and maintenance of a co-curricular portfolio.

The listing below is representative of the competencies the CPL Advisory Board recommends and is not intended to be exhaustive. This list may be amended as the CPL Advisory Board recommends additional competencies that are in accordance with the student learning outcomes of the CPL Minor: public speaking, strategic planning/implementation, budget development/management, resource procurement/development, project/program development, project/program curriculum management, problem-solving, staff management, valuing diversity and difference, building organizational coalitions, increasing efficiencies, motivational leadership, global initiatives, entrepreneurship, and community development.

**HONORS SEMINAR CERTIFICATE**

**School of Interdisciplinary and Graduate Studies**

**Curriculum**

The Honors Seminar Certificate program affords all benefits of full Honors College membership.

**Required Courses**

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<tr>
<td>HON 320</td>
<td>Honors Seminar: Global Issues</td>
</tr>
<tr>
<td>HON 322</td>
<td>Developing Leadership with ELLs in the Classroom &amp; Community</td>
</tr>
<tr>
<td>HON 340</td>
<td>Pathways to Professional Leadership</td>
</tr>
<tr>
<td>HON 341</td>
<td>Civic Engagement</td>
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<tr>
<td>HON 480</td>
<td>Senior Project</td>
</tr>
</tbody>
</table>

1. A minimum grade of C+ must be earned in all Honors coursework.

**DEPARTMENT OF KINESIOLOGY**

**College of Health Sciences**

206 Sturzebecker Health Sciences Center
610-436-2260
Department of Kinesiology (http://www.wcupa.edu/kinesiology)
W. Craig Stevens (cstevens@wcupa.edu), **Interim Chairperson**
Fran Cleland (fcleland@wcupa.edu), **Assistant Chairperson**
Melissa Whidden (mwhidden@wcupa.edu), **Assistant Chairperson**

**Programs of Study**

The Department of Kinesiology offers two programs leading to the bachelor of science degree.

- **The B.S. in Health and Physical Education - Teacher Certification.** This program prepares students to teach K-12 health and physical education in public schools.
• The B.S. in Exercise Science. The purpose of the exercise science (ES) program is to prepare students for positions in the growing and multifaceted field of health, exercise, and fitness or to gain admission into various professional and graduate schools. In addition, students will be prepared for success in appropriate certification examinations. The primary focus of the ES program is for each student to develop abilities and master knowledge and skills necessary to provide leadership in the health and fitness fields, as well as be a successful member of society. Concentrations offered within the curriculum include Exercise Science Specialist, Pre-Physical Therapy, Pre-Occupational Therapy, and Pre-Chiropractic Therapy. The Bachelor of Science is nationally accredited by the Committee on Accreditation for the Exercise Sciences (CoAES) under the auspices of the Commission on Accreditation of Allied Health Education Programs (CAAHEP).

Facilities
The department is housed on West Chester University’s South Campus in the Russell L. Sturzebecker Health Sciences Center. The SHSC features the following indoor facilities: five full-size, multipurpose gymnasiums; one fully equipped gymnastics gym; dance studio; strength and conditioning training facility; human performance laboratory; 17 classrooms; and an aquatics center featuring two pools. Outdoor facilities include multipurpose playing fields, tennis courts, softball fields/baseball fields, quarter-mile track, three outdoor adventure education facilities, and a climbing wall.

Programs

Majors in Kinesiology
• B.S. in Health and Physical Education - Teacher Certification (p. 325)
• B.S. in Exercise Science - Exercise Science Specialist Concentration (p. 327)
• B.S. in Exercise Science - Pre-Chiropractic Concentration (p. 328)
• B.S. in Exercise Science - Pre-Occupational Therapy Concentration (p. 329)
• B.S. in Exercise Science - Pre-Physical Therapy Concentration (p. 331)

Minors in Kinesiology
• Coaching (p. 332)
• Exercise Science (p. 332)
• Physical Education for Individuals with Disabilities (p. 333)

Graduate Opportunities
See the graduate catalog for more information on the Kinesiology programs. (http://catalog.wcupa.edu/graduate/health-sciences/kinesiology)

Policies
• See undergraduate admissions information. (p. 11)
• See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

Minimum Grade Requirements for the B.S. in Exercise Science Concentrations

Pre-Physical Therapy Concentration
All related requirement courses and core Exercise Science classes MUST be passed with a C- or better.

Pre-Occupational Therapy Concentration
All related requirement courses and core Exercise Science classes MUST be passed with a C- or better.

Pre-Chiropractic Concentration
All related requirement courses and core Exercise Science classes MUST be passed with a C- or better.

Faculty

Professors
Eve Atkinson (eatkinson@wcupa.edu) (2008)
B.S., M.S., West Chester University; D.Ed., Temple University
Frances E. Cleland (fcleland@wcupa.edu) (1994)
Assistant Chairperson, Kinesiology
B.S., Purdue University; M.S., P.E.D., Indiana University
Monica P. Lepore (mlepore@wcupa.edu) (1983)
B.S., College of Mount Saint Vincent; M.S., University of Wisconsin; Ed.D., New York University
Margaret Ottley (mottley@wcupa.edu) (2001)
B.A., Spelman College; M.Ed., Ph.D., New York University
David J. Stearne (dstearne@wcupa.edu) (2005)
Graduate Coordinator, Kinesiology
B.A., Rowan University; M.S., University of Florida; Ph.D., Temple University
W. Craig Stevens (wstevens@wcupa.edu) (1992)
Chairperson, Kinesiology
B.A., Johns Hopkins University; M.S., Springfield College; Ph.D., Temple University
Karin A.e. Volkwein (kvolkwein@wcupa.edu) (1992)
Staatsexamen, University of Marburg (Germany); Ph.D., University of Tennessee

Associate Professors
Stanley J. Cramer (scramer@wcupa.edu) (2000)
B.S., M.S., West Chester University; Ph.D., Temple University
Matthew Cummiskey (mcummiskey@wcupa.edu) (2009)
B.S., Ithaca College; M.S., State University of New York at Cortland; Ph.D., Temple University
Melissa A. Reed (mreed3@wcupa.edu) (2011)
Chairperson, Other
B.S., East Stroudsburg University; M.A., Ph.D., East Carolina University
Melissa A. Whidden (mwhidden@wcupa.edu) (2011)
Assistant Chairperson, Kinesiology
B.S., M.S., State University of New York at Buffalo; Ph.D., University of Florida

Assistant Professors
Kenneth Clark (kclark@wcupa.edu) (2016)
B.A., Swarthmore College; M.S., West Chester University; Ph.D., Southern Methodist University
Hyunsoo Kim (hkim@wcupa.edu) (2016)
B.A., M.A., Yonsei University; M.S., University of North Carolina, Greensboro; Ph.D., Brigham Young University

MUST be passed with a C- or better.
Courses

EXL

EXL 362. Biomechanics Laboratory. 1 Credit.
This laboratory course will enable the student to learn from both "hands-on" and computer simulated experiences. In both cases, reinforcing and illuminating concepts and biomechanical principles introduced in EXS 362 (lecture class).
Pre / Co requisites: EXL 362 requires prerequisites of PHY 100, PHY 130, and EXS 223; and a corequisite of EXS 362.
Typically offered in Fall & Spring.

EXL 380. Exercise Physiology Lab. 1 Credit.
This one credit laboratory course will enable the student to learn from both "hands-on" and computer simulated experiences. In both cases, reinforcing and illuminating concepts and physiological principles introduced in the EXS 380 lecture class.
Pre / Co requisites: EXL 380 requires prerequisite BIO 269 and EXS 180 and COREQ: EXS 380.
Typically offered in Fall & Spring.

EXL 381. Fitness Assessment - Exercise Prescription Lab. 1 Credit.
Designed to prepare students to assess the physical fitness levels of healthy adults. Hands on experiences in measuring critical physiological variables as well as the following physical fitness components: cardiovascular endurance, muscular strength, muscular endurance, flexibility, balance and body composition. Students will have practice in interviewing clients and working with subjects performing physical activity.
Pre / Co requisites: EXL 381 requires prerequisites of EXS 380, EXL 380, and current CPR certification; and a corequisite of EXS 381.
Typically offered in Fall, Spring & Summer.

EXL 489. Clinical Exercise Testing and Interpretation Laboratory. 1 Credit.
This laboratory course will enable the student to learn from both "hands-on" and computer simulated experiences. In both cases, reinforcing and illuminating concepts and clinical exercise principles introduced in EXS 489 (lecture class). Students will learn how to administer graded exercise tests, take blood pressure and heart rate measurements during exercise, administer and interpret standard resting and exercise 12-lead electrocardiograms at a fundamental level, and how to properly prescribe exercise based on test results and using metabolic calculations.
Pre / Co requisites: EXL 489 requires prerequisites of EXS 381, EXL 381 and a corequisite of EXS 489.
Typically offered in Fall & Spring.

EXS

EXS 101. Group Exercise Leadership. 2 Credits.
The major goals of this course are to provide students with professional instruction on how to teach a variety of group exercise classes by applied learning techniques, to be able to lead exercise classes for all levels of fitness and for a wide variety of participants, including children, the elderly, and other special populations, and to modify moves to accommodate them. This course is designed to prepare the student to pass a nationally accredited certification exam for group exercise leadership.
Typically offered in Fall & Spring.

EXS 102. Fundamentals of Resistance Training Techniques. 2 Credits.
Resistance training, also called weight training or strength training, is structured exercise in which muscles of the body are forced to contract under tension using weights, body weight, or other devices in order to stimulate growth, strength, power and endurance. This course provides the beginner student with hands-on experience using these various methods along with instruction on proper exercise technique and safety precautions.
Typically offered in Fall & Spring.

EXS 103. Fundamentals of Group Exercise and Resistance Training. 3 Credits.
This course is intended to provide the student with the content knowledge and practical experience concerned with teaching group exercise classes. Furthermore, this class will provide the student with the skills necessary to properly perform essential exercises and the knowledge to teach others about the proper training techniques and form for the major muscle groups using a variety of exercises, free-weights, and machines.
Typically offered in Fall & Spring.

EXS 180. Lifetime Fitness Concepts. 3 Credits.
Designed to provide an interdisciplinary understanding of the relationship between lifestyle, physical fitness, and health and well-being.
Typically offered in Fall & Spring.

EXS 222. Introduction to Medical Terminology and Drug Classifications. 2 Credits.
This course offers an introduction to common clinical abbreviations and medical terms through an analysis of their construction including prefix, suffix, root, connecting and combining forms.
Typically offered in Fall & Spring.

EXS 224. Human Anatomy I. 3 Credits.
The purpose of this course is to lay the foundation for students to learn how anatomy affects movement of the human body. The course will build upon, reinforce, and challenge the student’s basic knowledge of structural anatomy with the intention of acquiring a mastery of basic concepts in this discipline. Presentation of concepts will begin with whole body orientation by region, and then work additively and systematically from skeletal anatomy identifications and joint structure / alignment analysis, through muscular and neurovascular investigation to provide a comprehensive study of clinically applied structural anatomy.
Pre / Co requisites: EXS 223 requires a prerequisite of BIO 259.
Typically offered in Fall & Spring.

EXS 225. Human Anatomy II. 3 Credits.
This class introduces basic anatomical and physiological concepts critical to understanding human movement, exercise, physical education and how the human body functions. The class examines the anatomy, physiology and exercise physiology of the skeletal and muscular systems. Throughout the course, special attention will be paid to the impact of development (growth and maturation) on the systems covered. Students will be required to apply these anatomical and physiological principles to physical education, exercise and sport.
Typically offered in Fall & Spring.

EXS 270. Motor Learning. 3 Credits.
This course examines the behavioral, physiological, and psychological principles underlying motor control and motor learning. Specific topics include classifications and measurement of motor performance, the role and function of sensory processes, perception, memory, and attention; and the delivery of feedback and structure of practice.
Distance education offering may be available.

EXS 280. The Exercise Science Profession. 1 Credit.
This course introduces students to the background of the exercise science profession, the meaning of professionalism, the Code of Ethics for the profession, certification options available within the field, relevant professional organizations, the relationship of the exercise scientist to the healthcare network, the scope of exercise science practice and various career options. In addition, students will learn about the academic requirements and curricular issues related to the Bachelor of Science in Exercise Science. Also students will understand how to build an impressive portfolio to support subsequent opportunities. Lastly, alternative career options and graduate education will be explored.
Pre / Co requisites: EXS 280 requires a prerequisite of EXS 180.
Typically offered in Fall & Spring.

EXS 361. Body Systems and Applied Anatomy II. 3 Credits.
This class introduces basic anatomical and physiological concepts critical to understanding human movement, exercise, physical education and how the human body functions. The class examines the anatomy, physiology and exercise physiology of the following systems: nervous, endocrine, cardiovascular, respiratory, digestive, and renal systems. Metabolism and the generation of energy will also be discussed. Throughout the course, special attention will be paid to the impact of development (growth and maturation) on the systems covered. Students will be required to apply these anatomical and physiological principles to physical education, exercise and sport.
Typically offered in Fall.

Instructor

Selen Razon (srazon@wcupa.edu) (2016)
B.S. Université Paris 5 René Descartes, France; M.S. University of Miami; Ph.D. Florida State University

Ed Kubachka (ekubachka@wcupa.edu) (2016)
B.S., Pennsylvania State University; B.S., M.S., West Chester University
EKS 362. Biomechanics. 3 Credits.
This course is intended to provide the student with a fundamental understanding of selected mechanical and anatomical laws of motion, actions caused by forces and their application to the study of mechanical structure and analysis of motion. Students will be able to use and apply these principles to various forms of movement.
Pre / Co requisites: EKS 362 requires prerequisites of PHY 100, PHY 130, and EKS 223; and a corequisite of EIL 362.
Typically offered in Fall & Spring.

EKS 364. Introduction to Exercise Physiology. 3 Credits.
Builds on the physiological concepts introduced in EKS 241. Students will be required to apply these physiological principles to physical education, exercise and sport.
Pre / Co requisites: EKS 364 requires a prerequisite of EKS 241.
Typically offered in Fall & Spring.

EKS 375. Sport and Exercise Psychology. 3 Credits.
This course is designed for students interested in the psychosocial issues related to sport and exercise behavior. This course will introduce students with theories and practices inherent in the field of sport and exercise psychology. Additional emphasis will include intervention strategies to promote exercise behaviors and long-term adherence to a physically active lifestyle.
Pre / Co requisites: EKS 375 requires prerequisites of PSY 100 and EKS 270.
Distance education offering may be available.
Typically offered in Fall & Spring.

EKS 380. Exercise Physiology. 3 Credits.
This three credit course investigates the physiological principles which explain how the human body responds and adapts to physical activity, exercise and work.
Pre / Co requisites: EKS 380 requires prerequisite BIO 269 and EKS 180; co-requisite of EIL 380.
Typically offered in Fall & Spring.

EKS 381. Fitness Assessment - Exercise Prescription. 3 Credits.
Designed to prepare students to assess the physical fitness levels of healthy but sedentary adults and prescribe individualized exercise programs.
Pre / Co requisites: EKS 381 requires prerequisites of EKS 380, EIL 380, and current CPR certification; and a co-requisite of EIL 381.
Typically offered in Fall, Spring & Summer.

EKS 482. Strength Training and Conditioning. 4 Credits.
This course provides an overview of the theory, methods and techniques associated with the strength and conditioning of the cardiovascular and musculoskeletal systems. An emphasis will be placed on the acute and chronic adaptations to strength and conditioning programs, including novel methods such as plyometrics, speed/agility/speed-endurance training, and core training. Application of theory will be implemented through practical lab experiences. This course will also serve as a partial preparation for the CCS exam given by the NSCA.
Pre / Co requisites: EKS 482 requires prerequisites of EKS 362 and EIL 362 and EKS 380 and EIL 380.
Typically offered in Fall & Spring.

EKS 484. Organization and Management of Adult Fitness Programs Clinic/Seminar. 3 Credits.
This course provides students with practical knowledge in organizing, managing and implementing adult fitness. Students will get hands on experience in the following areas: personal training, program design, leading group exercise classes, retention, liability protection, facility safety, facility design, budgeting, and promotion and marketing. Special emphasis is placed on standards and guidelines set forth by the American College of Sports Medicine (ACSM), and the National Strength and Conditioning Association (NSCA).
Pre / Co requisites: EKS 484 requires prerequisites of EKS 381 and EIL 381.
Typically offered in Fall & Spring.

EKS 486. Exercise Prescription - Special Population. 3 Credits.
Designed to provide students with practical experience in organizing and managing physical fitness programs for adults.
Pre / Co requisites: EKS 486 requires prerequisite of EKS 381.
Distance education offering may be available.
Typically offered in Fall & Spring.

EXS 487. Physical Activity and the Environment. 3 Credits.
A survey course investigating the multidisciplinary nature of environmental physiology. It will explore the impact of different environments on the physiology of humans while at work and play. This course will examine the thermal environments (hot, cold, humidity), baraphysiology (altitude and depth), microgravity and space, air pollution, and chronobiological rhythms. Laboratory experiences, both computer simulation and "hands-on," will be included in the course.
Pre / Co requisites: EXS 487 requires prerequisite of EXS 380 or BIO 468 or BIO 469.

EXS 489. Clinical Exercise Testing and Interpretation. 3 Credits.
This course is designed to teach students how to administer graded exercise tests, take blood pressure and heart rate measurements during exercise, administer and interpret standard resting and exercise 12-lead electrocardiograms at a fundamental level, and how to properly prescribe exercise based on test results and using metabolic calculations. Understanding the athletic heart is a major focus.
Pre / Co requisites: EXS 489 requires a prerequisite of EXS 381, EIL 381, and a corequisite of EIL 489.
Distance education offering may be available.
Typically offered in Fall & Spring.

EXS 490. Internship. 3-6 Credits.
The Exercise Science internship course is a capstone experience that permits students to apply their academic training under the direction of certified fitness/wellness professionals and/or licensed clinical professionals. While classroom input is inherent in educational programs at West Chester University, the application of academic theory gives the student experiences that will add to their personal and professional maturity. The internship is a requirement for all students in the Exercise Science Division of the Kinesiology Department. The internship provides the student with the opportunity to ask pertinent questions, make observations, and to participate in agency activities that normally would not be possible for a paid, full-time employee. All internship experiences must be undertaken in an agency that guarantees the student with supervision by an exercise specialist, physical therapist, occupational therapist, chiropractor, or physician’s assistant possessing appropriate academic and certification credentials as well as licensure, appropriate to the student’s concentration of study.
Consent: Permission of the Department required to add.
Typically offered in Fall & Spring.

EXS 491. Internship II. 3-6 Credits.
A supplemental experience to EXS 490 which will enable students to explore other internship or work settings including cardiac rehabilitation, strength and conditioning coaching, commercial fitness, corporate fitness and personal training. The experience can be at the same site as EXS 490. Hours required range between 125 (for three credits) to 250 hours (for six credits).
Pre / Co requisites: EXS 491 requires Co-requisite of EXS 489.
Consent: Permission of the Department required to add.
Typically offered in Fall & Spring.
Repeatable for Credit.

EXS 499. Special Topics. 1-3 Credits.
This course will examine selected topics of temporal or special interest that are not normally part of the regular ongoing exercise science curriculum. Students will be provided an opportunity to pursue research, study, and/or application of knowledge and development of skills in an applied setting, which may include an off-campus component.
Repeatable for Credit.

KIL

KIL 363. Adapted Physical Activity Practicum. 1 Credit.
Practicum experience working in an adapted physical activity setting. Includes writing and implementing lessons and individual goals.
Pre / Co requisites: KIL 363 requires prerequisites of KIN 205 and KIN 206 or KIN 252.

KIN

KIN 101. Intro to Adventure Based Educ. 3 Credits.
A course designed for the student to understand the adventure approach to experiential education in various environments. The students will have the opportunity to experience an adventure curriculum including initiatives, problem-solving activities, and low and high ropes course elements.
Typically offered in Fall & Spring.
KIN 102. Adventure and Contemporary Activities. 2 Credits.
Provides future physical educators with the knowledge and skills necessary to instruct, demonstrate, and assess a variety of adventure and contemporary activities. Students will be able to setup, facilitate and process various ground initiatives as well as low and high ropes course elements. Students will also become proficient performing various contemporary or "alternative" activities such as mountain biking, orienteering and tchoukball among others. Typically offered in Spring.

KIN 103. Introduction to Teaching Physical Education. 3 Credits.
Students will gain an introduction to the field and basic foundational knowledge that will be used in succeeding coursework. The majority of the course will focus on best practices in physical education instruction and quality physical education programs. Students will have multiple opportunities to develop lesson plans and teach those plans at a local elementary school. Topics also include advising, clearances, ethics, health education, sub-disciplines of kinesiology and the history of physical education. Clearances must be presented during the first week of classes to remain enrolled, see the College of Education. Typically offered in Fall.

KIN 104. Fitness and Wellness I. 2 Credits.
Fitness and Wellness I is designed to provide Physical Education Teacher Education (PETE) students the foundational knowledge needed for teaching a comprehensive K-12 fitness and wellness curriculum. PETE students will gain the knowledge and skills they need to make meaningful and lasting behavior changes needed for living a healthy lifestyle. They will examine contemporary literature and research on fitness and wellness and participate in, design, implement, and assess numerous pedagogical activities. Typically offered in Fall.

KIN 105. Fitness and Wellness II. 2 Credits.
This course (FW2) builds upon the information and concepts established in Fitness and Wellness I (FW1). While FW1's foci were on scholastic curriculum and pedagogy, FW2 examines individual subject matters commonly taught in public school physical education. In this course students will a) examine best instructional practices, b) study developmentally appropriate content, and c) apply pedagogical content knowledge by planning, teaching, and assessing fitness and wellness content. The goal of this course is to provide Physical Education Teacher Certification students with contemporary content and methods necessary to teach meaningful and effective classes. Pre / Co requisites: KIN 105 requires a prerequisite of KIN 104. Typically offered in Spring.

KIN 108. Introduction to School Wellness Education. 6 Credits.
Students will gain an introduction to school wellness education and basic foundational knowledge that will be used in succeeding coursework. School Wellness Education is defined as interdisciplinary approach to promoting comprehensive well-being through home, school and community interventions. The course will focus on collaborative approaches to wellness, best practices in wellness education and quality wellness programming in schools. Students will have multiple opportunities to develop lesson plans and teach those plans at a local elementary school. Topics also include Whole School, Whole Child, Whole Community (WSCC), advising, clearances, ethics, sub-disciplines and the history of wellness education. Clearances must be presented during the first week of classes to remain enrolled (see the College of Education). Typically offered in Fall.

KIN 140. Aquatic Fundamentals/ Emergency Water Safety. 2 Credits.
Review of basic aquatic skills with advanced stroke techniques, safety, and survival techniques. Typically offered in Fall & Spring.

KIN 186. Motor Development and Motor Learning. 3 Credits.
Understanding how children and adolescents acquire motor skills and become a skilled mover requires an integration of knowledge from the fields of motor development and motor learning. Motor development focuses on the progressive age-related changes in motor behavior attributed to growth, development and maturation. Motor learning focuses on the relatively permanent changes in motor behavior brought about by practice and experience. The focus of motor development and motor learning each provides a unique aspect to understanding the motor behavior of the moving child and adolescent; however it is the relationship between the aspects that provide a rich understanding of how both acquire motor skills. Physical education teachers must be able to use motor development knowledge to design goals appropriate for the developmental stage and perceptual motor abilities of the learner; and use motor learning knowledge to design appropriate movement tasks and practice conditions for the type of skill. Typically offered in Fall.

KIN 201. Developmental Gymnastics and Dance. 2 Credits.
The purpose of this two-credit course is to provide health and physical education teacher candidates with the appropriate methods, materials, and skills needed for teaching gymnastics and dance in the K-12 physical education curriculum. Focus will be placed on the development of skills and concepts as they relate to gymnastics and dance. Typically offered in Fall.

KIN 202. Invasion Games. 2 Credits.
The course will incorporate three elements throughout the semester: teaching, performance, and analysis. The Tactical Games Approach for all subjects will be utilized along with a clear focus on the Invasion Game concept, will be used to develop a clear and logical teaching approach to various physical education subjects. With this approach students will learn each sport in its entirety, not just the specific skills used when in possession of the ball or disc. Students will be required to develop fundamental demonstration skills for each sport while simultaneously learning the skill progression for each. After learning each skill, the students will then perform systematic analyses on their classmate's performance on various motor skill elements. Typically offered in Fall.

KIN 203. Net and Wall Games. 2 Credits.
The course provides future physical educators with the knowledge and skills necessary to instruct, demonstrate, and assess the lifetime sports of tennis, badminton, volleyball, and pickleball. The Tactical Games Approach for all subjects will be utilized along with a clear focus on the Invasion Games concept and will be used to develop a clear and logical teaching approach to various physical education topics. With this approach students will learn the different sports in their entirety, not just specific skills used when in possession of the ball. Students will be required to develop fundamental demonstration skills for each sport while simultaneously learning the skill progression for each. After learning each skill, the students will then perform systematic analyses on their classmate's performances on various motor skill elements. Typically offered in Spring.

KIN 205. Curriculum and Instruction: Inclusion in Health & Physical Education. 3 Credits.
To provide Health and Physical Education majors with the skills, knowledge and attitudes: 1) to provide individuals with disabilities appropriate physical education/activity in inclusive setting; 2) to prepare participants with disabilities for lifetime physical activity and fitness pursuits in the school and community settings; 3) to advocate for appropriate physical activities for individuals with disabilities; 4) to modify the environment for participation of individuals with disabilities to the maximal extent possible in the general physical education class/community based settings; 5) to assess students with disabilities and make recommendations for goals, objectives, specially designed instruction, placement, and modifications to curriculum, equipment, and other support services; 6) to work as a team player on the multidisciplinary team. Pre / Co requisites: KIN 205 requires prerequisites of KIN 103 and KIN 186. KIN 205 requires a co-requisite of KIN 206. Field clearances required. Typically offered in Spring.

KIN 206. Adapted PE & Health for Students with Disabilities. 3 Credits.
Through classroom and hands-on teaching experiences this course will provide health and physical education teacher certification majors with the skills, knowledge and attitudes to meet the needs of students with disabilities in inclusive and segregated health and physical education classes and to meet the NASPE beginning teacher standards and the PA chapter 49.13 special education standards. Pre / Co requisites: KIN 206 requires prerequisites of KIN 103, KIN 186, and field clearances. KIN 206 requires a co-requisite of KIN 205. Typically offered in Spring.

KIN 246. Sport, Culture and Society. 3 Credits.
Current theories and research in the area of sport and society will be introduced. Focus of the course is interdisciplinary, incorporating sociological, psychological, historical, anthropological, philosophical, and economic perspectives. Topics include moral, ethical, racial, and gender issues in sport in relation to the North American culture. Gen Ed Attribute: Diversity Requirement, Interdisciplinary Requirement.

KIN 253. Adapted Aquatics, Lifetime Sport and Fitness. 3 Credits.
Course designed to increase knowledge and skills in providing appropriate and safe adapted aquatics, sports, and fitness activities to individuals with disabilities. Outside hours required. Typically offered in Fall.
KIN 254. Disability Studies: An Interdisciplinary Introduction. 3 Credits.
A study of the psychological and social implications of physical disabilities.
Distance education offering may be available.
Typically offered in Fall & Spring.

KIN 275. Lifeguarding. 2 Credits.
Theory and techniques relative to preventive lifeguarding, emergencies in and around water, water rescues, search and recovery operations, types and uses of equipment, records and reports, health and sanitation, and supervision of waterfront areas. Possibility of American Red Cross certification.

KIN 300. Curriculum and Instruction Elementary PE. 3 Credits.
Students in this course will examine the design, implementation and assessment of an elementary physical education program.
Pre / Co requisites: KIN 300 requires prerequisites of KIN 103 and KIN 186.
Typically offered in Fall.

KIN 302. Curriculum and Instruction Mid-Sec PE. 3 Credits.
This third course in pedagogy will relate all topics to the middle and secondary physical education setting. Intended to give students a comprehensive overview of topics that relate to the planning, execution and reflection of lessons presented in the physical education setting.
Pre / Co requisites: KIN 302 requires prerequisites of KIN 103 and KIN 186.
Typically offered in Spring.

KIN 304. Secondary School Wellness Education. 6 Credits.
Teacher candidates will learn to positively impact the wellness of K-12 students through the Whole School, Whole Child and Whole Community framework. As part of the course, students will learn to plan and implement effective middle and high school wellness education lessons, follow developmentally-appropriate practices, demonstrate best practices, describe an effective secondary wellness program and design a school wellness policy as required by Federal law. The course addresses the Center for Disease Control and Prevention’s (6) risk behaviors which lead to premature death and disability.
Pre / Co requisites: KIN 304 requires prerequisites of KIN 108 and KIN 186.
Typically offered in Fall.

KIN 305. Pedagogy and Critical Issues in Urban School Wellness Education. 3 Credits.
This course affords teacher candidates the opportunity to gain the experience, confidence and pedagogical skills to effectively teach school wellness education in an urban setting. The course will examine critical issues such as the social, cultural, historical, political, and economic forces that have shaped their development and that of urban schools. An emphasis will be placed on analyzing and reflecting critically on past and present educational reform initiatives and how they impacted the students, teachers, families and the community. Finally, topics such as the racial achievement gap, immigration, deindustrialization, suburbanization, crime and relevant community institutions will be explored.
Pre / Co requisites: KIN 305 requires prerequisites of KIN 108 and KIN 186.
Typically offered in Spring.

KIN 347. Software Applications and Assessment HPE. 3 Credits.
Students apply word processing and graphics software to produce knowledge tests, worksheets, skill checklists, certificates of merit, and public relations handouts. Spreadsheet software will be applied to budget and inventory projects. Grading, crossword puzzle, computer-assisted instruction, and physical fitness assessment software also will be applied. Students also will learn e-mail.
Typically offered in Spring.

KIN 360. Path for Adapted Phys Act Specialists. 3 Credits.
Study of common disabling conditions with regard to anatomical and physiological changes and the modifications needed to be made during physical activity to be safe, successful and follow best practice.
Typically offered in Spring.

KIN 362. Assessment and Programming Adapt Phy Act. 3 Credits.
For students who want to specialize in adapted physical education. To improve students’ understanding of evaluation and programming in the psychomotor domain for special populations. Principles of therapeutic exercise, and guidelines for exercise programs for those disabilities commonly seen in schools and fitness centers.
Typically offered in Spring.

KIN 400. Professional Seminar - Adapted Physical Activity. 3 Credits.
Issues and current events in the professional development of adapted physical activity specialists including communication and collaboration with related personnel; understanding requirements for job applications, resume building, and grant writing; professionalism; and current topics such as certification, ethics, and public relations.
Pre / Co requisites: KIN 400 recommends the following prerequisite courses: KIN 205, KIN 206, and KIN 362.
Typically offered in Spring.

KIN 402. Physical Education Practicum. 3 Credits.
Field-based teaching experience in K-12 health and physical education.
Pre / Co requisites: KIN 402 requires prerequisites of KIN 205, KIN 206, KIN 300, KIN 302, field clearances and FATE (formal admission to teacher education required).
Consent: Permission of the Department required to add.
Typically offered in Fall.

KIN 403. School Wellness Education Practicum. 6 Credits.
Teacher candidates will acquire the knowledge and skills to promote a culture of wellness in the classroom and throughout the school based upon the ten components of the Whole School, Child and Community Model. Teacher candidates will a) demonstrate best instructional practices in wellness education, b) study developmentally appropriate content, c) implement the whole school, whole child and whole community framework, d) analyze and reflect upon their own and others’ teaching, and e) apply pedagogical content knowledge by planning, implementing, assessing and reflecting upon teaching experiences in wellness education. The ultimate goal of this course is to effectively implement these strategies through the successful completion of planned instruction.
Pre / Co requisites: KIN 403 requires prerequisites of KIN 300, KIN 304, and Formal Admission to Teacher Education (FATE).
Typically offered in Fall.

KIN 448. Research Lab Techniques In Prevent Medicine. 3 Credits.
Research laboratory techniques in preventive medicine.
Pre / Co requisites: KIN 448 requires prerequisite of BIO 209.

KIN 452. Principles Of Coaching. 3 Credits.
Principles and methods of coaching sports in the school program.
Typically offered in Fall & Spring.

KIN 457. ASL Literature. 3 Credits.
Introduction to American Sign Language literature analyzes genres in their social and cultural contexts as expressions of Deaf identity and the Deaf experience, as well as how historical and current issues in Deaf culture are represented in literary form. Focus will be on art, traditional folklore, storytelling, poetry, drama, oratory, jokes, and nonfiction narrative.

KIN 458. Physical Disabilities Of Childhood. 2 Credits.
A course designed for students in special education. Common orthopedic and neurological disabilities of childhood, especially chronic deviations. Emphasis is on understanding the medical aspects and problems of rehabilitation.

KIN 465. Mechanical Analysis Of Motor Skill. 3 Credits.
A problem-solving approach to skill analysis using qualitative and quantitative video and cinematographic analysis as well as elementary force-time and accelerometry techniques. Useful for teachers, trainers, coaches, and exercise professionals.

KIN 473. Independent Study and Special Projects. 1-3 Credits.
Provide an opportunity for selected students to pursue areas of special interest and talent or to take advantage of special conferences or seminars.
Consent: Permission of the Department required to add.

KIN 475. Mental Training In Sport. 3 Credits.
Techniques of mental training for sport and physical activity, including relaxation training, concentration skills, breathing regulation, positive imagery, autogenic training, and meditation.
Typically offered in Spring.

KIN 489. Student Teaching. 6 Credits.
Health and physical education teaching situations in elementary, junior, and senior high schools under qualified cooperating teachers and college supervisors.
Pre / Co requisites: KIN 489 requires prerequisites of KIN 402, HEA 304, HEA 306, HEA 440 with a grade of C or better and formal admission into teacher education. All field clearances required and successful completion of Praxis II test.
Consent: Permission of the Department required to add.
Typically offered in Spring.
KIN 490. Student Teaching. 6 Credits.
Observation and participation in health and physical education teaching situations in elementary, junior, and senior high schools under qualified cooperating teachers and college supervisors.
Pre / Co requisites: KIN 490 requires prerequisites of KIN 402, HEA 304, HEA 306, HEA 440 and formal admission into teacher education. All field clearances needed and successful completion of Praxis II test.
Consent: Permission of the Department required to add. Typically offered in Spring.
Repeatable for Credit.

KIN 498. Physical Education Workshop. 1-3 Credits.
Contact department for more information about this course. Repeatable for Credit.

PEA
PEA 100. Basic Swimming (Non Swimmers). 2 Credits.
Contact department for more information about this course.

PEA 115. Physical Conditioning. 2 Credits.
Contact department for more information about this course. Repeatable for Credit.

PEA 116. Personal Defense. 2 Credits.
Contact department for more information about this course. Typically offered in Fall & Spring.

PEA 120. Badminton. 2 Credits.
Contact department for more information about this course. Typically offered in Fall & Spring.

PEA 123. Golf. 2 Credits.
Contact department for more information about this course. Typically offered in Fall & Spring.

PEA 125. Women's Gymnastics. 2 Credits.
Contact department for more information about this course.

PEA 128. Tennis. 2 Credits.
Contact department for more information about this course. Typically offered in Fall & Spring.

PEA 129. Fitness Through Basketball. 2 Credits.
Contact department for more information about this course.

PEA 137. Strength Training. 2 Credits.
Contact department for more information about this course. Typically offered in Fall & Spring.

PEA 140. Aerobic Fitness. 2 Credits.
Contact department for more information about this course. Typically offered in Fall & Spring.

PEA 141. Water Fitness. 2 Credits.
Contact department for more information about this course.

PEA 142. Yoga. 3 Credits.
Contact department for more information about this course. Typically offered in Fall & Spring.

PEA 143. Yoga II. 3 Credits.
The purpose of this course is to provide each student with the opportunity to develop his or her yoga practice in order to realize the potential for self awareness and appreciation for healthy living that can be achieved through the continued practice of yoga.
Pre / Co requisites: PEA 143 requires prerequisite of PEA 142. Typically offered in Fall & Spring.

PEA 144. T'ai Chi Ch'uan. 3 Credits.
This course will be the study of a martial art that combines movement with chi. T'ai Chi Ch'uan uses the principals of Yin-Yang and the Five Element theories and is compatible with Chinese medicine, acupuncture, and Chinese herb treatment. The name refers to the Chinese concept of the Grand Ultimate, or of Yin and Yang. T'ai Chi Ch'uan is performed slowly and with smooth continuous motion, unlike most other martial arts that are performed with speed and power. T'ai Chi Ch'uan builds power internally and does not rely on body strength alone and can be practiced from childhood into old age with no risk to the practitioner. The study of movement, skeletal structure and T'ai Chi as a Meditative Art will be included in the courses. Typically offered in Fall & Spring.

PEA 146. Pilates. 3 Credits.
This course is designed to provide each student with the skill and knowledge to perform the 6 basic principles that are the core of the Pilates method - Centering, Concentration, Control, Precision, Breathing, and Flowing Movement. Exercises and activities are developed to assist students in strengthening musculature, in spinal alignment and in gaining effective breathing. Typically offered in Fall & Spring.

PEA 236. Developing Personal Fitness Programs. 2 Credits.
This course, designed for nontraditional students and students with disabilities, provides an understanding of the scientific basis of physical fitness. The course is intended to help each student develop a personal fitness profile and subsequent program of physical activity that will result in healthful living. The course will make use of practical experience and actual participation in fitness activities. Individual programs will be emphasized.

PEA 242. Yoga III. 3 Credits.
This course is the third in the Yoga sequence and will provide further development of Yoga skills for the participant. Individual interested in teaching Yoga will explore teaching methodology and will address the individual requirements established by the Yoga Alliance. Pre / Co requisites: PEA 242 PREREQ: PEA 142 and PEA 143 or permission of instructor. Typically offered in Spring.

PEA 244. T'ai Chi Ch'uan II. 3 Credits.
The goal of this course is to provide students with an advanced knowledge and skill set required to practice the art of T'ai Chi Ch'uan and Push Hands. Longevity and rejuvenation are the primary goals of Tai Chi, a system of slow, gentle, non-strenuous movements ideal for persons of any age who want to stay flexible, increase their energy and reduce stress. T'ai Chi promotes health, balance, coordination and tranquility. It leads to more graceful effortless movement in everyday life. This is an ideal opportunity to try out this wonderful, low stress form of exercise. Typically offered in Spring.

B.S. IN HEALTH AND PHYSICAL EDUCATION - TEACHER CERTIFICATION

Curriculum

General Education Requirements

English Composition requirements 6
Mathematics requirement 3
Public Speaking requirement 3
Science requirements 6
Behavioral & Social Science requirements 6
Humanities requirements 6
Arts requirement 3
Diverse Communities requirement 3
Interdisciplinary requirement 3
Student Electives 9
Writing Emphasis requirements 9

Students should consult their adviser for specific general education and Pennsylvania Department of Education (PDE) requirements. Required courses that fulfill general education requirements: EDF 300 (interdisciplinary), EDP 250 (student electives), KIN 254 (diverse communities), and MAT (student electives).
Extra PDE and Teacher Education Requirements
LAN/ENG 382 Teaching English Language Learners PK-12 1 3

Major Requirements

Foundations
KIN 108 Introduction to School Wellness Education 6
KIN 186 Motor Development and Motor Learning 1 3

Wellness Education Pedagogy
KIN 205 Curriculum and Instruction: Inclusion in Health & Physical Education 3
KIN 206 Adapted PE & Health for Students with Disabilities 1 3
KIN 300 Curriculum and Instruction Elementary PE 1 3
KIN 304 Secondary School Wellness Education 6
KIN 305 Pedagogy and Critical Issues in Urban School Wellness Education 3
KIN 347 Software Applications and Assessment HPE 3
KIN 403 School Wellness Education Practicum 6

Wellness and Applied Science Content Knowledge
EXS 241 Body Systems and Applied Anatomy I 3
EXS 361 Body Systems and Applied Anatomy II 3
HEA 304 Family Life and Sex Education 3
HEA 316 ATOD Prevention Education 3
NTD 300 Nutrition Pedagogy 3

Activity Modules
KIN 102 Adventure and Contemporary Activities 2
KIN 104 Fitness and Wellness I 2
KIN 105 Fitness and Wellness II 2
KIN 201 Developmental Gymnastics and Dance 2
KIN 202 Invasion Games 2
KIN 203 Net and Wall Games 2
Select one of the following: 2
KIN 140 Aquatic Fundamentals/ Emergency Water Safety 3
KIN 275 Lifeguarding 3

Student Teaching
KIN 489 Student Teaching 1,2 6
KIN 490 Student Teaching 1,2 6

Other Degree Completion Requirements
Student Teaching Prerequisites: Formal Admission to Teacher Education (F.A.T.E.), documentation of Praxis II trial, completion of required major coursework with “C” or better and completion of Pre-Professional Experiences (PPE’s)

Graduation Requirement: Cumulative GPA of 3.0.

Total Minimum Credits Required 120

1 Clearances required (Child Abuse, Police Check, FBI Fingerprinting, TB Test)
2 Requires Formal Admission to Teacher Education (FATE)

GPA Requirement: Students must maintain the required GPA in accordance with the criteria for formal admission to the teacher education program. Students must attain a C or better in all required KIN major coursework. Please see the Educator Preparation Programs (p. 266) section in the catalog.

Note: Students also must have the following:
• Documentation of Praxis II trial.
• Field clearances required (child abuse, criminal record check, FBI fingerprinting, and TB test).

Sample Course Plan
To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

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<th>Course</th>
<th>Year One</th>
<th>Title</th>
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<td>KIN 103</td>
<td>Introduction to Teaching Physical Education</td>
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<td>KIN 104</td>
<td>Fitness and Wellness I</td>
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<td>KIN 186</td>
<td>Motor Teaching and Motor Learning</td>
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<tr>
<td>EXS 241</td>
<td>Body Systems and Applied Anatomy I</td>
<td>3</td>
</tr>
<tr>
<td>LIT 165</td>
<td>Topics in Literature or Introduction to World Literature</td>
<td>3</td>
</tr>
<tr>
<td>HEA 304</td>
<td>Family Life and Sex Education</td>
<td>3</td>
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<tr>
<td>EDP 250</td>
<td>Educational Psychology</td>
<td>3</td>
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<tr>
<td>2nd Math</td>
<td>Gen Ed</td>
<td>3</td>
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<td>Gen Ed</td>
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<table>
<thead>
<tr>
<th>Year Three</th>
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<tbody>
<tr>
<td>Fall</td>
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<tr>
<td>HEA 306</td>
<td>Curriculum and Instruction (only enroll in section for HPE majors)</td>
<td>3</td>
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<td>HEA 440</td>
<td>School Health Programs</td>
<td>3</td>
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<tr>
<td>KIN 202</td>
<td>Invasion Games</td>
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<td>KIN 300</td>
<td>Curriculum and Instruction Elementary PE</td>
<td>3</td>
</tr>
<tr>
<td>Credits</td>
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</tr>
</tbody>
</table>
## B.S. IN EXERCISE SCIENCE - EXERCISE SCIENCE SPECIALIST CONCENTRATION

**College of Health Sciences**

### Curriculum

**General Education Requirements** ([http://catalog.wcupa.edu/undergraduate/general-education-requirements](http://catalog.wcupa.edu/undergraduate/general-education-requirements))

### English Composition Requirements

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>WRT 120</td>
<td>3</td>
</tr>
<tr>
<td>WRT 200</td>
<td>3</td>
</tr>
<tr>
<td>or WRT 204</td>
<td>3</td>
</tr>
<tr>
<td>or WRT 205</td>
<td>3</td>
</tr>
<tr>
<td>or WRT 206</td>
<td>3</td>
</tr>
<tr>
<td>or WRT 208</td>
<td>3</td>
</tr>
<tr>
<td>or WRT 220</td>
<td>3</td>
</tr>
</tbody>
</table>

### Mathematics Requirement

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>MAT 121</td>
<td>3</td>
</tr>
</tbody>
</table>

### Public Speaking Requirement

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>SPK 208</td>
<td>3</td>
</tr>
<tr>
<td>or SPK 230</td>
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</tbody>
</table>

### Science Requirements

See Related Requirements under your concentration to fulfill these credits.

### Behavioral & Social Science Requirements

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>PSY 100</td>
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</tr>
<tr>
<td>SOC 200</td>
<td>3</td>
</tr>
<tr>
<td>or SOC 240</td>
<td>3</td>
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</tbody>
</table>

### Concentration Requirements

Students must take the required courses in their concentration to reach the 120 credits required for graduation.

### Total Minimum Credits Required

120

---

*B. S. IN EXERCISE SCIENCE - EXERCISE SCIENCE SPECIALIST CONCENTRATION*

**Exercise Science Specialist**

Students graduating as an Exercise Science Specialist are prepared to conduct adult fitness programs, prescribe and administer exercise in settings such as hospitals, clinics, corporations, or community centers, and work as personal trainers or strength and conditioning coaches.

### Related Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>BIO 100</td>
<td>3</td>
</tr>
<tr>
<td>or BIO 110</td>
<td>3</td>
</tr>
<tr>
<td>CHE 107</td>
<td>4</td>
</tr>
<tr>
<td>or CHE 103</td>
<td>4</td>
</tr>
<tr>
<td>CRL 107</td>
<td>1</td>
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<tr>
<td>or CRL 103</td>
<td>1</td>
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<tr>
<td>PHY 100</td>
<td>3</td>
</tr>
<tr>
<td>or PHY 271</td>
<td>2</td>
</tr>
<tr>
<td>or SMD 204</td>
<td>2</td>
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</table>

**Student Electives**

Students must take electives to fulfill 120 credit hour minimum.

---

Humanities Requirements 6

Arts Requirement 3

Diverse Communities Requirement 3

Interdisciplinary Requirement 3

Writing Emphasis Requirements 9

Major Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>EXS 103</td>
<td>3</td>
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<tr>
<td>EXS 180</td>
<td>3</td>
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<tr>
<td>EXS 270</td>
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<td>EXS 223</td>
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<td>EXS 280</td>
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<td>EXS 362</td>
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<td>EXS 362</td>
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<td>EXS 375</td>
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<td>EXS 380</td>
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<td>EXS 482</td>
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<td>EXS 484</td>
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<tr>
<td>EXS 489</td>
<td>1</td>
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<tr>
<td>EXS 490</td>
<td>3</td>
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Related/Cognate Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BIO 259</td>
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</tr>
<tr>
<td>BIO 269</td>
<td>4</td>
</tr>
<tr>
<td>NTD 303</td>
<td>3</td>
</tr>
</tbody>
</table>

**Concentration Requirements**

Students must take the required courses in their concentration to reach the 120 credits required for graduation.

**Total Minimum Credits Required**

120

---

1. In order to graduate, a minimum grade of C- or better in all exercise science core courses is required.
Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Year One</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIO 259</td>
<td>Human Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>MAT 121</td>
<td>Introduction to Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>PHY 100 or</td>
<td>Elements of Physical Science or General Physics I</td>
<td>3</td>
</tr>
<tr>
<td>PHY 130</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EXS 101</td>
<td>Group Exercise Leadership</td>
<td>2</td>
</tr>
<tr>
<td>EXS 102</td>
<td>Fundamentals of Resistance Training Techniques</td>
<td>2</td>
</tr>
<tr>
<td>EXS 180</td>
<td>Lifetime Fitness Concepts</td>
<td>3</td>
</tr>
<tr>
<td>EXS 223</td>
<td>Kinetic Anatomy</td>
<td>2</td>
</tr>
<tr>
<td>Electives</td>
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<td>11</td>
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<tr>
<td></td>
<td><strong>Credits</strong></td>
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<tr>
<td><strong>Year Two</strong></td>
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<td></td>
</tr>
<tr>
<td>BIO 269</td>
<td>Human Anatomy and Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>SMD 271</td>
<td>First Aid and Athletic Training</td>
<td>2</td>
</tr>
<tr>
<td>NTD 303</td>
<td>Introductory Principles Human Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>EXS 362 &amp; EXL</td>
<td>Biomechanics and Biomechanics Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>EXS 270</td>
<td>Motor Learning</td>
<td>3</td>
</tr>
<tr>
<td>EXS 380 &amp; EXL</td>
<td>Exercise Physiology and Exercise Physiology Lab</td>
<td>4</td>
</tr>
<tr>
<td>Electives</td>
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<td><strong>Credits</strong></td>
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<tr>
<td><strong>Year Three</strong></td>
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<td></td>
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<tr>
<td>EXS 375</td>
<td>Sport and Exercise Psychology</td>
<td>3</td>
</tr>
<tr>
<td>EXS 381</td>
<td>Fitness Assessment - Exercise Prescription</td>
<td>3</td>
</tr>
<tr>
<td>EXS 482</td>
<td>Strength Training and Conditioning</td>
<td>4</td>
</tr>
<tr>
<td>EXS 484</td>
<td>Organization and Management of Adult Fitness Programs Clinic/Seminar</td>
<td>3</td>
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<tr>
<td>Select one of the following:</td>
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<tr>
<td>CHE 103 &amp; CRL 10</td>
<td>General Chemistry I &amp; Experimental General Chemistry I (LAB)</td>
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<tr>
<td>CHE 107 &amp; CRL 10</td>
<td>General Chemistry for Allied Health Sciences and General Chemistry Lab for Allied Health Sciences</td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td>12</td>
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<tr>
<td></td>
<td><strong>Credits</strong></td>
<td><strong>29-30</strong></td>
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<tr>
<td><strong>Year Four</strong></td>
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<td></td>
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<tr>
<td>EXS 486</td>
<td>Exercise Prescription - Special Population</td>
<td>3</td>
</tr>
<tr>
<td>EXS 489</td>
<td>Clinical Exercise Testing and Interpretation</td>
<td>3</td>
</tr>
<tr>
<td>EXS 490</td>
<td>Internship</td>
<td>3</td>
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<tr>
<td>Electives</td>
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B.S. IN EXERCISE SCIENCE - PRE-CHIROPRACTIC CONCENTRATION

College of Health Sciences

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>WRT 120</td>
<td>Effective Writing I</td>
<td>6</td>
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<tr>
<td>WRT 200</td>
<td>Critical Writing and Research</td>
<td></td>
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<tr>
<td>or WRT 204</td>
<td>Critical Writing: Approaches to Pop Culture</td>
<td></td>
</tr>
<tr>
<td>or WRT 205</td>
<td>Critical Writing: Investigating Experience</td>
<td></td>
</tr>
<tr>
<td>or WRT 206</td>
<td>Critical Writing: Multidisciplinary Imagination</td>
<td></td>
</tr>
<tr>
<td>or WRT 208</td>
<td>Critical Writing: Entering Public Sphere</td>
<td></td>
</tr>
<tr>
<td>or WRT 220</td>
<td>Critical Writing: Special Topics</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Mathematics requirement</strong></td>
<td>3</td>
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<tr>
<td>MAT 121</td>
<td>Introduction to Statistics I</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Public Speaking requirement</strong></td>
<td>3</td>
</tr>
<tr>
<td>SPK 208</td>
<td>Public Speaking</td>
<td></td>
</tr>
<tr>
<td>or SPK 230</td>
<td>Business and Professional Speech Communication</td>
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<tr>
<td></td>
<td><strong>Science requirements</strong></td>
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<tr>
<td></td>
<td>See Related Requirements under your concentration to fulfill these credits.</td>
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</tr>
<tr>
<td></td>
<td><strong>Behavioral &amp; Social Science requirements</strong></td>
<td>6</td>
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<tr>
<td></td>
<td><strong>Humanities requirements</strong></td>
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<tr>
<td></td>
<td><strong>Arts requirement</strong></td>
<td>3</td>
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<tr>
<td></td>
<td><strong>Diverse Communities requirement</strong></td>
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<td></td>
<td><strong>Interdisciplinary requirement</strong></td>
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<td><strong>Writing Emphasis requirements</strong></td>
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<td></td>
<td><strong>Major Requirements</strong></td>
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<tr>
<td>EXS 103</td>
<td>Fundamentals of Group Exercise and Resistance Training</td>
<td>3</td>
</tr>
<tr>
<td>EXS 180</td>
<td>Lifetime Fitness Concepts</td>
<td>3</td>
</tr>
<tr>
<td>EXS 270</td>
<td>Motor Learning</td>
<td>3</td>
</tr>
<tr>
<td>EXS 223</td>
<td>Kinetic Anatomy</td>
<td>2</td>
</tr>
<tr>
<td>EXS 280</td>
<td>The Exercise Science Profession</td>
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<tr>
<td>EXS 362</td>
<td>Biomechanics</td>
<td>3</td>
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<tr>
<td>EXL 362</td>
<td>Biomechanics Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>EXS 375</td>
<td>Sport and Exercise Psychology</td>
<td>3</td>
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<tr>
<td>EXS 380</td>
<td>Exercise Physiology</td>
<td>3</td>
</tr>
<tr>
<td>EXL 380</td>
<td>Exercise Physiology Lab</td>
<td>1</td>
</tr>
<tr>
<td>EXS 381</td>
<td>Fitness Assessment - Exercise Prescription Lab</td>
<td>3</td>
</tr>
<tr>
<td>EXS 482</td>
<td>Strength Training and Conditioning</td>
<td>4</td>
</tr>
<tr>
<td>EXS 484</td>
<td>Organization and Management of Adult Fitness Programs Clinic/Seminar</td>
<td>3</td>
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<tr>
<td>EXS 486</td>
<td>Exercise Prescription - Special Population</td>
<td>3</td>
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<tr>
<td>EXS 489</td>
<td>Clinical Exercise Testing and Interpretation</td>
<td>3</td>
</tr>
<tr>
<td>EXL 489</td>
<td>Clinical Exercise Testing and Interpretation Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>EXS 490</td>
<td>Internship</td>
<td>3</td>
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<td></td>
<td><strong>Related/Cognate Requirements</strong></td>
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<tr>
<td>BIO 259</td>
<td>Human Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>BIO 269</td>
<td>Human Anatomy and Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>NTD 303</td>
<td>Introductory Principles Human Nutrition</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Concentration Requirements</strong></td>
<td></td>
</tr>
</tbody>
</table>
Students must take the required courses in their concentration to reach the 120 credits required for graduation.

**Total Minimum Credits Required** 120

In order to graduate, a minimum grade of C- or better in all exercise science core courses is required.

**Pre-Chiropractic Concentration**

Students graduating in the Pre-Chiropractic concentration are prepared for entrance into a graduate chiropractic program.

**Related Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 110</td>
<td>General Biology</td>
<td>3</td>
</tr>
<tr>
<td>CHE 103</td>
<td>General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CRL 103</td>
<td>Experimental General Chemistry I (LAB)</td>
<td>1</td>
</tr>
<tr>
<td>CHE 104</td>
<td>General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CRL 104</td>
<td>Experimental General Chemistry II (LAB)</td>
<td>1</td>
</tr>
<tr>
<td>PHY 130</td>
<td>General Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHY 140</td>
<td>General Physics II</td>
<td>4</td>
</tr>
<tr>
<td>EXS 222</td>
<td>Introduction to Medical Terminology and Drug Classifications</td>
<td>2</td>
</tr>
</tbody>
</table>

**Student Electives** 2

Students must take electives to fulfill the 120 credit minimum.

In order to graduate with a B.S. in Exercise Science - Pre-Chiropractic Concentration, a minimum grade of C- or better in all exercise science, related/cognate requirements, and Pre-Chiro related requirements is required.

**Sample Course Plan**

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year One</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIO 110</td>
<td>General Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIO 259</td>
<td>Human Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>MAT 121</td>
<td>Introduction to Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>PHY 130</td>
<td>General Physics I</td>
<td>4</td>
</tr>
<tr>
<td>EXS 101</td>
<td>Group Exercise Leadership</td>
<td>2</td>
</tr>
<tr>
<td>EXS 102</td>
<td>Fundamentals of Resistance Training Techniques</td>
<td>2</td>
</tr>
<tr>
<td>EXS 180</td>
<td>Lifetime Fitness Concepts</td>
<td>3</td>
</tr>
<tr>
<td>EXS 223</td>
<td>Kinetic Anatomy</td>
<td>2</td>
</tr>
<tr>
<td>Electives</td>
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<td>7</td>
</tr>
<tr>
<td>Credits</td>
<td>30</td>
<td></td>
</tr>
</tbody>
</table>

| Year Two | | |
| BIO 269 | Human Anatomy and Physiology II | 4 |
| CHE 103 | General Chemistry I | 3 |
| CRL 103 | Experimental General Chemistry I (LAB) | 1 |
| CHE 104 | General Chemistry II | 3 |
| CRL 104 | Experimental General Chemistry II (LAB) | 1 |
| NTD 303 | Introductory Principles Human Nutrition | 3 |
| EXS 362 | Biomechanics and Biomechanics Laboratory | 4 |
| EXS 270 | Motor Learning | 3 |
| EXS 380 | Exercise Physiology and Exercise Physiology Lab | 4 |
| Electives | | 2 |
| Credits | 30 |

| Year Three | | |
| CHE 231 | Organic Chemistry I or Experimental Organic Chemistry | 4 |
| CRL 231 | I Lab and Experimental Organic Chemistry II Lab | 3 |
| CRL 232 | | |
| PHY 140 | General Physics II | 4 |
| EXS 375 | Sport and Exercise Psychology | 3 |
| EXS 381 | Fitness Assessment - Exercise Prescription | 3 |
| EXS 482 | Strength Training and Conditioning | 4 |
| EXS 484 | Organization and Management of Adult Fitness Programs Clinic/Seminar | 3 |
| Electives | | 6 |
| Credits | 29 |
| Year Four | | |
| CHE 476 | Biochemistry I | 5 |
| & CRL 476 | and Experimental Biochemistry I Lab | 3 |
| EXS 486 | Exercise Prescription - Special Population | 3 |
| EXS 489 | Clinical Exercise Testing and Interpretation | 3 |
| EXS 490 | Internship | 3 |
| Electives | | 15 |
| Credits | 29 |
| Total Credits | 115 |

Students should preview potential graduate school websites. Graduate programs list required undergraduate prerequisite courses. If the above list of courses does not include required prerequisites, then those courses may be taken at WCU as electives in the program.

**B.S. IN EXERCISE SCIENCE - PRE-OCCUPATIONAL THERAPY CONCENTRATION**

*College of Health Sciences*

**Curriculum**

The concentration is designed to prepare students for entrance into a professional graduate-level school of occupational therapy. Occupational therapists and occupational therapy assistants work with a variety of individuals who have difficulty accessing or performing meaningful occupations. Most commonly, these therapists and assistants work with people with disabilities to maximize their skills and abilities. Services typically include:

1. Customized intervention programs to improve one's ability to perform daily activities
2. Comprehensive home and job site evaluations with adaptation recommendations
3. Performance skills assessments and treatments
4. Adaptive equipment recommendations and usage training
5. Guidance to family members and caregivers

**General Education Requirements** (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
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<td>English Composition</td>
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<td>WRT 120</td>
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<td>WRT 200</td>
<td>Critical Writing and Research</td>
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<tr>
<td>or WRT 204</td>
<td>Critical Writing: Approaches to Pop Culture</td>
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</table>
Occupational therapy programs accept a limited number of students and students graduating in the pre-occupational therapy concentration are highly competitive - the student is encouraged to maintain a GPA of 3.3 or better while in this concentration.

**Related Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 100</td>
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<tr>
<td>BIO 110</td>
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<td>4</td>
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<td>CHE 103</td>
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<td>General Chemistry Lab for Allied Health Sciences</td>
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<tr>
<td>CRL 103</td>
<td>Experimental General Chemistry I (LAB)</td>
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<tr>
<td>PHY 100</td>
<td>Elements of Physical Science</td>
<td>3</td>
</tr>
<tr>
<td>EXS 222</td>
<td>Introduction to Medical Terminology and Drug Classifications</td>
<td></td>
</tr>
<tr>
<td>PSY 210</td>
<td>Developmental Psychology: Lifespan</td>
<td>3</td>
</tr>
<tr>
<td>PSY 375</td>
<td>Abnormal Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Student Electives**

Students must take electives to fulfill the 120 credit hour minimum.

**Sample Course Plan**

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

**Course Year One**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BIO 259</td>
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<td>MAT 121</td>
<td>Introduction to Statistics I</td>
<td>3</td>
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<tr>
<td>PHY 100</td>
<td>Elements of Physical Science</td>
<td>3</td>
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<tr>
<td>or PHY 130</td>
<td>General Physics I</td>
<td></td>
</tr>
<tr>
<td>PSY 100</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>EXS 101</td>
<td>Group Exercise Leadership</td>
<td>2</td>
</tr>
<tr>
<td>EXS 102</td>
<td>Fundamentals of Resistance Training Techniques</td>
<td>2</td>
</tr>
<tr>
<td>EXS 180</td>
<td>Lifetime Fitness Concepts</td>
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**Course Year Two**

<table>
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<th>Title</th>
<th>Credits</th>
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<tbody>
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<td>Human Anatomy and Physiology II</td>
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</tr>
<tr>
<td>NTD 303</td>
<td>Introductory Principles Human Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>EXS 362</td>
<td>Biomechanics</td>
<td>4</td>
</tr>
<tr>
<td>&amp; EXS 363</td>
<td>and Biomechanics Laboratory</td>
<td></td>
</tr>
<tr>
<td>EXS 270</td>
<td>Motor Learning</td>
<td>3</td>
</tr>
<tr>
<td>EXS 380</td>
<td>Exercise Physiology</td>
<td>4</td>
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<td>&amp; EXS 381</td>
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<td>Introduction to Medical Terminology and Drug Classifications</td>
<td>2</td>
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<td>CHE 107</td>
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</tr>
<tr>
<td>&amp; CRL 100</td>
<td>and General Chemistry Lab for Allied Health Sciences</td>
<td></td>
</tr>
</tbody>
</table>

**Pre-Occupational Therapy**

Students graduating in the pre-occupational therapy concentration are prepared for entrance into a school of occupational therapy. Occupational therapy programs accept a limited number of students and students graduating in the pre-occupational therapy concentration are highly competitive - the student is encouraged to maintain a GPA of 3.3 or better while in this concentration.

**Related Requirements**

<table>
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<tbody>
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**Student Electives**

Students must take electives to fulfill the 120 credit hour minimum.

**Sample Course Plan**

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<tr>
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**Course Year Two**

<table>
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<td>Biomechanics</td>
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</tr>
<tr>
<td>&amp; EXS 363</td>
<td>and Biomechanics Laboratory</td>
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<td>EXS 270</td>
<td>Motor Learning</td>
<td>3</td>
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<tr>
<td>EXS 380</td>
<td>Exercise Physiology</td>
<td>4</td>
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<td>&amp; EXS 381</td>
<td>and Exercise Physiology Lab</td>
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<td>Introduction to Medical Terminology and Drug Classifications</td>
<td>2</td>
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<td><strong>Total</strong></td>
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<tr>
<td>CHE 107</td>
<td>General Chemistry for Allied Health Sciences</td>
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</tr>
<tr>
<td>&amp; CRL 100</td>
<td>and General Chemistry Lab for Allied Health Sciences</td>
<td></td>
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</tbody>
</table>

1 In order to graduate, a minimum grade of C- or better in all exercise science core courses is required.

2 In order to graduate with a B.S. in Exercise Science - Pre-Occupational Therapy Concentration, a minimum grade of C- or better in all exercise science, related/cognate requirements, and Pre-OT related requirements is required.
Diverse Communities requirement 3
Interdisciplinary requirement 3
Writing Emphasis requirements 9

Major Requirements 1
EXS 103 Fundamentals of Group Exercise and Resistance Training 3
EXS 180 Lifetime Fitness Concepts 3
EXS 270 Motor Learning 3
EXS 223 Kinetic Anatomy 2
EXS 280 The Exercise Science Profession 1
EXS 362 Biomechanics 3
EXL 362 Biomechanics Laboratory 1
EXS 375 Sport and Exercise Psychology 3
EXS 380 Exercise Physiology 3
EXL 380 Exercise Physiology Lab 1
EXS 381 Fitness Assessment - Exercise Prescription 3
EXL 381 Fitness Assessment - Exercise Prescription Lab 1
EXS 482 Strength Training and Conditioning 4
EXS 484 Organization and Management of Adult Fitness Programs Clinic/Seminar 3
EXS 486 Exercise Prescription - Special Population 3
EXS 489 Clinical Exercise Testing and Interpretation 3
EXL 489 Clinical Exercise Testing and Interpretation Laboratory 1
EXS 490 Internship (internship under the direction of a licensed therapist) 3

Related/Cognate Requirements 1
BIO 259 Human Anatomy and Physiology I 4
BIO 269 Human Anatomy and Physiology II 4
NTD 303 Introductory Principles Human Nutrition 3

Concentration Requirements
Students must take the required courses in their concentration to reach the 120 credits required for graduation.

Total Minimum Credits Required 120

1 In order to graduate, a minimum grade of C- or better in all exercise science core courses is required.

Pre-Physical Therapy

Students graduating in the pre-physical therapy concentration are prepared for entrance into a school of physical therapy. Physical therapy programs accept a limited number of students and are highly competitive - the student is encouraged to maintain a GPA of 3.5 or better while in this concentration.

Related Requirements 2
BIO 110 General Biology 3
CHE 103 General Chemistry I 3
CRL 103 Experimental General Chemistry I (LAB) 1
CHE 104 General Chemistry II 3
CRL 104 Experimental General Chemistry II (LAB) 1
PHY 130 General Physics I 4
PHY 140 General Physics II 4
EXS 222 Introduction to Medical Terminology and Drug Classifications 2

Student Electives
Students must take electives to fulfill the 120 credit minimum.

2 In order to graduate with a B.S. in Exercise Science - Pre-Physical Therapy Concentration, a minimum grade of C- or better in all exercise science, related/cognate requirements, and Pre-PT related requirements is required.
Sample Course Plan

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<td>BIO 110</td>
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<td>BIO 269</td>
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<td>EXS 362</td>
<td>Biomechanics</td>
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<td>EXS 362 &amp; EXL 362</td>
<td>and Biomechanics Laboratory</td>
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<td>EXS 270</td>
<td>Motor Learning</td>
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<td>EXS 380</td>
<td>Exercise Physiology</td>
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<td>and Exercise Physiology Lab</td>
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<td>and Experimental General Chemistry I (LAB)</td>
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<td>EXS 375</td>
<td>Sport and Exercise Psychology</td>
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<td>EXS 381</td>
<td>Fitness Assessment - Exercise Prescription</td>
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<tr>
<td>EXS 482</td>
<td>Strength Training and Conditioning</td>
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<td>EXS 484</td>
<td>Organization and Management of Adult Fitness Programs Clinic/Seminar</td>
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<td>CHE 104</td>
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<td>and Experimental General Chemistry II (LAB)</td>
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<td>EXS 486</td>
<td>Exercise Prescription - Special Population</td>
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<td>EXS 489</td>
<td>Clinical Exercise Testing and Interpretation</td>
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<td>EXS 490</td>
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</table>

MINOR IN COACHING

**Course of Health Sciences**

Students successfully completing the minor in coaching earn transcript recognition attesting to school administrators that recipients have attained basic preparation for coaching. Skill acquisition, management techniques, and behavioral competencies are included in the program. The program is open to students from any major. Students should apply through the minor program adviser, Dr. John Helion. Course work is divided into six groupings in order to meet National Association for Sport and Physical Education (NASPE) guidelines.

**Group I**
- SMD 271 First Aid and Athletic Training 2
**Group II**
- KIN 452 Principles Of Coaching 3
**Group III**
- Select one of the following:
  - EXS 362 Biomechanics
  - EXS 361 Body Systems and Applied Anatomy II
  - EXS 585 Biomechanics
**Group IV**
- EXS 364 Introduction to Exercise Physiology 3
- or EXS 380 Exercise Physiology
**Group V**
- EXS 482 Strength Training and Conditioning 4
- or SMD 454 Theories/Practices of Conditioning & Tng
**Group VI**
- KIN 475 Mental Training In Sport 3

**Total Credits** 18

MINOR IN EXERCISE SCIENCE

**Course of Health Sciences**

The Exercise Science Minor is designed to impart fundamental knowledge, skills, and abilities in the theories and practice of exercise science. The minor will also provide learning experiences that lead to a basic understanding of exercise techniques, exercise testing, and exercise prescription.

**Required Courses**
- EXS 223 Kinetic Anatomy 2
- EXS 362 Biomechanics 3
- EXS 375 Sport and Exercise Psychology 3
- EXS 380 Exercise Physiology 3
- EXS 381 Fitness Assessment - Exercise Prescription 3
- EXS 482 Strength Training and Conditioning 4

**Related Requirements**
- BIO 259 Human Anatomy and Physiology I 4
- BIO 269 Human Anatomy and Physiology II 4
- PHY 100 Elements of Physical Science 3
- PSY 100 Introduction to Psychology 3

**Total Minimum Credits Required** 32

1. In order to graduate, students must pass all required courses with a C- or better.
2. Students must complete all of the related requirements in order to have the prerequisites required for the EXS minor courses.
MINOR IN PHYSICAL EDUCATION FOR INDIVIDUALS WITH DISABILITIES

College of Health Sciences

The minor in Physical Education for Individuals with Disabilities is designed to enable students to plan, implement, and advocate for developmentally appropriate physical activities for people with a variety of physical and cognitive disabilities in schools, fitness centers, recreation centers, and residential facilities. Practical application is stressed in this minor; students will participate in approximately 200 hours of hands-on work. The minor prepares those in HPE-teacher certification to be eligible for the APENS (Adapted Physical Education National Standards) exam but is open to any WCU students who meet the prerequisites. Other certifications are offered within various courses.

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>KIN 205</td>
<td>Curriculum and Instruction: Inclusion in Health &amp; Physical Education</td>
<td>3</td>
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<tr>
<td>KIN 206</td>
<td>Adapted PE &amp; Health for Students with Disabilities</td>
<td>3</td>
</tr>
<tr>
<td>KIN 253</td>
<td>Adapted Aquatics, Lifetime Sport and Fitness</td>
<td>3</td>
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<tr>
<td>KIN 254</td>
<td>Disability Studies: An Interdisciplinary Introduction</td>
<td>3</td>
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<td>KIN 360</td>
<td>Path for Adapted Phys Act Specialists</td>
<td>3</td>
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<td>KIN 362</td>
<td>Assessment and Programming Adapt Phy Act</td>
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<tr>
<td>KIN 400</td>
<td>Professional Seminar - Adapted Physical Activity</td>
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</table>

Prerequisites

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
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<td>Motor Development and Motor Learning</td>
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<td>or EKS 270</td>
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</tbody>
</table>

Total Credits 24

DEPARTMENT OF LANGUAGES AND CULTURES

College of Arts and Humanities

224 Mitchell Hall
610-436-2700
Department of Languages and Cultures (http://www.wcupa.edu/languagesCultures)
Cristóbal Cardemil-Krause (CCardemil-Krause@wcupa.edu), Interim Chairperson
Megan Corbin (mcorbin@wcupa.edu), Interim Assistant Chairperson

Programs of Study

The Department of Languages and Cultures offers a degree program that leads to the Bachelor of Arts in Languages and Cultures, with concentrations in French, German, Russian, and Spanish. The degree can be taken with or without K-12 Pennsylvania teaching certification. The degree-granting program includes a common core of 6 credits in English for all students, a required Immersion Experience, and 30 credits of course work in the target language. Additionally, students will be able to double major and choose from one or more minors in French, German, Italian, Russian, and/or Spanish.

- Bachelor of Arts in Languages and Cultures (BALC), with a concentration in: French, German, Russian, or Spanish
- Bachelor of Arts in Languages and Cultures with Elective Certification with a concentration in: French, German, Russian, or Spanish

The Instructional I Certificate in a language qualifies the holder to teach his or her major language in the public schools (kindergarten through 12th grade) of Pennsylvania.

Minors: Arabic, Chinese, Deaf Studies, French, German, Italian, Japanese, Latin, Russian, Spanish, Latin American and Latino/a Studies, and Linguistics.

The Study Abroad Program and Immersion Experiences

Majors and minors in languages are strongly encouraged to study abroad for immersion experiences. If study abroad for an entire year is not feasible, students should plan to study for a semester or, at least, one summer. The department advises students in cooperation with the Center for International Programs and cooperates with other PASSHE schools in affording students study abroad venues. (In the event that a language major is unable to complete the immersion experience, the Department will make other options available.)

Students in the department can choose from a broad range of study abroad options in all of the languages covered by the department (whether at the major or the minor level), in either WCU faculty-led programs and collaborations with study abroad organizations from all over the world. Please contact the Center for International Programs for approved programs of study. The department's webpage contains information and updates on our study abroad programs.

Programs

Majors in Languages and Cultures

- B.A. in Languages and Cultures - French Concentration (p. 345)
- B.A. in Languages and Cultures - German Concentration (p. 346)
- B.A. in Languages and Cultures - Russian Concentration (p. 348)
- B.A. in Languages and Cultures - Spanish Concentration (p. 349)
- B.A. in Languages and Cultures with Elective Certification - French Concentration (p. 350)
- B.A. in Languages and Cultures with Elective Certification - German Concentration (p. 352)
- B.A. in Languages and Cultures with Elective Certification - Russian Concentration (p. 353)
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Minors in Languages and Cultures

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- Italian (p. 356)
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Graduate Opportunities

See the graduate catalog for more information on the Languages and Cultures programs. (http://catalog.wcupa.edu/graduate/arts-humanities/languages-cultures)
**Policies**

- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

**Language Placement**

**Second Language Placement Examination**

All students who are pursuing a Bachelor of Arts (BA) degree or who enter WCU as a Pre-Major (Undeclared) student are required to complete the Second Language Placement section. Depending on your answers on this section, you will be placed by means of an online test (if there is an online test available for your language), or you will be contacted by the Department of Languages and Cultures to be placed (if there is no online test available for your language).

The online test is available for these languages: Chinese, French, German, Russian, Spanish. For the following languages, you will be contacted by the Department of Languages and Cultures:

- Your score on the online test will be determined by your answers on this section, you will be placed by means of an online test (if there is an online test available for your language).
- Based on other factors (years of language study in high school, at-home use of the language, time since the language was last taken, etc.), your final placement may be different from the equivalence indicated by your online test score.
- Instructions on taking the online Second Language Placement Examination can be found in the WCU Placement Portal on myWCU. If you have questions about the Second Language Placement they can email the Languages and Cultures Department at mpersch@wcupa.edu.

**Faculty**

**Professors**

- Kathleen Ellis (mellis@wcupa.edu) (2009)
  B.A., University of North Carolina at Wilmington; M.Ed., Bowling Green State University; Ph.D., Michigan State University
- Margarete J. Landwehr (mlandwehr@wcupa.edu) (1992)
  Graduate Coordinator, Languages and Cultures
- B.S., Georgetown University; M.A., Ph.D., Harvard University
- Michel H. Sage (msage@wcupa.edu) (1994)
  Graduate Coordinator, Languages and Cultures
- M.A., San Diego University; Ph.D., University of California, Berkeley
- Alice J. Speh (aspeh@wcupa.edu) (1989)
  Director, Liberal Studies Program
  Director, Russian Studies Program
- A.B., Brown University; M.A., Ph.D., Bryn Mawr College
- Maria van Liew (mvanliew@wcupa.edu) (1998)
  B.A., Clark University; Ph.D., University of California, San Diego
- Andrea Varricchio (avarricchio@wcupa.edu) (1986)
  Graduate Coordinator, Languages and Cultures
- B.A., Chestnut Hill College; M.A., Middlebury College; Ph.D., Temple University

**Associate Professors**

- Mahmoud Amer (mamer@wcupa.edu) (2011)
  B.A., Mutah University; M.A., University of Toledo; Ph.D., Indiana University of Pennsylvania
- Maria José Cabrera (mcabrera@wcupa.edu) (2007)
  B.A., Universidad de Murcia (Spain); M.A., West Virginia University; Ph.D., Rutgers University
- Marcos Campillo–Fenoll (mcampillo@wcupa.edu) (2009)
  B.A., Universidad de Murcia (Spain); M.A., Ph.D., University of Illinois at Urbana-Champaign
- Gloria Maité Hernández (ghernandez@wcupa.edu) (2011)
  B.F.A., Instituto Superior de Arte (Cuba); Ph.D., Emory University
- Anne-Marie L. Moscatelli (amoscatelli@wcupa.edu) (1991)
  B.A., Fordham University; M.A., Ph.D., Bryn Mawr College
- Megan Saltzman (msaltzman@wcupa.edu) (2012)
  B.A., M.A., Ph.D., University of Michigan
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  B.A., University of Valladolid (Spain); M.A., San Diego State University; Ph.D., University of California, Berkeley
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- Michaela Lenkova Petersch (mpersch@wcupa.edu) (2016)
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  Assistant Chairperson, Languages and Cultures
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- Daniela Salvo Johannes (djohannes@wcupa.edu) (2015)
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- Dominik Wolf (dewolf@wcupa.edu) (2015)
  B.A., Gerhard Mercator University; M.A., Syracuse University; Ph.D., Michigan State University

**Assistant Professors**

- Jason A. Bartles (jbartles@wcupa.edu) (2014)
  B.A., Gettysburg College; M.A., Ph.D., University of Maryland, College Park
- Cristobal Cardemil-Krause (ckrause@wcupa.edu) (2013)
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- Licenciado en Letras, Pontificia Universidad; M.A., Ph.D., Rutgers University
- Jelena Colovic-Markovic (jcolovic@wcupa.edu) (2013)
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- Dominik Wolf (dewolf@wcupa.edu) (2015)
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- Daniela Salvo Johannes (djohannes@wcupa.edu) (2015)
  B.A., Universidad Catolica de Chile; M.A., Ph.D., University of Arizona
- Joseph W. Moser (jmoser2@wcupa.edu) (2014)
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**Instructors**

- Margaret Niiher (miilier@wcupa.edu) (2016)
  B.A., University of Delaware
Courses

ARB

ARB 101. Modern Arabic I, Elementary. 3 Credits.
Introduction to basic written and spoken Arabic language and culture; fundamentals of grammar and oral practice.
Distance education offering may be available.
Typically offered in Fall & Spring.

ARB 102. Modern Arabic II. 3 Credits.
This course is the continuation of spoken and written Arabic for students who have completed the equivalent of ARB 101.
Pre / Co requisites: ARB 102 requires a prerequisite of ARB 101.
Typically offered in Spring.

ARB 103. Intensive Elementary Arabic. 6 Credits.
This course is an intensive introduction to modern standard Arabic, with emphasis on speaking, writing, and reading. Equivalent to Arabic 101 and 102 combined.

ARB 201. Modern Arabic III. 3 Credits.
This course is a continuation of ARB 102 to further develop the four language skills and comprehend key aspects of the Arabic speaking world.
Pre / Co requisites: ARB 201 requires a prerequisite of ARB 102.
Typically offered in Fall.

ARB 202. Modern Arabic IV. 3 Credits.
This course is a continuation of practice in comprehending spoken and written Arabic for practical application.
Pre / Co requisites: ARB 202 requires a prerequisite of ARB 201.
Typically offered in Spring.

ARB 205. Intensive Intermediate Arabic. 6 Credits.
This course is to enhance students’ ability to read, discuss, and write on various contemporary topics. This course is equivalent to the competency level achieved in ARB 201 and 202.
Pre / Co requisites: ARB 205 requires a prerequisite of ARB 102.
Typically offered in Summer.

ARB 301. Advanced Modern Standard Arabic I. 3 Credits.
An advanced course in Arabic language. It emphasizes a skill-building approach that covers the essentials of listening, speaking, reading, writing, structure, and understanding, and analyzes cultural patterns reflected in language use of speakers of Arabic.
Typically offered in Fall.

ARB 302. Advanced Modern Standard Arabic II. 3 Credits.
This course builds on ARB 301 in that it emphasizes reading and writing skills. It also focuses on helping students acquire content to express critical thinking skills using Arabic.
Pre / Co requisites: ARB 302 requires prerequisite ARB 301.
Typically offered in Spring.

ALSL 101. Elementary American Sign Language I. 3 Credits.
This is the first in a sequence of 4 American Sign Language courses. Students in this course will develop a fundamental vocabulary and understanding of American Sign Language. You will recognize, comprehend, apply and demonstrate culturally appropriate linguistic behaviors (vocabulary selection, grammar usage, turn-taking skills, feedback signals, eye-gaze, etc.) in order to communicate with other students and signers. In addition, information will be provided about deaf culture, general impact, barriers and opportunities related to hearing loss and Deaf Gain.
Typically offered in Fall.
Cross listed courses CSD 110, ASL 110.

ALSL 111. Elementary American Sign Language II. 3 Credits.
This is the second of 4 courses in the ASL foreign language option. In this course students will increase communication skills; develop conversational skills in ASL. The students in this course will also continue to expand their knowledge of deaf culture by being provided with a better understanding of cultural values and behavioral roles of the Deaf community on the U.S. This course includes receptive and expressive activities, sign vocabulary, grammatical structure, receptive and expressive finger spelling, and facial expressions and body language.
Pre / Co requisites: ASL 111 requires a prerequisite of ASL 110 or CSD 110.
Typically offered in Spring.
Cross listed courses CSD 111, ASL 111.

ASL 210. Intermediate American Sign Language I. 3 Credits.
This course is the third in a sequence of 4 ASL courses. In this class you will build on what was learned in ASL/CSD 110 11, continuing to emphasize the development of proper ASL grammar, syntax and vocabulary with emphasis on conversation and narration/storytelling. Vocabulary-building and mastery of grammar will be through rigorous receptive and expressive language activities. Topics discussed in ASL include the location and description of items in rooms and buildings, complaints, making suggestions, and making requests. Exposure to and knowledge of Deaf culture is an integral part of the course.
Pre / Co requisites: ASL 210 requires a prerequisite of ASL 111 or CSD 111.
Typically offered in Fall.
Cross listed courses ASL 210, CSD 210.

ASL 211. Intermediate American Sign Language II. 3 Credits.
This is the final course in the WCU American Sign Language program and provides students with opportunities to expand their sign production and comprehension skills in ASL. Students continue to expand their awareness of ASL conventions, grammar and vocabulary, including an extensive review of topical signs and idioms. Students develop a greater competency in their receptive understanding of connected ASL discourse and in their expression of extended ideas, concepts, and stories in ASL. Their expressive competency in discussion of ideas includes an expression of their understanding of Deaf culture. Students continue the growth of their technical awareness of Deaf culture and ASL linguistics.
Pre / Co requisites: ASL 211 requires a prerequisite of ASL 210.
Typically offered in Spring.
Cross listed courses CSD 211, ASL 211.

ASL 310. Advanced American Sign Language I. 3 Credits.
Development of expressive and receptive skills in the advanced use of American Sign Language, including fingerspelling and numbers. Receptive skills focus on ASL-English interpretation, whole word phrase recognition and fingerspelling/number comprehension in text. Expressive skills focus on the development of incorporating advanced skills in storytelling, speech clarity and fluency. Students will learn how to sign cardinal numbers, ordinal numbers, time, money, dates, addresses, and telephone numbers. Fingerspelling will be developed with an emphasis on real world situations. Students will develop skill sets related to ASL-English interpreting skills.
Pre / Co requisites: ASL 310 requires a prerequisite of ASL 111 and a corequisite or prerequisite of ASL 210.
Typically offered in Fall.

ASL 311. Advanced American Sign Language II. 3 Credits.
The linguistic structure of sign languages, including American Sign Language and other used sign languages in the United States (SEE, PSE, etc), How sign languages around the world differ, and what properties they share. Accents and dialects in sign languages and how they are signed. How sign languages are similar and different from spoken languages. How and why sign languages have emerged. Advanced usage of American Sign Language including storytelling and narratives, as well as basic interpreting strategies. This course prepares students to enter interpreter training programs (ITP) to become certified ASL interpreters.
Pre / Co requisites: ASL 311 requires a prerequisite of ASL 210 and a prerequisite or corequisite of ASL 211.
Typically offered in Spring.

CHI

CHI 101. Elementary Chinese I. 3 Credits.
Introduction to elementary Mandarin Chinese with focuses on hearing, speaking, reading and writing to develop basic competence. Emphasis is on integration of all language skills.
Typically offered in Fall.
CHI 102. Elementary Chinese II. 3 Credits.
Continuation of basic language skills in speaking, reading and writing of modern Chinese with an emphasis on solid training at the beginning level. The course focuses on providing students with the basic vocabulary needed for daily conversation. Elementary reading and limited writing introduced.
Pre / Co requisites: CHI 102 requires a prerequisite of CHI 101.
Typically offered in Spring.

CHI 199. Transfer Credits. 1-9 Credits.
Transfer Credits.
Repeatable for Credit.

CHI 201. Intermediate Chinese I. 3 Credits.
Third level of Mandarin Chinese, stressing advanced pronunciation with emphasis on intensive conversation and writing. Further development of audio-lingual proficiency, with increased reading and writing skills.
Pre / Co requisites: CHI 201 requires a prerequisite of CHI 102.
Typically offered in Fall.

CHI 202. Intermediate Chinese II. 3 Credits.
Continuation of Mandarin Chinese communicative skills through study and review of grammatical structures. Composition and conversation, with focus on spoken and written communicative competence. Reading assignments and practices executed in Chinese characters.
Pre / Co requisites: CHI 202 requires a prerequisite of CHI 201.
Typically offered in Spring.

CHI 301. Advanced Chinese I. 3 Credits.
Third year Mandarin Chinese studies to continue focus on four aspects of language skills: listening, speaking, reading, writing. The course helps to expand the students' understanding of important linguistic structures. Students will be exposed intensively to both traditional and simplified Chinese characters, and gradually introduced to the formal written style expressions, in addition to expressions of spoken style.
Pre / Co requisites: CHI 301 requires a prerequisite of CHI 202.

CHI 302. Advanced Chinese II. 3 Credits.
Second half of Mandarin Chinese studies to continue focus on four aspects of language skills: listening, speaking, reading, writing to introduce topics of interest to college students and adult learners. The course helps to expand the students' understanding of important linguistic structures. Students will be exposed intensively to the formal written style expressions, in addition to expressions of spoken style.
Pre / Co requisites: CHI 302 requires a prerequisite of CHI 301.

DST

DST 255. Introduction to Deaf Studies. 3 Credits.
This course introduces students to topics central to the Deaf and Deaf community, including etiology and prevalence, diagnosis, service delivery systems, medical advances, communication, education, literature, history and media. Utilizing readings, lectures, and group discussion, students will learn about the anatomy and causes of deafness, medical, therapeutic and vocational interventions, early intervention and education of deaf children, communication strategies and their effectiveness, Deaf/Hearing relationships, and Deaf literature and media. Upon course completion, students will understand deaf individuals and their community in a holistic perspective and apply this knowledge toward their future studies into Deaf culture and ASL.
Pre / Co requisites: DST 255 requires prerequisites of (ASL 110 or CSD 110) and (ASL 111 or CSD 111).
Typically offered in Fall.

DST 355. Deaf History. 3 Credits.
The deaf experience is similar in many ways to the experience of many oppressed populations. Unique to the deaf experience is the mode of communication and the desire of hearing people to “fix problems” associated with deafness. This course will provide an in-depth investigation into the deaf experience. Specifically, this course will focus on historical aspects of deaf people and apply that knowledge to understanding the attitudes and expectations of deaf people today.
Pre / Co requisites: DST 355 requires prerequisites of ASL 110 and ASL 111, or permission of instructor.
Typically offered in Spring.

DST 357. Deaf Culture Perspectives. 3 Credits.
This course will cover a variety of issues related to the Deaf community. It will acquaint students with the history, traditions, and values within the culture of Deaf people. The history of deaf people will focus on struggles, cultural vs. pathological views, legislation and accomplishments. Traditions include the use of humor, success stories, behaviors, and empowerment. Values include the importance of Deaf culture’s perspectives on education of deaf children, communication issues, technology, and preservation of American Sign Language.
Pre / Co requisites: DST 357 requires a prerequisite of CSD 110 or ASL 110.
Typically offered in Spring.

EAR

EAR 309. Modern Arabic Culture I. 3 Credits.
This course will provide students with an introduction to Arabic Culture and foundations in order to help students understand diverse aspects of the culture and civilization, including Arabic culture in the context of its development since the pre-Islam era to present day. Emphasis will be given to modern Arab Culture.

ECH

ECH 199. Chinese Culture Cluster Transfer Credits. 3 Credits.
Transfer Credits.
Typically offered in Fall & Spring.

ECH 304. Contemporary Chinese Cinema and Society. 3 Credits.
This course provides an introduction to contemporary Chinese cinema and society, with focus on 1978 to the present in terms of cinema language, style, movement, institutional transformation, censorship, youth culture, and social concerns as well as the government's policy on language and its effects on language used in cinema. Also studied are how the various forces, such as politics, economy, and globalization shape present Chinese cinema and society. Hollywood and European art cinema will also be discussed because of their interaction with Chinese cinema.

ECH 380. Chinese Business Culture. 3 Credits.
A study of how traditional and modern Chinese culture and thought affect business operations and behaviors in China.
Gen Ed Attribute: Foreign Language Culture Cluster.

EFR

EFR 199. Transfer Credits. 1-9 Credits.
Transfer Credits.
Repeatable for Credit.

EFR 320. French Civilization (In English). 3 Credits.
(In English) A study of France’s political and educational systems and economic and religious institutions with emphasis on contemporary aspects.
Typically offered in Fall.

EFR 330. Francophone Cultures West Africa-Caribbean. 3 Credits.
A multidisciplinary approach to the cultures and civilizations of Francophone countries in West Africa and the Caribbean, including historical and geographical factors, religious and sociological structures, and literary and artistic production.
Gen Ed Attribute: Foreign Language Culture Cluster, France & Francophone Area Culture Cluster.
Typically offered in Fall.

EFR 350. French Civilization on Film. 3 Credits.
(In English) A study of French history and culture as reflected in French and French-speaking cinema.
Gen Ed Attribute: Foreign Language Culture Cluster, France & Francophone Area Culture Cluster.
Typically offered in Fall.

EFR 401. French Business Culture. 3 Credits.
This course offers an insight into the operation of modern business in France and the European Union by addressing economic systems, Management styles, customs and manners in an international context.
Gen Ed Attribute: Foreign Language Culture Cluster, France & Francophone Area Culture Cluster.
Typically offered in Fall.
EGE

EGE 199. Transfer Credits. 1-10 Credits.
Transfer Credits.
Repeatable for Credit.

EGE 323. Austrian Civilization. 3 Credits.
An interdisciplinary study of Austrian civilization, focusing on Vienna 1848-1938. The relationship of selected cultural and intellectual developments to their political and social contexts. This course employs the perspective of many disciplines but is specifically concerned with the humanities and visual arts.
Gen Ed Attribute: Foreign Language Culture Cluster, Germany Culture Cluster, Interdisciplinary Requirement.
Typically offered in Fall & Spring.

EGE 403. 20th C Masterpieces: Kafka, Mann, Hesse. 3 Credits.
An in-depth analysis of the prose works of three major 20th-century German writers. In our close reading of these works, we shall consider such narrative techniques as point-of-view, ambiguity, and irony as well as such German intellectual and artistic contributions as Expressionism, psychoanalysis, and the Bildungsroman. No knowledge of German required.
Gen Ed Attribute: Foreign Language Culture Cluster, Germany Culture Cluster.

EGE 404. Artists as Conscience: Postwar Lit/Film. 3 Credits.
An examination of the political and social issues of contemporary Germany through an analysis of literary and cinematic texts. Discussion topics include the Holocaust, Nazism, the Second World War, the Economic Miracle, the Cold War, terrorism, the feminist and peace movements, atomic warfare, and German reunification and its aftermath. No knowledge of German required.
Gen Ed Attribute: Foreign Language Culture Cluster, Germany Culture Cluster.

EGE 405. German Film: Expressionism to the New German Cinema. 3 Credits.
An analysis of German films from Expressionism to the present. We shall examine the films in terms of their political and social context and as works of art. Directors include Fritz Lang, Murnau, Wiene, Fassbinder, Herzog, Schlondorff, von Trotta, and Wenders. No knowledge of German required.

EGE 408. Masterpieces of German Theatre. 3 Credits.
A study of the various trends of 20th century German drama in the Federal Republic, the former GDR, Switzerland, and Austria, with a focus on expressionism, epic theater, and documentary theater. Taught in English. No knowledge of German required.
Gen Ed Attribute: Foreign Language Culture Cluster, Germany Culture Cluster.

EGE 409. Impact of Holocaust on Lit and Film. 3 Credits.
This course studies the causes and effects of the Holocaust through literary, philosophical, and cinematic works of post-war Europe and America. No knowledge of German required.
Gen Ed Attribute: Foreign Language Culture Cluster, Germany Culture Cluster.

EIT

EIT 321. Images of Italy. 3 Credits.
(In English) An overview of Italian geography, history, and regional cultures, along with its literary, philosophical, scientific, and artistic manifestations and contributions to the world.
Gen Ed Attribute: Foreign Language Culture Cluster, Italy (Italian) Culture Cluster.
Typically offered in Fall & Spring.

EIT 360. Italy on Film. 3 Credits.
A study of Italian history and culture as seen through a selection of feature films.
Gen Ed Attribute: Foreign Language Culture Cluster, Italy (Italian) Culture Cluster.

ERU

ERU 199. Transfer Credits. 1-9 Credits.
Transfer Credits.
Repeatable for Credit.

ERU 309. Russian Culture. 3 Credits.
(In English) A course designed to acquaint students with Russian culture and life in Russia today. No knowledge of Russian required.
Typically offered in Fall & Spring.

ERU 310. The Literature of Russia. 3 Credits.
Survey of Russian literature from its origin to the present. All works read in English. No knowledge of Russian required.
Gen Ed Attribute: Foreign Language Culture Cluster, Russia & Eastern Europe Culture Cluster.

ERU 363. Russian & Soviet Film and Literature. 3 Credits.
A comparative approach to selected 20th century Soviet and Russian works of fiction, poetry, drama, and film. No knowledge of Russian is required.
Typically offered in Fall & Spring.

ESP

ESP 199. Transfer Credits. 1-9 Credits.
Transfer Credits.
Typically offered in Fall, Spring & Summer.
Repeatable for Credit.

ESP 300. Latin-American Culture and Civilization (In English). 3 Credits.
Cultural, geographic, literary, philosophical, and artistic manifestations of the Hispanic-American world. No knowledge of Spanish is required.
Typically offered in Fall & Spring.

ESP 305. Spanish Cinema. 3 Credits.
This course will investigate the ways in which films participate in and create debates about the relationship between national identification, class, and gender. No knowledge of Spanish is required; taught in English.
Typically offered in Fall & Spring.

ESP 306. Representations of the Spanish Civil War. 3 Credits.
A study of how political activism in and outside of Spain created debates about the relationship between national culture(s), society, politics, and "official" versions of history.
Gen Ed Attribute: Foreign Language Culture Cluster, Spanish Culture Cluster.
Typically offered in Spring.

ESP 307. Spanish Women (1931 to Present). 3 Credits.
An examination of contributions of Spanish women to cultural movements that have shaped Spain’s national identity and history. Selections from novels, short stories, and poems.
Gen Ed Attribute: Foreign Language Culture Cluster, Spanish Culture Cluster.

ESP 309. Latin America on Film. 3 Credits.
The course consists of the screening and analysis of several films dealing with Latin America. It addresses critical issues (the representation of history, the socio-economic construct, the political puzzle, ethnic diversity, racial and gender discrimination, criticism of institutions) of several Latin American countries. The films stand in strong contrast to the traditional and often stereotypical image of Latin America and Hispanics fabricated by Hollywood.
Typically offered in Fall & Spring.

ESP 310. Latin American Narrative from the European Conquest to 1930s. 3 Credits.
This course is an overview of the literature of Latin America from the arrival of European conquerors through the early 20th century. Throughout the semester, we will focus on narratives of encounter and conquest, life in the Colonial period, early republican literatures in Spanish American Countries and life in Imperial Brazil, as well as texts from the first half of the 20th century. We will reflect on geographic ideological perspectives on “America” and “Latin America,” cultural and religious mixtures (hybridism, syncretism), indigenismo, and the concept of identity in regional, national, ethnic, and gender matters.
Gen Ed Attribute: Foreign Language Culture Cluster, Spanish Culture Cluster.
Typically offered in Fall & Spring.

ESP 311. Contemporary Latin American Narrative. 3 Credits.
An examination of Latin American narrative (short story, novella, novel, and testimonial literature). Spanish- and Portuguese—language writers from South and Central America, Mexico, and the Caribbean will be studied, from the period of magical realism (1950s and 1960s) through the present. They may include Isabel Allende, Jorge Amado, Miguel Angel Asturias, Jorge Luis Borges, Gabriel Garcia Marquez, Clarice Lispector, Elena Poniatowska, and Luis Rafael Sanchez.
Gen Ed Attribute: Foreign Language Culture Cluster, Spanish Culture Cluster.
Distance education offering may be available.
Typically offered in Fall & Spring.
ESP 316. Latin American Avant-Gardes and Mass Media. 3 Credits.
An exploration of the groundbreaking avant-garde artistic practices and the technological innovations of mass media from the early 1900s to today in Latin America. Course studies the historical origins and transformation of concepts such as "originality," "individuality," and "the new" to understand how they acquired political, economic, social, and cultural value in modern Latin America. No knowledge of Spanish is required.
Gen Ed Attribute: Foreign Language Culture Cluster, Spanish Culture Cluster.

ESP 317. Utopia and Apocalypse in the Americas. 3 Credits.
What will the future hold in store for humanity: utopia or apocalypse? Toward what type of future society should we aim in the present? This course is taught from multiple perspectives and will foster thoughtful reflection on what it means to belong to a community as expressed in cultural texts and media from the Spanish-speaking Americas, including travel narratives to unknown lands, utopian treatises, science-fiction and fantasy stories, and real-world attempts to construct utopian societies. No knowledge of Spanish is required.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Fall, Spring & Summer.

ESP 318. Speaking Spanish in the United States. 3 Credits.
A course on the different historical, social and cultural issues related to the use of Spanish in the United States alongside other languages, mainly English, including the centuries-long presence of the language, and phenomena such as bilingualism, code-switching, language shift and language death. This course is taught entirely in English.
Gen Ed Attribute: Foreign Language Culture Cluster, Spanish Culture Cluster.
Distance education offering may be available.
Typically offered in Fall & Spring.

ESP 319. Cultural Realities of Spain. 3 Credits.
A study of the origins and evolution of Spanish character, tradition, and thought as a result of its multi-cultural past and present. The interrelationship of its history and arts. The scope of its contribution to Western culture. No knowledge of Spanish is required.
Typically offered in Fall & Spring.

ESP 324. Latinos in the U.S.. 3 Credits.
An interdisciplinary examination of Latinas/Latinos in the U.S. Course examines the changing cultural, historical, political, and economic situations of several Hispanic groups, including Central Americans, Cubans, Mexicans, and Puerto Ricans.
Typically offered in Fall & Spring.

ESP 333. Latina Writing. 3 Credits.
An examination of the literary works produced by Latinas in the 20th century. The study of this literature will include a cross-cultural approach that will elucidate sociopolitical themes emerging from the texts. No knowledge of Spanish is required.
Typically offered in Fall & Spring.

ESP 334. Politics & Economics Lit Of Modern Amer. 3 Credits.
(also CLS 334) A comparative historical and literary examination of political and economic issues reflected in 20th century U.S. and Latin American literature. The study of representative texts of various genres will also elucidate issues of race, class and gender. No knowledge of Spanish is required.
Gen Ed Attribute: Foreign Language Culture Cluster, Spanish Culture Cluster.
Typically offered in Fall.

ESP 335. Latino Literatures in the US. 3 Credits.
This course examines the history of Latino groups (e.g., Mexicans, Cubans, and South Americans) in the U.S. through literary texts written by Latinos, and studies the cultural, economic, and political experiences leading to their acculturation or alienation in mainstream America.
Typically offered in Spring.
Cross listed courses CLS 335, ESP 335.

ESP 335. Islamic Spain. 3 Credits.
This course will investigate the history, art and religious practices of medieval Islamic Spain (711-1492). It highlights the diversity of a multi-cultural, multi-lingual society in which Muslims, Jews and Christians experienced periods of peace and prosperity, as well as conflict and war. The dynamics of time and place will be viewed in relevance to contemporary events and global relationships.
Gen Ed Attribute: Foreign Language Culture Cluster, Spanish Culture Cluster.
Typically offered in Fall.

ESP 362. New World: America. 3 Credits.
The impact the discovery, conquest, and colonization of the New World had on Europe is seen through diverse sources in literature, history, the arts, and related disciplines. Topics include the trans-Atlantic exchange of ideas and cultures, indigenous religions, ethnic of conquest, evangelization, cartography, colonial science, changing views of humanity, and nature. Course includes a field trip and guest lecturers.

FLG
FLG 199. Transfer Credits. 1-10 Credits.
Transfer Credits. Repeatable for Credit.

FLG 401. Special Topics in Foreign Language. 3-6 Credits.
Topics course designed to allow for in-depth study of selected themes.
Typically offered in Fall & Spring.

FRE
FRE 101. Elementary French I (Traditional). 3 Credits.
Fundamentals of French grammar, syntax, and pronunciation. All four skills (listening, speaking, reading, and writing) are taught concomitantly. Taught in French. Language laboratory work required.
Typically offered in Fall, Spring & Summer.

FRE 102. Elementary French II (Traditional). 3 Credits.
Continuation of the fundamentals of French grammar, syntax, and pronunciation. All four skills (listening, speaking, reading, and writing) are taught concomitantly. Taught in French. Language laboratory work required.
Typically offered in Fall, Spring & Summer.

FRE 201. Intermediate French I (Traditional). 3 Credits.
Development of intermediate level skills in the language, using dialogues, compositions, samples of language structure, readings, and other cultural source materials, including film, media, and the Internet. Language laboratory work is required. Taught in French. Must satisfy specified PREREQ or pass language placement exam.
Pre / Co requisites: FRE 201 requires a prerequisite of FRE 102 or language placement examination.
Typically offered in Fall, Spring & Summer.

FRE 202. Intermediate French II (Traditional). 3 Credits.
Continuation of the development of intermediate level skills in the language, using dialogues, compositions, samples of language structure, readings, and other cultural source materials, including film, media, and the Internet. Language laboratory work is required. Taught in French. Must satisfy specified PREREQ or pass language placement exam.
Pre / Co requisites: FRE 202 requires a prerequisite of FRE 201.
Typically offered in Fall, Spring & Summer.

FRE 302. Phonetics and Advance Oral French. 3 Credits.
Intensive practice in spoken French to develop skills in pronunciation and in listening comprehension. Introduction to French phonetics.
Typically offered in Fall.

FRE 303. Francophone Civilization. 3 Credits.
An overview of the history and culture of France and a selection of French-speaking countries around the world, including study of art, society, economic and political structures and issues.
Distance education offering may be available.
Typically offered in Spring.

FRE 304. Readings in Francophone Literature. 3 Credits.
A study of French literature and culture in context through the ages, as well as an exploration of French language culture in other countries around the world.
Typically offered in Fall.
FRE 305. Advanced Grammar and Stylistics. 3 Credits.
Study of the more complex grammatical and syntactical structures of the language, with particular attention to stylistics. Practice in writing compositions on an advanced level with emphasis on correct usage.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Spring.

FRE 315. French for Oral Proficiency. 3 Credits.
Total immersion course intended for students with a functional knowledge of French. Emphasis on oral and aural communication using real-life situation to develop fluency.
Typically offered in Summer.

FRE 330. French Cinema. 3 Credits.
A study of French films as they reflect culture, language, and ideology, as well as film as art. Distance education offering may be available.
Typically offered in Fall.

FRE 401. Commercial French. 3 Credits.
A study of the French economic and business systems, and extensive practice in using forms and expressions frequently used in French business correspondence.
Typically offered in Spring.

FRE 410. French Theater to 1900. 3 Credits.
A study of the French theater from its beginnings to the 19th century in the contexts of their times. Reading and analysis of representative plays from the various periods.
Typically offered in Spring.

FRE 412. Narrative Prose. 3 Credits.
An examination of the evolution of French prose in the nouvelle, the conte, the recit and the novel from their earliest beginnings to the present.
Typically offered in Fall.

FRE 413. French Poetry. 3 Credits.
A history of French poetry and a study of its versification. Practice in the recitation of French poems and close textual analysis, and discussion of selected works.
Typically offered in Spring.

FRE 415. Modern French Literature In Context. 3 Credits.
A study of the evolution of modern literary genres, beginning with the revolt of the generation of 1900, through Dada and Surrealism and the writers of the absurd to the present.

FRE 420. Topics in French Literature. 3 Credits.
Each topics course provides an in-depth study of a significant aspect of French culture, art, or literature, its history and influences, and/or its principal exponents, creative artists, and advocates. Topics will be announced annually by the French faculty.
Typically offered in Fall & Spring.
Repeatable for Credit.

FRE 421. Topics in French Literature. 3 Credits.
Each topics course provides an in-depth study of a significant aspect of French culture, art, or literature, its history and influences, and/or its principal exponents, creative artists, and advocates. Topics will be announced annually by the French faculty.
Typically offered in Fall & Spring.
Repeatable for Credit.

FRE 422. Topics in French Literature. 3 Credits.
Each topics course provides an in-depth study of a significant aspect of French culture, art, or literature, its history and influences, and/or its principal exponents, creative artists, and advocates. Topics will be announced annually by the French faculty.
Typically offered in Fall & Spring.
Repeatable for Credit.

FRE 440. Writing French Children's Stories. 3 Credits.
This course is a writing workshop for advanced French students consisting of authoring 5 children's stories in French and studying narrative structure and techniques of developing description, dialogue, character and plot. Group participation through critical feedback in D2L. Distance education offering may be available.
Typically offered in Spring.

GER

GER 101. Elementary German I. 3 Credits.
Fundamentals of German grammar, syntax, and pronunciation. Introduction to German culture through easy-reading texts.
Typically offered in Fall, Spring & Summer.
GER 350. German Culture I: Middle Ages to 1900. 3 Credits.
This course offers a cultural history of German-speaking Europe from the Middle Ages to the turn of the 20th century including its musical, artistic, philosophical, and literary contributions to Western culture. Emphasis will be given to representative literary works of each era and to themes such as the contributions of women, Jews, and minorities to German culture, and the question of political vs. cultural identity. Pre / Co requisites: GER 350 requires a prerequisite of GER 303 or GER 307. Typically offered in Fall.

GER 351. German Culture: 20th Century German. 3 Credits.
A continuation of the cultural history of Germany with a focus on philosophy, literature, and the arts: 20th century. Pre / Co requisites: GER 351 requires prerequisite of GER 303 or GER 307.

GER 403. 20th Century Masterpieces: Kafka, Mann, Hesse. 3 Credits.
An in-depth analysis of the prose works of three major 20th-century German writers. In our close reading of these works, we shall consider such narrative techniques as point-of-view, ambiguity, and irony as well as such German intellectual and artistic contributions as Expressionism, psychoanalysis, and the Bildungsroman. Taught in conjunction with EGE 403.

GER 404. German Artists as Social Conscience. 3 Credits.
An examination of the political and social issues of contemporary Germany through an analysis of literary and cinematic texts. Discussion topics include the Holocaust, Nazism, the Second World War, the Economic Miracle, the Cold War, terrorism, the feminist and peace movements, atomic warfare, and German reunification and its aftermath. Taught in conjunction with EGE 404.

GER 405. A Survey of German Film. 3 Credits.
An analysis of German films from Expressionism to the present. We shall examine the films in terms of their political and social context and as works of art. Directors include Fritz Lang, Murnau, Wiene, Fassbinder, Herzog, Schlondorff, von Trotta, and Wenders. Taught in conjunction with EGE 405. Pre / Co requisites: GER405 requires prerequisite of any 300 level German course. Gen Ed Attribute: Arts Distributive Requirement, Writing Emphasis. Distance education offering may be available.

GER 408. Masterpieces of German Theatre. 3 Credits.
A study of the various trends of 20th-century German drama in the Federal Republic, the former GDR, Switzerland, and Austria, with a focus on expressionism, epic theater, and documentary theater. Typically offered in Fall & Spring.

GER 410. Independent Studies in Language and Literature. 3 Credits.
Special topics for advanced students only. This course may be taken again for credit. Consent: Permission of the Department required to add. Repeatable for Credit.

GER 411. Seminar in German. 3 Credits.
Independent study and research for upper-division students. Topics announced annually by the German faculty. Consent: Permission of the Department required to add. Repeatable for Credit.

GER 412. Seminar in German. 3 Credits.
Independent study and research for upper-division students. Topic announced annually by the German faculty. Consent: Permission of the Department required to add. Repeatable for Credit.

GER 413. Impact Of Holocaust On Lit And Film. 3 Credits.
Contact department for more information about this course.

GER 420. German for Reading. 3 Credits.
Designed to help students develop the skills needed to read German scholarly writing in fields such as philosophy, history, the sciences and the arts. It is also suitable for students preparing to take a German reading test or doing archival research. Pre / Co requisites: GER 420 requires prerequisite of GER 201 or equivalent.

GRE

GRE 101. Elementary Greek I. 3 Credits.
Forms, grammar, and idioms of Attic and Koine Greek. Readings in Septuagint and New Testament Greek. Typically offered in Fall.

GRE 102. Elementary Greek II. 3 Credits.

GRE 199. Transfer Credits. 1-50 Credits.
Transfer Credits. Repeatable for Credit.

GRE 201. Intermediate Greek I. 3 Credits.
Readings in Socratic dialogues of Plato. Pre / Co requisites: GRE 201 requires a prerequisite of GRE 102. Typically offered in Fall.

GRE 202. Intermediate Greek II. 3 Credits.

GRE 301. Greek Reading I: Homer. 3 Credits.
Readings in prose and verse. Authors usually selected by genre. This course may be taken again for credit. Pre / Co requisites: GRE 301 requires a prerequisite of GRE 202.

GRE 302. Greek Reading II: Greek Historians. 3 Credits.
Continuation of readings in prose and verse. Authors usually selected by genre. This course may be taken again for credit. Pre / Co requisites: GRE 302 requires a prerequisite of GRE 202. Repeatable for Credit.

HBW

HBW 101. Elementary Biblical Hebrew I. 3 Credits.
Forms, grammar, and idioms of Biblical Hebrew. Selected readings.

HBW 102. Elementary Biblical Hebrew II. 3 Credits.

HBW 191. Hebrew I. 3 Credits.
Self-instructional program in one of the seldom-taught languages. The student works with an integrated text and tape program, and a tutor. Consent: Permission of the Department required to add.

HBW 192. Hebrew II. 3 Credits.
Self-instructional program in one of the seldom-taught languages. The student works with an integrated text and tape program, and a tutor. Consent: Permission of the Department required to add.

HBW 193. Hebrew III. 3 Credits.
Self-instructional program in one of the seldom-taught languages. The student works with an integrated text and tape program, and a tutor. Consent: Permission of the Department required to add.

HBW 199. Transfer Credits. 1-9 Credits.
Transfer Credits. Repeatable for Credit.

HBW 201. Intermediate Biblical Hebrew I. 3 Credits.
Readings in the prose and poetic documents of the Biblia Hebraica. Pre / Co requisites: HBW 201 requires a prerequisite of HBW 102.

HBW 202. Intermediate Biblical Hebrew II. 3 Credits.
Continuation of readings in the prose and poetic documents of the Biblia Hebraica. Pre / Co requisites: HBW 202 requires a prerequisite of HBW 201.

ITA

ITA 101. Elementary Italian I. 3 Credits.
Introduction to the structure and use of Italian, in class, homework and lab, including oral dialogues and study of culture and written texts, to develop elementary novice-level proficiency skills in the language. Typically offered in Fall & Spring.
IJ 101. Elementary Italian I. 3 Credits.
Continuation of the introduction to the structure and use of Italian, in class, homework, and lab, including oral dialogues and study of culture and written texts, to develop elementary novice-level proficiency skills in the language. Must satisfy specified PREREQ or pass language placement exam.
Pre / Co requisites: IJA 101 requires a prerequisite of IJA 101.
Typically offered in Fall & Spring.

IJA 201. Intermediate Italian I. 3 Credits.
Interactive study of Italian grammar and syntax, through oral dialogues, compositions and readings, in class, homework assignments and language labs, to develop intermediate-level proficiency skills in the language. Must satisfy specified PREREQ or pass language placement exam.
Pre / Co requisites: IJA 201 requires a prerequisite of IJA 101.
Typically offered in Fall & Spring.

IJA 202. Intermediate Italian II. 3 Credits.
Continuation of the interactive study of Italian grammar and syntax, through oral dialogues, compositions and readings, in class, homework assignments and language labs, to develop intermediate-level proficiency skills in the language. Must satisfy specified PREREQ or pass language placement exam.
Pre / Co requisites: IJA 202 requires a prerequisite of IJA 201.
Typically offered in Fall & Spring.

IJA 301. Advanced Grammar/Composition/Conversation I. 3 Credits.
Review and mastery of Italian grammar, with special emphasis on syntactic structure and stylistics, along with intensive oral drills to develop proficiency in listening comprehension and speaking ability.
Pre / Co requisites: IJA 301 requires prerequisite of IJA 202.
Typically offered in Fall.

IJA 302. Advanced Grammar/Composition/Conversation II. 3 Credits.
Continuation of the review and mastery of Italian grammar, with special emphasis on syntactic structure and stylistics, along with intensive oral drills to develop proficiency in listening comprehension and speaking ability. Must satisfy specified PREREQ or pass language placement exam.
Typically offered in Spring.

IJA 321. Italian Culture and Civilization. 3 Credits.
An overview of Italian geography, history, and regional cultures, along with its literary, philosophical, scientific, and artistic manifestations and contributions to the world. Must satisfy specified PREREQ or pass language placement exam.
Typically offered in Fall.

IJA 360. Italian Film. 3 Credits.
A history of Italian cinema, as seen through representative works of each period/movement. Must satisfy specified PREREQ or pass language placement exam.
Typically offered in Spring.

IJA 412. Seminar II. 3 Credits.
Independent study and research for upper-division students. Topics announced annually by the Italian faculty. This course may be taken for credit. Must satisfy specified PREREQ or pass language placement exam.
Pre / Co requisites: IJA 412 requires a prerequisite of IJA 301 or IJA 302.
Consent: Permission of the Department required to add.
Typically offered in Fall & Spring.
Repeatable for Credit.

JPA

JPA 101. Elementary Japanese I. 3 Credits.
Students will study idiomatic expressions and the fundamentals of grammar. Vocabulary acquisition, writing system (hiragana and katakana) and some kanji. The relationship between language and culture will be introduced and emphasized.
Typically offered in Fall.

JPA 102. Elementary Japanese II. 3 Credits.
Develops further the understanding, speaking, reading, and writing of Japanese, and emphasizes the structure of the language. Lectures, language laboratory, oral practice, and small group work.
Typically offered in Spring.

JPA 199. Transfer Credits. 1-9 Credits.
Transfer Credits.
Repeatable for Credit.

JPA 201. Intermediate Japanese I. 3 Credits.
Course is designed to reinforce the fundamentals of the Japanese language skills introduced in the elementary level. It also aims at developing the functional ability to communicate in Japanese beyond the survival level.
Pre / Co requisites: JPA 201 requires a prerequisite of JPA 102.
Typically offered in Fall.

JPA 202. Intermediate Japanese II. 3 Credits.
Acquisition of oral skills, with the class conducted entirely in Japanese. To develop the ability to behave appropriately and effectively in Japanese culture and society. Expansion of conversational skills. The course will also help develop cultural sensitivity, which is crucial in conducting intercultural communication.
Pre / Co requisites: JPA 202 requires a prerequisite of JPA 201.
Typically offered in Spring.

JPA 301. Conversational Japanese I. 3 Credits.
A continuation of Japanese 202. Students develop increased communication skills and greater understanding of Japanese grammar. This course will assist students in improving reading, writing and understanding the Japanese language, as well as refining pronunciation and other communication skills.
Pre / Co requisites: JPA 301 requires a prerequisite of JPA 202.

JPA 302. Conversational Japanese II. 3 Credits.
Improvement of Japanese language proficiency with focus on conversation for students who have completed the first 5 semesters (or equivalent) of Japanese. A review of kanji and fundamental reading strategies in order to enhance students’ verbal skills, with conversation centered around authentic materials, including newspaper articles on relevant social or political issues, short essays, and short articles from academic texts.

JYA

JYA 300. Junior Year Abroad: Billing Credits. 12 Credits.
Contact department for more information about this course.

JYA 350. Junior Year Abroad: Zero Billing. 12 Credits.
Contact department for more information about this course.

JYA 400. Senior Year Abroad (Fall Semester). 12 Credits.

JYA 450. Senior Year Abroad (Spring Semester). 12 Credits.

KOR

KOR 192. Korean II. 3 Credits.
Self-instructional program in one of the seldom-taught languages. The student works with an integrated text and tape program, and a tutor.
Consent: Permission of the Department required to add.

LAN

LAN 100. Language and the Human Experience. 3 Credits.
Language plays a fundamental role in how humans experience the world around them. In this class, we will explore the nature of language and how language and culture intersect in various ways. Some of the questions we will attempt to answer include: What is human language? Does language equal thought? How are languages similar and different? How and why is language gendered? How are language and power connected? This course will expose you to new ways of thinking and talking about language, thus allowing you to view language use more critically in everyday interactions.
Gen Ed Attribute: Humanities Distributive Requirement.
Typically offered in Fall & Spring.

LAN 312. What is Empathy? Scientific and Cultural Understandings. 3 Credits.
In this interdisciplinary course we shall examine answers to this question in various eras, disciplines, and cultures. A secondary question will be: Can empathy be learned? The course will conclude with an analysis of literary and cinematic texts that deal with the role of artistic works in eliciting empathy.
Gen Ed Attribute: Interdisciplinary Requirement.

LAN 327. Introduction to Linguistics for Language. 3 Credits.
An introduction to applied linguistics structured to meet the needs of language majors and future world language teachers. Examples are drawn from the language(s) expertise of the students.
Typically offered in Spring.
LAN 382. Teaching English Language Learners PK-12. 3 Credits.
A study of issues and the application of techniques, strategies, and materials for meeting the needs of English Language Learners (ELLs) in inclusive classrooms. Emphases include: sociocultural issues in educational contexts, TESOL through the content areas, linguistics, second language acquisition, the integration and applications of the PA English Language Proficiency Standards PK-12 (ELPS) and current trends in second language teaching, learning and assessment. Includes a field component.
Gen Ed Attribute: Diversity Requirement.
Typically offered in Fall & Spring.
Cross listed courses LAN 382, ENG 382.

LAN 390. How Are Languages Learned?. 3 Credits.
This course covers the basic principles of second language acquisition (SLA), an important area of study within the larger field of applied linguistics. Students will explore current theories of how people learn a second or foreign language, critically evaluate the theories and incorporate their own experiences with second language learning. Students will be expected to read, analyze, and respond to research that presents current views on second language acquisition. The field of SLA is inherently interdisciplinary and draws on research shaped by the prominent academic disciplines of psychology, sociology, education, and linguistics. Thus, a variety of views of SLA will be discussed in the class.
Typically offered in Fall, Spring & Summer.

LAN 401. Teaching of Modern Languages: K - 12. 3 Credits.
Problems, methods, and materials of teaching second languages at all levels. Observation and participation in second-language classrooms.
Pre / Co requisites: LAN 401 requires prerequisites of LIN/ENG 230 or LAN 327 and EDS 306; completion of language courses through the advanced level.
Typically offered in Fall & Spring.

LAN 403. Second Languages in the Elementary School. 3 Credits.
Techniques and materials used in teaching second languages in the elementary school. Practice in the application of these techniques and observation of language classes.

LAN 411. Topical Seminar. 3 Credits.
Specialized studies in language and the teaching of foreign languages.
Repeatable for Credit.

LAN 425. Internship in Foreign Languages. 3-18 Credits.
A structured and supervised experience for students wishing to enhance their foreign language study directly in the workplace. Credits earned are based on time spent on the job.
Consent: Permission of the Department required to add. Repeatable for Credit.

LAT

LAT 101. Elementary Latin I. 3 Credits.
Forms, syntax, and idioms of classical Latin. Selected readings.
Typically offered in Fall & Spring.

LAT 102. Elementary Latin II. 3 Credits.
Forms, syntax, and idioms of classical Latin. Selected readings.
Pre / Co requisites: LAT 102 requires a prerequisite of LAT 101.
Typically offered in Fall & Spring.

LAT 201. Cicero. 3 Credits.
Selections from the orations, letters, and essays.
Pre / Co requisites: LAT 201 requires a prerequisite of LAT 101 and LAT 102.
Typically offered in Spring.

LAT 202. Vergil. 3 Credits.
Reading and analysis of celebrated portions of the Aeneid. The nature of Latin epic poetry.
Pre / Co requisites: LAT 202 requires a prerequisite of LAT 201.
Typically offered in Fall.

LAT 301. Teaching of Latin. 3 Credits.
Introduction to the problems, methods, and materials in the teaching of Latin.
Pre / Co requisites: LAT 301 requires prerequisite of LAT 202.

LAT 302. The Latin Lyric Poets. 3 Credits.
Latin lyric poetry through readings in Catullus, Carmina, Horace's Odes and Epodes. Practice in the composition of lyric poetry.

LAT 303. Advanced Latin Prose Composition. 3 Credits.
Required of Latin majors; open to other students accepted by the instructor. The complex syntactical structures of Latin of classical style. Translations of English into classical Latin.

LAT 304. The Latin Elegiac Poets. 3 Credits.
Latin elegiac poetry through readings in Ovid, Tibullus, Lygdamus, Sulpicia, and Propertius. Practice in the composition of elegiac poetry.
Pre / Co requisites: LAT 304 requires a prerequisite of LAT 202.

LAT 305. Reading Course in Latin. 3 Credits.
Open to Latin majors only. Area and content to be determined by the student's needs.
Pre / Co requisites: LAT 305 requires prerequisite of LAT 202.
Repeatable for Credit.

LAT 306. Roman Historians. 3 Credits.
Introduction to Roman historiography. Readings in Livy, Sallust, and Tacitus.

LAT 401. Roman Drama. 3 Credits.
Origins and development of Roman drama. Selected plays of Plautus, Terence, and Seneca.

LAT 402. Roman Philosophy. 3 Credits.
Introduction to Greek and Roman philosophy. Readings in Cicero, Tusculan Disputations, and Lucretius, De Rerum Natura.
Typically offered in Fall & Spring.

LAT 403. Roman Satire. 3 Credits.
Origins and development of Roman satire. Readings in Horace, Persius, and Juvenal.
Pre / Co requisites: LAT 403 requires prerequisite of LAT 202.

LAT 404. The Latin Novel. 3 Credits.
Readings in Petronius, Satyricon, and Apuleius, The Golden Ass. Lectures and discussions of the emergence of the novel as a literary form.

LAT 405. Medieval Latin. 3 Credits.
Prose and poetry from the fourth to the 17th centuries.

LAT 406. Latin Tutorial Course. 3 Credits.
Required of majors in Latin or Classics; open to other students accepted by the instructor. Introduction to the history of the alphabet; principles of historical and comparative linguistics, especially as applied to Greek and Latin; and history of the Latin language as seen in ancient authors and inscriptions.

LAT 410. Independent Studies in Language and Literature. 3 Credits.
Special topics for advanced students only.
Consent: Permission of the Department required to add. Repeatable for Credit.

LNC

LNC 368. Comparative Cultural Studies. 3 Credits.
This course examines the dynamic processes by which our direct interaction with local and non-local cultural products (language modality, textual interpretation, performative modes and other representational systems) influences how we as participants see and understand diversity and our role in it. Taught in English.
Typically offered in Fall.

PLP

PLP 191. Tagalog I. 3 Credits.
Self-instructional program in one of the seldom-taught languages. The student works with an integrated text and tape program, and a tutor.
Consent: Permission of the Department required to add.

POL

POL 199. Transfer Credits. 1-9 Credits.
Transfer Credits.
Repeatable for Credit.
POR
POR 101. Elementary Portuguese I. 3 Credits.
Fundamentals of Portuguese grammar, syntax, and pronunciation. Introduction to Brazilian heritage and culture through graded reading selections. Typically offered in Fall.

POR 102. Elementary Portuguese II. 3 Credits.

POR 199. Transfer Credits. 1-9 Credits.
Transfer Credits. Repeatable for Credit.

POR 201. Intermediate Portuguese I. 3 Credits.
Review and continuation of basic Portuguese with emphasis on vocabulary expansion and cultural insights through increased reading. Introduction to selected Portuguese and Brazilian authors. Pre / Co requisites: POR 201 requires a prerequisite of POR 102. Typically offered in Fall & Spring.

POR 202. Intermediate Portuguese II. 3 Credits.
Review and continuation of basic Portuguese with emphasis on vocabulary expansion and cultural insights through increased reading. Introduction to selected Portuguese and Brazilian authors. Pre / Co requisites: POR 202 requires a prerequisite of POR 201. Typically offered in Spring.

RUS
RUS 101. Elementary Russian I. 3 Credits.
Fundamentals of Russian language. Intensive practice in speaking, listening, reading, and writing to develop novice-level communication skills. Introduction to Russian culture through film and multimedia. No previous knowledge of Russian is required. Typically offered in Fall & Spring.

RUS 102. Elementary Russian II. 3 Credits.
Continuation of the fundamentals of Russian language. Intensive practice in speaking, listening, reading, and writing to develop novice-level communication skills. Introduction to Russian culture through film and multimedia. Must satisfy specified PREREQ or pass language placement exam. Pre / Co requisites: RUS 102 requires a prerequisite of RUS 101. Typically offered in Fall & Spring.

RUS 103. Intensive Elementary Russian I-II. 6 Credits.
Fundamentals of Russian language. Intensive practice in speaking, listening, reading, and writing to develop basic communication skills. This accelerated course meets five days per week and completes the 101-102 elementary sequence in a single semester. Introduction to Russian culture through film and multimedia. No previous knowledge of Russian is required. Typically offered in Fall & Spring.

RUS 201. Intermediate Russian I. 3 Credits.
Review and refinement of communicative skills through the continuing study of grammatical structures and vocabulary expansion to develop intermediate-level proficiency skills. Composition and conversation based on writings of intermediate difficulty and film sources. Continuing study of Russian culture through film and multimedia. Must satisfy specified PREREQ or pass language placement exam. Pre / Co requisites: RUS 201 requires a prerequisite of RUS 102 or RUS 103. Typically offered in Fall.

RUS 202. Intermediate Russian II. 3 Credits.
Continuation of the review and refinement of communicative skills through the continuing study of grammatical structures and vocabulary expansion to develop intermediate-level proficiency skills. Composition and conversation based on writings of intermediate difficulty and film sources. Continuing study of Russian culture through film and multimedia. Must satisfy specified PREREQ or pass language placement exam. Typically offered in Spring.

RUS 203. Intensive Intermediate Russian II. 6 Credits.
Reinforcement and refinement of communicative skills through the continuing study and review of grammatical structures. Continuing study of Russian culture and life through film and multimedia. Course meets five days per week and completes the 201-202 sequence in a single semester. Must satisfy specified PREREQ or pass language placement exam. Pre / Co requisites: RUS 203 requires prerequisites of RUS 102 or RUS 103.

RUS 301. Advanced Grammar and Composition I. 3 Credits.
The more complex grammatical and syntactical structures of the language, with particular attention to stylistics. Practice in writing compositions on a more advanced level, with emphasis on current usage. Russian culture through readings in the original. Must satisfy specified PREREQ or pass language placement exam. Pre / Co requisites: RUS 301 requires prerequisites of RUS 202 or RUS 203. Typically offered in Spring.

RUS 302. Advanced Grammar and Composition II. 3 Credits.
Further development of the more complex grammatical and syntactical structures of the language, with particular attention to stylistics. Practice in writing compositions on a more advanced level, with emphasis on current usage. Russian culture through readings in the original. Must satisfy specified PREREQ or pass language placement exam. Pre / Co requisites: RUS 302 requires a prerequisite of RUS 202 or RUS 203. Typically offered in Fall.

RUS 303. Advanced Readings in Russian Literature. 3 Credits.
Russian literature in the original is read and analyzed. Russian culture through authentic readings. Pre / Co requisites: RUS 303 requires a prerequisite of RUS 202 or RUS 203. Typically offered in Fall.

RUS 305. Russian Civilization I. 3 Credits.
(In Russian) A study of the cultural, philosophical, religious, political, and artistic contributions of Russia. Pre / Co requisites: RUS 305 requires a prerequisite of RUS 202 or RUS 203.

RUS 401. The Russian Novel. 3 Credits.
The Russian novel and literary trends of the 19th and 20th centuries. Pre / Co requisites: RUS 401 requires a prerequisite of RUS 301 or RUS 302. Typically offered in Fall.

RUS 402. The Russian Drama. 3 Credits.
Work with theatrical texts in the original to build oral proficiency. Works of the major dramatists of the 19th and 20th centuries. Pre / Co requisites: RUS 402 requires a prerequisite of RUS 301 or RUS 302. Typically offered in Spring.

RUS 403. Russian Poetry of the 20th Century. 3 Credits.
A study of the principal Russian poets of the 20th century. Use of poetry reading to refine pronunciation. Pre / Co requisites: RUS 403 requires a prerequisite of RUS 301 or RUS 302.

RUS 407. Advanced Oral Russian I. 3 Credits.
Active work in the oral use of language and phonetics to develop proficiency in listening comprehension and speaking in real life situations. Work with contemporary Russian film and music resources. Pre / Co requisites: RUS 407 requires a prerequisite of RUS 301 or RUS 302. Typically offered in Fall.

RUS 408. Advanced Oral Russian II. 3 Credits.
Active work in the oral use of language and phonetics to develop proficiency in listening comprehension and speaking in real life situations. Work with contemporary Russian film and music resources. Pre / Co requisites: RUS 408 requires a prerequisite of RUS 301 or RUS 302. Typically offered in Spring.

RUS 410. Independent Studies in Russian Language. 3 Credits.
Special topics for advanced students only. Consent: Permission of the Department required to add. Repeatable for Credit.

RUS 411. Seminar in Russian. 3 Credits.
Independent study and research for upper-division students. Topics announced annually by the Russian faculty. Consent: Permission of the Department required to add. Repeatable for Credit.
RUS 412. Seminar in Russian. 3 Credits.
Independent study and research for upper-division students. Topics announced annually by the Russian faculty.
Consent: Permission of the Department required to add.
Repeatable for Credit.

SPA
SPA 101. Elementary Spanish I. 3 Credits.
Fundamentals of Spanish geared to facilitate the development of functional proficiency at the novice level in listening, speaking, reading, and writing skills. Introduction to Spanish and Latin American culture through readings and discussion.
Typically offered in Fall, Spring & Summer.

SPA 102. Elementary Spanish II. 3 Credits.
Continuation of the fundamentals of Spanish geared to facilitate the development of functional proficiency at the novice level in listening, speaking, reading, and writing skills. Introduction to Spanish and Latin American culture through readings and discussion. Must satisfy specified PREREQ or pass language placement exam.
Pre / Co requisites: SPA 102 requires a prerequisite of SPA 101.
Typically offered in Fall, Spring & Summer.

SPA 118. Spanish for Professional Development. 3 Credits.
Lower-level topics course with the content varying in response to the instructional focus, which ranges from "Doing Business in Latin America." to "Spanish for Hospital Nurses," among other topics. The specific instruction covered in the course is designed to address and meet the language and cultural needs and provide continuing education venues for area professionals.

SPA 201. Intermediate Spanish I. 3 Credits.
Spanish with an emphasis on proficiency development at the intermediate level. Elements of grammar and pronunciation are introduced in class and via laboratory work. Literary and journalistic readings are utilized as a basis for writing assignments and class discussions in Spanish. Must satisfy specified PREREQ or pass language placement exam.
Pre / Co requisites: SPA 201 requires prerequisite of SPA 102.
Typically offered in Fall, Spring & Summer.

SPA 202. Intermediate Spanish II. 3 Credits.
Continuation of Spanish with an emphasis on proficiency development at the intermediate level. Elements of grammar and pronunciation are introduced in class and via laboratory work. Literary and journalistic readings are utilized as a basis for writing assignments and class discussions in Spanish. Must satisfy specified PREREQ or pass language placement exam.
Pre / Co requisites: SPA 202 requires a prerequisite of SPA 201.
Typically offered in Fall, Spring & Summer.

SPA 301. Advanced Spanish Grammar and Conversation I. 3 Credits.
Review and mastery of Spanish grammar, with special emphasis on sentence structures and stylistics, along with intensive interaction to develop proficiency in listening comprehension and speaking ability. SPA 301 can be taken simultaneously with SPA 302. Must satisfy specified PREREQ or pass language placement exam.
Pre / Co requisites: SPA 301 requires prerequisite of SPA 201.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

SPA 302. Advanced Spanish Grammar and Conversation II. 3 Credits.
Additional review and mastery of Spanish grammar, with special emphasis on sentence structures and stylistics, along with intensive interaction to develop proficiency in listening comprehension and speaking ability. SPA 302 can be taken simultaneously with SPA 301. Must satisfy specified PREREQ or pass language placement exam.
Pre / Co requisites: SPA 302 requires prerequisites of SPA 202 or SPA 250.
Typically offered in Fall, Spring & Summer.

SPA 304. Spanish Language Topics in the Community. 3 Credits.
Spanish for the professional in fields such as social work, immigration, criminal justice, law, and medicine. Emphasis on oral communication in specific, real-life situations. Some interpretation, translation, and writing or professional documents.
Pre / Co requisites: SPA 304 requires prerequisite of SPA 301 and SPA 302.

SPA 310. Business Topics in Spanish. 3 Credits.
Introduction to business concepts in Spanish in fields of management, banking, finance, accounting, marketing, and international business. No prior knowledge of business required. Practical course in oral communication. Some interpretation, translation, and writing of business documents.
Pre / Co requisites: SPA 303 requires prerequisites of SPA 301 and SPA 302.
Gen Ed Attribute: Writing Emphasis.

SPA 313. Latin America on Film. 3 Credits.
This course consists of the analysis of several films about Latin America that address critical issues (history, politics, economy, religion, ethnic diversity, racial and gender discrimination) necessary to understand and appreciate Latin American culture.
Pre / Co requisites: SPA 313 requires prerequisites of SPA 301 and SPA 302.
Gen Ed Attribute: Arts Distributive Requirement, Diversity Requirement.
Typically offered in Fall & Spring.

SPA 315. Advanced Readings in Spanish. 3 Credits.
Introductory readings of Spanish and Spanish-American works from a variety of sources, including literary texts. Special attention to improvement of grammar, and oral and written expression.
Pre / Co requisites: SPA 315 requires prerequisites of SPA 301 and SPA 302.
Typically offered in Fall & Spring.

SPA 320. Cultures of Spain. 3 Credits.
Major contributions of Spain. Cultural, geographic, literary, philosophical, and artistic manifestations of the Hispanic world.
Pre / Co requisites: SPA 320 requires prerequisites of SPA 302.
Typically offered in Spring.

SPA 321. Cultures of Spanish America. 3 Credits.
Cultural, geographic, literary, philosophical, and artistic manifestations of the Hispanic-American world.
Pre / Co requisites: SPA 321 requires prerequisite of SPA 302.
Typically offered in Fall.

SPA 329. Exiles, Land, Language and Love in Medieval and Early Modern Spain. 3 Credits.
This course covers literary works from the ninth to the seventeenth century by focusing on the concept of exile in Spain, and introduces students to the multi-cultural artistic production of the Iberian Peninsula within the context of major historical and cultural events.
Pre / Co requisites: SPA 329 requires prerequisite SPA 330 or SPA 331.

SPA 330. Spanish Narrative. 3 Credits.
Representative selections of Spanish literature from its medieval beginning to the present. Focus will be on a variety of genres that highlight the interplay of language and context to understand dominant themes and concerns of a global era.
Pre / Co requisites: SPA 330 requires prerequisite of SPA 315.
Typically offered in Fall.

SPA 331. Spanish-American Narrative. 3 Credits.
Representative selections of Spanish-American literature from 1492 to the present. Focus will be on the interplay of culture, society, colonial and post-colonial politics on Spanish-American literary expression.
Pre / Co requisites: SPA 331 requires prerequisite of SPA 315.
Typically offered in Spring.

SPA 340. Study of Bilingualism: An Introduction. 3 Credits.
The course focuses on the bilingual situation in the U.S., in Latin America, and in Spain. Topics include the linguistic development of bilingual speakers, linguistic aspects such as the case of pidgin and Creole languages, the definition "Spanglish," and the sociopolitical aspects such as linguistic loyalty, linguistic politics and planning, and attitudes toward bilingualism. Taught in Spanish.
Pre / Co requisites: SPA 340 requires prerequisite LIN 230 or LIN 327 and SPA 302.

SPA 353. Introduction to the Study of Language: Spanish. 3 Credits.
A study of different aspects of languages, the structure of their sounds, how words are organized, their meanings, how languages are acquired, and how they are used in society. This course is conducted entirely in Spanish, although examples from other languages and their speakers will also be addressed.
Pre / Co requisites: SPA 353 requires prerequisite: LIN 230 or LIN 327 and SPA 302.

SPA 365. Spanish Phonetics. 3 Credits.
Description and practice in the sounds of the Spanish language and its major dialectical differences. Comparative analysis with English.
Pre / Co requisites: SPA 365 requires prerequisites of LIN 230 or LIN 327 and SPA 302.
Typically offered in Spring.
SPA 370. History of the Spanish Language. 3 Credits.
Introduction to the history of the Spanish language to study its evolution and fundamental basics of research in the history of a language using primary sources to understand the mechanics involved in language change and the social and cultural evolution of the communities that use the language.
Pre / Co requisites: SPA 370 requires prerequisites of LIN 230 or LAN 327 and SPA 302.

SPA 375. Spanish for Heritage Speakers. 3 Credits.
This course is for students who learned Spanish in a non academic setting. The goal of this course is to develop, challenge, and broaden the command of the four linguistic skills (listening, speaking, reading and writing) to make students aware of cultural differences in the Spanish-speaking world. Upon the successful completion of this course, students will have enhanced their receptive (listening and reading) and productive (writing and speaking) performance.
Pre / Co requisites: SPA 375 requires prerequisite SPA 302.

SPA 401. Spanish Literature of the Golden Age. 3 Credits.
Spanish literature of the 16th and 17th centuries: mysticism, drama, poetry, and the novel.
Pre / Co requisites: SPA 401 requires prerequisite of SPA 330.

SPA 402. Spanish Comedia of the Golden Age. 3 Credits.
Themes and traditions of the comedia.
Pre / Co requisites: SPA 402 requires prerequisite of SPA 330.

SPA 404. Cervantes. 3 Credits.
Study of Don Quixote and Cervantes' contributions to world literature.
Pre / Co requisites: SPA 404 requires prerequisite of SPA 330.

SPA 405. Modern Hispanic Literature (18-19th C). 3 Credits.
Spanish and Spanish-American thought, literature, and culture as revealed in outstanding works from the neo-Classical period to the end of the 19th century.
Pre / Co requisites: SPA 405 requires prerequisite of SPA 330 or SPA 331.

SPA 407. Contemporary Spain. 3 Credits.
Contemporary Spain studied in a European context. Film, literature, and electronic media used to elucidate cultural, political, and social connections.
Pre / Co requisites: SPA 407 requires prerequisite of SPA 320 and 330.
Distance education offering may be available.

SPA 410. 20th Century Spanish-American Fiction. 3 Credits.
A focus on 20th-century prose fiction in Spanish America. The works of narratists such as Borges, Carpentier, Cortazar, Fuentes, and Garcia Marquez will be examined closely, in light of Spanish-American cultural and literary modalities.
Pre / Co requisites: SPA 410 requires prerequisite of SPA 331.

SPA 411. Hispanic Theater. 3 Credits.
A study of the theater as a reflection of social realities including the theater of the absurd; the dynamic of play and audience. The Spanish-American and Spanish stage will be analyzed through its cultural, historical, and religious contexts.
Pre / Co requisites: SPA 411 requires prerequisite of SPA 331.

SPA 413. Hispanic Women Writers. 3 Credits.
An examination of the tradition of women writers and their works in Spain and Spanish America from the 17th century to the present. Includes fiction, poetry, and theater.
Pre / Co requisites: SPA 413 requires prerequisites of SPA 330 and SPA 331.

SPA 415. Cinema of Spain. 3 Credits.
This course provides a critical analysis of 20th and 21st century Spanish cinema in relationship to global trends in film-making. Lecture and discussion topics integrate national and social history, culture, literature, theory and cinematic technique into an analysis of the films. This course is taught in Spanish.
Pre / Co requisites: SPA 415 requires prerequisite of SPA 330 or SPA 331.
Distance education offering may be available. Typically offered in Fall, Spring & Summer.

SPA 444. Advanced Spanish Proficiency Development. 3 Credits.
This course provides intensive practice of advanced communication skills in speaking, listening comprehension, writing and reading, along with a review of Spanish grammar to foster proficiency development. Acquisition of cultural knowledge through a study of cultural products, perspectives, and practices. Course includes a language lab component.
Pre / Co requisites: SPA 444 requires prerequisites of SPA 330 and SPA 331.
Distance education offering may be available. Typically offered in Fall & Spring. Repeatable for Credit.

SPA 456. Hispanic Literature, Language & Culture. 3 Credits.
Special topics for advanced students only, such as politics and literature in contemporary Latin America, the literature of discovery and conquest, the novel of the dictator, and Spanish literature during and after Franco.
Consent: Permission of the Department required to add. Repeatable for Credit.

SPA 457. Hispanic Literature, Language and Culture. 3 Credits.
Special topics for advanced students only, such as politics and literature in contemporary Latin America, the literature of discovery and conquest, the novel of the dictator, and Spanish literature during and after Franco.
Consent: Permission of the Department required to add. Repeatable for Credit.

SPA 472. Nobel Laureates in Hispanic Letters. 3 Credits.
This course is devoted to study those Spanish-language writers from Spain and Spanish America who won the Nobel Prize in Literature during the 20th and 21st century for their literary achievements; to analyze their works and the sociopolitical context of their writings, and to examine the politics of literary awards and the significance of their recognition.
Pre / Co requisites: SPA 472 PREREQ: SPA 330 or SPA 331.

B.A. IN LANGUAGES AND CULTURES - FRENCH CONCENTRATION

Curriculum

General Education Requirements

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<tr>
<th>Requirement</th>
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<td>English Composition requirements</td>
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<td>Science requirements</td>
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<td>Behavioral &amp; Social Science requirements</td>
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<td>Humanities requirements</td>
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<td>Arts requirement</td>
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<td>Student Electives</td>
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<td>Writing Emphasis requirements</td>
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Major Language Courses  

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<thead>
<tr>
<th>Tier 1: Language Skills</th>
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<tr>
<td>FRE 102 Elementary French II</td>
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<td>FRE 101 Intermediate French I</td>
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<td>FRE 202 Intermediate French II</td>
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<th>Tier 2: Proficiency</th>
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<td>FRE 302 Phonetics and Advance Oral French</td>
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<td>or FRE 315 French for Oral Proficiency</td>
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<td>FRE 305 Advanced Grammar and Stylistics</td>
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<th>Tier 3: Competency Content</th>
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<tr>
<td>Select one course from each of the following groups:</td>
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<tr>
<td>Literary Analysis</td>
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<td>FRE 304 Readings in Francophone Literature</td>
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<td>Cultural Analysis</td>
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<td>FRE 303 Francophone Civilization</td>
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<td>FRE 350 French Cinema</td>
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<td>Language and Linguistics</td>
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<td>FRE 422 Topics in French Literature</td>
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<tr>
<td>FRE 401 Commercial French</td>
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<tr>
<td>Select one 400-level course in cultural, film, or literary studies</td>
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Second Language
Demonstration of proficiency in a second language through the Intermediate II level, by placement testing or coursework through 202 (credit by examination and/or CLEP permitted).

Connections: Common to all languages
- LAN 327 Introduction to Linguistics for Language
- LNC 368 Comparative Cultural Studies

Immersion Experience
- Immersion study and/or internship work is an essential component of the B.A.L.C. curriculum. Languages and cultures are inextricably entwined. The goal of the immersion experience, which is a requirement for graduation, is to enable students to apply linguistic and cultural knowledge in an authentic social context, and for them to experience the challenges and the gratification of living in another culture.

Electives
- The number of hours available depends on the student’s level of second language proficiency. The student may choose to apply some of these to additional advanced courses in the major area or to continue second or third language study.

Total Minimum Credits Required

- 120

1. For French, German, and Spanish majors; FRE 101, GER 101, and SPA 101 - SPA 201 may only fulfill general education student elective requirements, and/or overall graduation credits. These courses will not fulfill their respective major requirements.

2. Minimum grade of C required in all courses.

3. LIN 230/ENG 230 may substitute.

4. See the department chairperson and student handbook for options.

Sample Course Plan
To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

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<th>Course</th>
<th>Title</th>
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B.A. IN LANGUAGES AND CULTURES - GERMAN CONCENTRATION

Curriculum

General Education Requirements

- English Composition requirements 6
- Mathematics requirement 3
- Public Speaking requirement 3
- Science requirements 6
- Behavioral & Social Science requirements 6
- Humanities requirements 6
- Arts requirement 3
Diverse Communities requirement 3
Interdisciplinary requirement 3
Student Electives 9
Writing Emphasis requirements 9

Major Language Courses 2

Tier 1: Language Skills
GER 102 Elementary German II 3
GER 201 Intermediate German I 3
GER 202 Intermediate German II 3

Tier 2: Proficiency
GER 303 Advanced German Grammar and Composition I 3
GER 307 Advanced Oral German 3
or GER 315 Developing Oral Proficiency 3

Tier 3: Competency Content
Select one course from each of the following groups: 9

Literary Analysis
GER 322 Austrian Civilization 3
GER 350 German Culture I: Middle Ages to 1900 3
GER 351 German Culture: 20th Century German 3

Cultural Analysis
GER 322 Austrian Civilization 3
GER 350 German Culture I: Middle Ages to 1900 3
GER 351 German Culture: 20th Century German 3

Language and Linguistics
GER 310 Business German 3
GER 411 Seminar in German 3

Tier 4
Select two courses in cultural, film, or literary studies:
GER 403 20th Century Masterpieces: Kafka, Mann, Hesse 3
GER 404 German Artists as Social Conscience 3
GER 405 A Survey of German Film 3
GER 408 Masterpieces of German Theatre 3
GER 410 Independent Studies in Language and Literature 3
GER 412 Seminar in German 3
GER 413 Impact Of Holocaust On Lit And Film 3

Second Language
Demonstration of proficiency in a second language through the Intermediate II level, by placement testing or coursework through 202 (credit by examination and/or CLEP permitted). 3-12

Connections: Common to all languages
LAN 327 Introduction to Linguistics for Language 3 3
LNC 368 Comparative Cultural Studies 3

Immersion Experience 4
Immersion study and/or internship work experience is an essential component of the B.A.L.C. curriculum. Languages and cultures are inextricably entwined. The goal of the immersion experience, which is a requirement of graduation, is to enable students to apply linguistic and cultural knowledge in an authentic social context, and for them to experience the challenges and the gratification of living in another culture. 3-12

Electives
The number of hours available depends on the student's level of second language proficiency. The student may choose to apply some of these to additional advanced courses in the major area or to continue second or third language study.

Total Minimum Credits Required 120

---

1 For French, German, and Spanish majors; FRE 101, GER 101, and SPA 101 - SPA 201 may only fulfill general education student elective requirements, and/or overall graduation credits. These courses will not fulfill their respective major requirements.

2 Minimum grade of C required in all courses.
3 LIN 230/ENG 230 may substitute.
4 See the department chairperson and student handbook for options.

Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

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B.A. IN LANGUAGES AND CULTURES - RUSSIAN CONCENTRATION

Semester Six
GER 322 Austrian Civilization 3 
or GER 350 or German Culture I: Middle Ages to 1900 3 
or GER 351 or German Culture: 20th Century 3 
Second Language 202 3 
Writing Emphasis Course 3 
Elective 3 
Elective 3 
Credits 15

Year Four
Semester Seven
GER 322 Austrian Civilization 3 
or GER 350 or German Culture I: Middle Ages to 1900 3 
or GER 351 or German Culture: 20th Century 3 
GER 310 Business German 3 
or GER 325 or Introduction to German Linguistics 3 
or GER 411 or Seminar in German 3 
Elective 3 
Elective 3 
Elective 3 
Credits 15

Semester Eight
GER 4___ 3 
GER 4___ 3 
Elective 3 
Elective 3 
Elective 3 
Credits 15

Total Credits 120

B.A. IN LANGUAGES AND CULTURES - RUSSIAN CONCENTRATION

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

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Sample Course Plan

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**B.A. IN LANGUAGES AND CULTURES - SPANISH CONCENTRATION**

**College of Arts and Humanities**

**Curriculum**

**General Education Requirements** ([http://catalog.wcupa.edu/undergraduate/general-education-requirements](http://catalog.wcupa.edu/undergraduate/general-education-requirements))

- English Composition requirements: 6
- Mathematics requirement: 3
- Public Speaking requirement: 3
- Science requirements: 6
- Behavioral & Social Science requirements: 6
- Humanities requirements: 6
- Arts requirement: 3
- Diverse Communities requirement: 3
- Interdisciplinary requirement: 3
- Student Electives: 9
- Writing Emphasis requirements: 9

**Major Language Courses**

**Tier 1: Language Skills**

SPA 202 | Intermediate Spanish II | 3
SPA 301 | Advanced Spanish Grammar and Conversation I | 3
SPA 302 | Advanced Spanish Grammar and Conversation II | 3

**Tier 2: Proficiency**

SPA 315 | Advanced Readings in Spanish | 3
SPA 353 | Introduction to the Study of Language: Spanish or SPA 365 | 3
Spanish Phonetics | 3

**Tier 3: Competency Content**

Select one course from each of the following groups: 9

**Literary Analysis**

SPA 330 | Spanish Narrative | 3
SPA 331 | Spanish-American Narrative | 3

**Cultural Analysis**

SPA 313 | Latin America on Film | 3
SPA 320 | Cultures of Spain | 3
SPA 321 | Cultures of Spanish America | 3

**Language and Linguistics**

SPA 340 | Study of Bilingualism: An Introduction | 3
SPA 370 | History of the Spanish Language | 3
SPA 375 | Spanish for Heritage Speakers | 3

**Tier 4**

SPA 444 | Advanced Spanish Proficiency Development | 3
Select one 400-level course in cultural, film, or literary studies | 3

**Second Language**


Demonstration of proficiency in a second language through the Intermediate II level, by placement testing or course work through 202 (credit by examination and/or CLEP permitted).

**Connections: common to all languages**
- LAN 327 Introduction to Linguistics for Language 
- LNC 368 Comparative Cultural Studies

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- Immersion study and/or internship work experience is an essential component of the B.A.L.C. curriculum. Languages and cultures are inextricably entwined. The goal of the immersion experience, which is a requirement for graduation, is to enable students to apply linguistic and cultural knowledge in an authentic social context, and for them to experience the challenges and the gratification of living in another culture.

**Electives**
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**Total Minimum Required Credits**
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- 2 Minimum grade of C required in all courses.
- 3 LIN 230/ENG 230 may substitute.
- 4 See the department chairperson and student handbook for option

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</tr>
<tr>
<td></td>
<td>SPA 302 Advanced Spanish Grammar and Conversation II</td>
<td>3</td>
</tr>
</tbody>
</table>

**Second Language 101**

<table>
<thead>
<tr>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
</tr>
</tbody>
</table>

**Semester Four**

<table>
<thead>
<tr>
<th>Gen Ed Distributive</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
</tr>
<tr>
<td>LAN 327 Introduction to Linguistics for Language</td>
</tr>
<tr>
<td>SPA 315 Advanced Readings in Spanish</td>
</tr>
<tr>
<td>Second Language 102</td>
</tr>
<tr>
<td>Writing Emphasis</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
</tr>
</tbody>
</table>

**Semester Five**

<table>
<thead>
<tr>
<th>Gen Ed Distributive</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
</tr>
<tr>
<td>LNC 368 Comparative Cultural Studies</td>
</tr>
<tr>
<td>SPA 353 Introduction to the Study of Language: Spanish or Spanish Phonetics</td>
</tr>
<tr>
<td>Second Language 201</td>
</tr>
<tr>
<td>Writing Emphasis</td>
</tr>
<tr>
<td>Elective</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
</tr>
</tbody>
</table>

**Semester Six**

| SPA 330 Spanish Narrative or Spanish-American Narrative | 3 |
| SPA 331                                               | 3 |
| Second Language 202                                   | 3 |
| Writing Emphasis                                    | 3 |
| Elective                                            | 3 |
| **Credits**                                         | **15** |

**Semester Seven**

| SPA 313 Latin America on Film or Cultures of Spain or SPA 320 or SPA 321 or Culture of Spanish America | 3 |
| SPA 340 Study of Bilingualism: An Introduction or History of the Spanish Language or Spanish for Heritage Speakers | 3 |
| Elective                                             | 3 |
| Elective                                            | 3 |
| **Credits**                                         | **15** |

**Semester Eight**

| SPA 444 Advanced Spanish Proficiency Development | 3 |
| SPA 4 ___ Elective                                     | 3 |
| Elective                                            | 3 |
| Elective                                            | 3 |
| **Credits**                                         | **15** |

**Total Credits**

| **120** |

**B.A. IN LANGUAGES AND CULTURES WITH ELECTIVE CERTIFICATION - FRENCH CONCENTRATION**

*College of Arts and Humanities*
West Chester University

B.A. in Languages and Cultures with Elective Certification - French Concentration

Curriculum

General Education Requirements [http://catalog.wcupa.edu/undergraduate/general-education-requirements]

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition requirements</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics requirement</td>
<td>3</td>
</tr>
<tr>
<td>Public Speaking requirement</td>
<td>3</td>
</tr>
<tr>
<td>Science requirements</td>
<td>6</td>
</tr>
<tr>
<td>Behavioral &amp; Social Science requirements</td>
<td>6</td>
</tr>
<tr>
<td>EDA 103 Foundations of Special Education</td>
<td>3</td>
</tr>
<tr>
<td>EDM 349 Technology Tools to Transform Teaching and Learning</td>
<td>1</td>
</tr>
<tr>
<td>EDP 250 Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>EDP 355 Assessment For Learning 7-12</td>
<td>3</td>
</tr>
<tr>
<td>EDP 349 Adolescent Development</td>
<td>3</td>
</tr>
<tr>
<td>or PSY 382 Infant, Child and Adolescent Development</td>
<td>3</td>
</tr>
<tr>
<td>EDR 347 Literacy Development and Secondary Students with Disabilities in Inclusive Classrooms</td>
<td>3</td>
</tr>
<tr>
<td>EDA 304 Special Ed Processes/Procedures for Secondary Educators</td>
<td>3</td>
</tr>
</tbody>
</table>

Effective August 2013 students must complete professional education sequence of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAN 401 Teaching of Modern Languages: K - 12 (LAT 301 FOR Latin majors)</td>
<td>3</td>
</tr>
<tr>
<td>EDS 411 Student Teaching Sec - 1st Half</td>
<td>6</td>
</tr>
<tr>
<td>EDS 412 Student Teaching Sec - 2nd Half</td>
<td>6</td>
</tr>
</tbody>
</table>

PDE Prerequisites and Requirement for Program

LAN 327 Introduction to Linguistics for Language | 3 |
or LIN 230 Introduction to Linguistics            | 3 |

Second Math Course | 3 |

Total Minimum Credits Required | 123 |

1 For French majors: FRE 101 may only fulfill general education student elective requirements, and/or overall graduation credits.
   This course will not fulfill their respective major requirements.
2 Minimum grade of C required in all courses.
3 Students may substitute 400-level courses in Tier 3.
4 See the department chairperson and student handbook for options.
5 • PAPA: Undergraduate foreign language students seeking initial certification must take the PAPA series of basic skills tests unless they have met SAT/ACT passing criteria set by the PA Department of Education. For more information about this option or registering for the PAPA* tests, click here (http://www.wcupa.edu/_academics/coe/basicSkills.aspx).
   • Basic skills
     8001- PAPA Module 1: Reading
     8002- PAPA Module 2: Mathematics
     8003- PAPA Module 3: Writing
   • Formal admission into teacher education (FATE): In addition to passing scores on PAPA (formerly PPST) exams, certification candidates seeking FATE must have
     • a cumulative GPA of 2.8 or higher,
     • 48 completed college-level credits on their transcripts,
     • three earned credits in English literature, and d) six earned credits in college-level mathematics
   • Praxis II Exams. There are two Praxis II exams:
     • Praxis II Fundamental Subjects: Content Knowledge (#0511/5511)
     The Fundamental Subjects (#0511/5511) Praxis II is a PDE requirement for all K-12 certification students in the state and, therefore, must be taken and passed in order to be recommended for certification. This exam is to be taken by world languages certification students prior to enrollment in EDS 411/EDS 412.
     • Praxis II World Languages tests are no longer a requirement for program completion. Effective Spring 2013, language certification majors will need to take the ACTFL/LTI (American Council on the Teaching of Foreign Languages/Language Testing International) Oral Proficiency Interview (OPI) and the Writing Proficiency Test (WPT).
   Students failing to achieve either IHI or AL will be permitted to complete the BA without certification in their language of specialization.
   • For certification-track students in French, German, Russian, and Spanish, the Department of Languages and Cultures will delete the requirement of AL (advanced low) on ACTFL OPI and WPT exams as a prerequisite for entrance into EDS 411/EDS 412.

For national recognition, the Department of Languages and Cultures, along with ACTFL and CAEP (formerly NCATE), requires OPI and WPT testing with the expected achievement of Advanced Low (AL). The Pennsylvania Department of Education (PDE) requires teacher candidates score Intermediate High (IH) on the ACTFL OPI and WPT; consequently, those student who reach IH or AL on the OPI and WPT are recommended in PDE’s Teacher Information Management System (TIMS) for K-12 certification by the College of Education. Students enhance their career options and competitiveness in the job market by achieving AL. The Department of Languages and Cultures recognizes that school districts are looking for candidates who meet the ACTFL requirement of AL on the WPT and OPI. Therefore,
for those teacher candidates who do not reach AL on the OPI or the WPT, we create remedial plans informed by a candidate’s OPI or WPT diagnostic feedback acquired from ACTFL/LTI.

See the Teacher Certification Programs (p. 266) section of this catalog for an explanation of related requirements.

Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

B.A. IN LANGUAGES AND CULTURES WITH ELECTIVE CERTIFICATION - GERMAN CONCENTRATION

College of Arts and Humanities

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements) 1

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition</td>
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</tr>
<tr>
<td>Mathematics requirement</td>
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</tr>
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<td>Public Speaking requirement</td>
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<tr>
<td>Science requirements</td>
<td>6</td>
</tr>
<tr>
<td>Behavioral &amp; Social Science requirements</td>
<td>6</td>
</tr>
<tr>
<td>ANT 102 Introduction to Anthropology: Cultural</td>
<td></td>
</tr>
<tr>
<td>PSY 100 Introduction to Psychology</td>
<td></td>
</tr>
<tr>
<td>Humanities requirements</td>
<td>6</td>
</tr>
<tr>
<td>Arts requirement</td>
<td>3</td>
</tr>
<tr>
<td>Diverse Communities requirement</td>
<td>3</td>
</tr>
<tr>
<td>Interdisciplinary requirement</td>
<td>3</td>
</tr>
<tr>
<td>Student Electives</td>
<td>9</td>
</tr>
<tr>
<td>Writing Emphasis requirements</td>
<td>9</td>
</tr>
</tbody>
</table>

Major Requirements 2

| Tier 1: Language Skills       |         |
| GER 102 Elementary German II  | 3       |
| GER 201 Intermediate German I | 3       |
| GER 202 Intermediate German II| 3       |

| Tier 2: Proficiency           |         |
| GER 303 Advanced German Grammar and Composition I | 3 |
| GER 307 Advanced Oral German  |         |
| or GER 315 Developing Oral Proficiency            |         |

| Tier 3: Competency Content 3 |         |
| Select one course from each of the following groups: | 9 |
  | Literary Analysis            |         |
  | GER 322 Austrian Civilization |         |
  | GER 350 German Culture: Middle Ages to 1900 |         |
  | GER 351 German Culture: 20th Century German |         |
  | Cultural Analysis            |         |
  | GER 322 Austrian Civilization |         |
  | GER 350 German Culture: Middle Ages to 1900 |         |
  | GER 351 German Culture: 20th Century German |         |
  | Language and Linguistics     |         |
  | GER 310 Business German      |         |
  | GER 411 Seminar in German    |         |
| Tier 4                        |         |
| Select two courses in cultural, film, or literary studies | 6 |
  | GER 403 20th Century Masterpieces: Kafka, Mann, Hesse |         |
  | GER 404 German Artists as Social Conscience |         |

| Immersion Experience 4 | 3-12 |
| Immersion study and/or internship work is an essential component of the B.A.L.C. curriculum. Languages and cultures are inextricably entwined. The goal of the immersion experience, which is a requirement for graduation, is to enable students to apply linguistic and cultural knowledge in an authentic social context, and for them to experience the challenges and the gratification of living in another culture. |

Pennsylvania certification in languages K-12 5

Effective August 2013 students must complete professional education sequence of the following:

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<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDA 103 Foundations of Special Education</td>
<td>3</td>
</tr>
<tr>
<td>EDM 349 Technology Tools to Transform Teaching and Learning</td>
<td>1</td>
</tr>
<tr>
<td>EDP 250 Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>EDP 355 Assessment For Learning 7-12</td>
<td>3</td>
</tr>
<tr>
<td>EDP 349 Adolescent Development</td>
<td>3</td>
</tr>
<tr>
<td>or PSY 382 Infant, Child and Adolescent Development</td>
<td></td>
</tr>
<tr>
<td>EDR 347 Literacy Development and Secondary Students with Disabilities in Inclusive Classrooms</td>
<td>3</td>
</tr>
</tbody>
</table>

Following formal admission

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDA 304 Special Ed Processes/Procedures for Secondary Educators</td>
<td>3</td>
</tr>
<tr>
<td>EDS 306 Teaching Principles and Field Experience in Secondary Schools</td>
<td>3</td>
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<tr>
<td>LAN 401 Teaching of Modern Languages: K - 12 (LAT 301 FOR Latin majors)</td>
<td>3</td>
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<tr>
<td>EDS 411 Student Teaching Sec - 1st Half</td>
<td>12</td>
</tr>
<tr>
<td>EDS 412 Student Teaching Sec - 2nd Half</td>
<td></td>
</tr>
<tr>
<td>PDE Prerequisites and Requirement for Program</td>
<td></td>
</tr>
<tr>
<td>LAN 327 Introduction to Linguistics for Language (or substitute)</td>
<td>3</td>
</tr>
<tr>
<td>or LIN 230 Introduction to Linguistics</td>
<td></td>
</tr>
<tr>
<td>LNC 368 Comparative Cultural Studies (Language area cognate)</td>
<td>3</td>
</tr>
<tr>
<td>Second Math Course</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Minimum Required Credits 123

1 For German majors: GER 101 may only fulfill general education student elective requirements, and/or overall graduation credits. This course will not fulfill their respective major requirements.

2 Minimum grade of C required in all courses.

3 Students may substitute 400-level courses in Tier 3.

4 See the department chairperson and student handbook for options.
B.A. IN LANGUAGES AND CULTURES WITH ELECTIVE CERTIFICATION - RUSSIAN CONCENTRATION

Curriculum

General Education Requirements

English Composition requirements 6
Mathematics requirement 3
Public Speaking requirement 3
Science requirements 6
Behavioral & Social Science requirements 6
Humanities requirements 6
Arts requirement 3
Diverse Communities requirement 3
Interdisciplinary requirement 3
Student Electives 9
Writing Emphasis requirements 9

Major Language Courses

Tier 1: Language Skills
RUS 101 Elementary Russian I 2
RUS 102 Elementary Russian II 2
RUS 201 Intermediate Russian I 3
RUS 202 Intermediate Russian II 3

Tier 2: Proficiency
Select one 6-credit course sequence:
RUS 301 Advanced Grammar and Composition I & RUS 407 Advanced Oral Russian I
RUS 302 Advanced Grammar and Composition II & RUS 408 Advanced Oral Russian II

Tier 3: Competency Content
Select one course from each of the following groups:

Literary Analysis
RUS 303 Advanced Readings in Russian Literature

Cultural Analysis
RUS 305 Russian Civilization I

Language and Linguistics
RUS 412 Seminar in Russian

Tier 4
Select one course in cultural, film, or literary studies:
RUS 401 The Russian Novel
RUS 402 The Russian Drama
RUS 403 Russian Poetry of the 20th Century
RUS 410 Independent Studies in Russian Language
RUS 411 Seminar in Russian

Immersion Experience 3

For national recognition, the Department of Languages and Cultures, along with ACTFL and CAEP (formerly NCATE), requires OPI and WPT testing with the expected achievement of Advanced Low (AL). The Pennsylvania Department of Education (PDE) requires teacher candidates score Intermediate High (IH) on the ACTFL OPI and WPT; consequently, those student who reach IH or AL on the OPI and WPT are recommended in PDE's Teacher Information Management System (TIMS) for K-12 certification by the College of Education and Social Work. Students enhance their career options and competitiveness in the job market by achieving AL. The Department of Languages and Cultures recognizes that school districts are looking for candidates who meet the ACTFL requirement of AL on the WPT and OPI. Therefore, for those teacher candidates who do not reach AL on the OPI or the WPT, we create remedial plans informed by a candidate's OPI or WPT diagnostic feedback acquired from ACTFL/LTI.

Immersion study and/or internship work is an essential component of the B.A.L.C. curriculum. Languages and cultures are inextricably entwined. The goal of the immersion experience, which is a requirement for graduation, is to enable students to apply linguistic and cultural knowledge in an authentic social context, and for them to experience the challenges and the gratification of living in another culture.

Sample Course Plan

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B.A. IN LANGUAGES AND CULTURES WITH ELECTIVE CERTIFICATION - RUSSIAN CONCENTRATION

College of Arts and Humanities

Effective August 2013 students must complete professional education sequence of the following:
EDA 103 Foundations of Special Education 3
EDA 349 Technology Tools to Transform Teaching and Learning 1
EDP 250 Educational Psychology 3
EDP 355 Assessment For Learning 7-12 3
EDP 349 Adolescent Development 3
or PSY 382 Infant, Child and Adolescent Development
B.A. IN LANGUAGES AND CULTURES WITH ELECTIVE CERTIFICATION - SPANISH

CONCENTRATION

EDR 347  Literacy Development and Secondary Students with Disabilities in Inclusive Classrooms  3

Following formal admission

EDA 304  Special Ed Processes/Procedures for Secondary Educators  3

EDS 306  Teaching Principles and Field Experience in Secondary Schools  3

LAN 401  Teaching of Modern Languages: K - 12  3

EDS 411 & EDS 412  Student Teaching Sec - 1st Half and Student Teaching Sec - 2nd Half  12

PDE Prerequisites and Requirement for Program

LAN 327  Introduction to Linguistics for Language  3
or LIN 230  Introduction to Linguistics

LNC 368  Comparative Cultural Studies  3

Second Mathematics Course  3

Total Minimum Credits Required  123

1 Minimum grade of C required in all courses.
2 Students may substitute RUS 103 for RUS 101 and RUS 102.
3 Students may substitute RUS 203 for RUS 201 and RUS 202.
4 Students may substitute 400-level courses in Tier 3.
5 See the department chairperson and student handbook for options.
6 • PAPA: Undergraduate foreign language students seeking initial certification must take the PAPA series of basic skills tests unless they have met SAT/ACT passing criteria set by the PA Department of Education. For more information about this option or registering for the PAPA* tests, click here (http://www.wcupa.edu/academics/coe/basicSkills.aspx).
   *Basic skills
5001- PAPA Module 1: Reading
5002- PAPA Module 2: Mathematics
5003- PAPA Module 3: Writing
• Formal admission into teacher education (FATE): In addition to passing scores on PAPA (formerly PPST) exams, certification candidates seeking FATE must have
   • a cumulative GPA of 2.8 or higher,
   • 48 completed college-level credits on their transcripts,
   • three earned credits in English literature, and
   • six earned credits in college-level mathematics
• Praxis II Exams. There are two Praxis II exams:
   • Praxis II Fundamental Subjects: Content Knowledge (#0511/5511)
     The Fundamental Subjects (#0511/5511) Praxis II is a PDE requirement for all K-12 certification students in the state and, therefore, must be taken and passed in order to be recommended for certification. This exam is to be taken by world languages certification students prior to enrollment in EDS 411/EDS 412.
   • Praxis II World Languages tests are no longer a requirement for program completion. Effective Spring 2015, language certification majors will need to take the ACTFL/LTI (American Council on the Teaching of Foreign Languages/Language Testing International) Oral Proficiency Interview (OPI) and the Writing Proficiency Test (WPT). Students failing to achieve either IH or AL will be permitted to complete the BA without certification in their language of specialization.
   • For certification-track students in French, German, Russian, and Spanish, the Department of Languages and Cultures will delete the requirement of AL (advanced low) on ACTFL OPI and WPT exams as a prerequisite for entrance into EDS 411/EDS 412.

For national recognition, the Department of Languages and Cultures, along with ACTFL and CAEP (formerly NCATE), requires OPI and WPT testing with the expected achievement of Advanced Low (AL). The Pennsylvania Department of Education (PDE) requires teacher candidates score Intermediate High (IH) on the ACTFL OPI and WPT; consequently, those students who reach IH or AL on the OPI and WPT are recommended in PDE’s Teacher Information Management System (TIMS) for K-12 certification by the College of Education. Students enhance their career options and competitiveness in the job market by achieving AL. The Department of Languages and Cultures recognizes that school districts are looking for candidates who meet the ACTFL requirement of AL on the WPT and OPI. Therefore, for teacher candidates who do not reach AL on the OPI or the WPT, we create remedial plans informed by a candidate’s OPI or WPT diagnostic feedback acquired from ACTFL/LTI.

See the Teacher Certification Programs (p. 266) section of this catalog for an explanation of related requirements.

Sample Course Plan

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B.A. IN LANGUAGES AND CULTURES WITH ELECTIVE CERTIFICATION - SPANISH CONCENTRATION

College of Arts and Humanities

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

English Composition requirements 6
Mathematics requirement 3
Public Speaking requirement 3
Science requirements 6
Behavioral & Social Science requirements 6
ANT 102 Introduction to Anthropology: Cultural
PSY 100 Introduction to Psychology
Humanities requirements 6
Arts requirement 3
Diverse Communities requirement 3
Interdisciplinary requirement 3
Student Electives 9
Writing Emphasis requirements 9

Major Language Courses

Tier 1: Language Skills
SPA 202 Intermediate Spanish II 3
SPA 301 Advanced Spanish Grammar and Conversation I 3
SPA 302 Advanced Spanish Grammar and Conversation II 3

Tier 2: Proficiency
SPA 315 Advanced Readings in Spanish
SPA 353 Introduction to the Study of Language: Spanish
or SPA 365 Spanish Phonetics

Tier 3: Competency Content
Select one course from each of the following groups:

Literary Analysis
SPA 330 Spanish Narrative
SPA 331 Spanish-American Narrative

Cultural Analysis
SPA 313 Latin America on Film
SPA 320 Cultures of Spain
SPA 321 Cultures of Spanish America

Language and Linguistics
SPA 340 Study of Bilingualism: An Introduction
SPA 370 History of the Spanish Language
SPA 375 Spanish for Heritage Speakers
<table>
<thead>
<tr>
<th>Tier 4</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA 444</td>
<td>Advanced Spanish Proficiency Development</td>
</tr>
<tr>
<td>Select one 400-level course in cultural, film, or literary studies</td>
<td>3</td>
</tr>
</tbody>
</table>

Immersion Experience 3 3-12

Immersion study and/or internship work is an essential component of the B.A.L.C. curriculum. Languages and cultures are intrinsically entwined. The goal of the immersion experience, which is a requirement for graduation, is to enable students to apply linguistic and cultural knowledge in an authentic social context, and for them to experience the challenges and the gratification of living in another culture.

**Pennsylvania certification in languages K–12**

Effective August 2013 students must complete professional education sequence of the following:

| EDA 103 | Foundations of Special Education | 3 |
| EDM 349 | Technology Tools to Transform Teaching and Learning | 1 |
| EDP 250 | Educational Psychology | 3 |
| EDP 355 | Assessment For Learning 7-12 | 3 |
| EDP 349 | Adolescent Development | 3 |
| or PSY 382 | Infant, Child and Adolescent Development |  |
| EDR 347 | Literacy Development and Secondary Students with Disabilities in Inclusive Classrooms | 3 |

**Following formal admission**

| EDA 304 | Special Ed Processes/Procedures for Secondary Educators | 3 |
| EDS 306 | Teaching Principles and Field Experience in Secondary Schools | 3 |
| LAN 401 | Teaching of Modern Languages: K - 12 (LAT 301 FOR Latin majors) | 3 |
| EDS 411 | Student Teaching Sec - 1st Half | 12 |
| & EDS 412 | and Student Teaching Sec - 2nd Half |  |

**PDE Prerequisites and Requirement for Program**

| LAN 327 | Introduction to Linguistics for Language (or substitute) | 3 |
| or LIN 230 | Introduction to Linguistics |  |
| LNC 368 | Comparative Cultural Studies (Language area cognate) | 3 |
| Second Math Course | 3 |

**Total Minimum Credit Hours** 123

1. For Spanish majors: SPA 101 - SPA 201 may only fulfill general education student elective requirements, and/or overall graduation credits. These courses will not fulfill their respective major requirements.

2. Minimum grade of C required in all courses.

3. See the department chairperson and student handbook for options.

- **PAPA**: Undergraduate foreign language students seeking initial certification must take the PAPA series of basic skills tests *unless* they have met SAT/ACT passing criteria set by the PA Department of Education. For more information about this option or registering for the PAPA tests, click here (http://www.wcupa.edu/_academics/coe/basicSkills.aspx).

- **Basic skills**
  - 8001: PAPA Module 1: Reading
  - 8002: PAPA Module 2: Mathematics
  - 8003: PAPA Module 3: Writing

- **Formal admission into teacher education (FATE)**: In addition to passing scores on PAPA (formerly PPST) exams, certification candidates seeking FATE must have:
  - a cumulative GPA of 2.8 or higher,
  - 48 completed college-level credits on their transcripts,
  - three earned credits in English literature, and
  - six earned credits in college-level mathematics

- **Praxis II Exams**, There are two Praxis II exams:
  - **Praxis II Fundamental Subjects: Content Knowledge (#0511/5511)**
    - The Fundamental Subjects (#0511/5511) Praxis II is a PDE requirement for all K-12 certification students in the state and, therefore, must be taken and passed in order to be recommended for certification. This exam is to be taken by world language certification students prior to enrollment in EDS 411/EDS 412.
  - **Praxis II World Languages**
    - **tests are no longer a requirement** for program completion. Effective Spring 2013, language certification majors will need to take the ACTFL/LTI (American Council on the Teaching of Foreign Languages/Language Testing International) Oral Proficiency Interview (OPI) and the Writing Proficiency Test (WPT).
    - Students failing to achieve either IH or AL will be permitted to complete the BA without certification in their language of specialization.
    - For certification-track students in French, German, Russian, and Spanish, the Department of Languages and Cultures will delete the requirement of AL (advanced low) on ACTFL OPI and WPT exams as a prerequisite for entrance into EDS 411/EDS 412.

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**Sample Course Plan**

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**MINOR IN ARABIC**

**College of Arts and Humanities**

**Curriculum**

**First Year Arabic**

<table>
<thead>
<tr>
<th>Select 6 credits:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARB 101</td>
</tr>
</tbody>
</table>

For more information about this minor or registering for courses, visit wcupa.edu/DegreeProgressReport.
### MINOR IN CHINESE

**Curriculum**

<table>
<thead>
<tr>
<th>Required Core Courses</th>
<th>CHI 101</th>
<th>Elementary Chinese I</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CHI 102</td>
<td>Elementary Chinese II</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CHI 201</td>
<td>Intermediate Chinese I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CHI 202</td>
<td>Intermediate Chinese II</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CHI 301</td>
<td>Advanced Chinese I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CHI 302</td>
<td>Advanced Chinese II</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Minimum Credits Required**: 18

1 A student must earn a minimum grade of C- in each course and a minimum overall GPA of 2.0 for all courses taken in the minor.

### MINOR IN DEAF STUDIES

**Curriculum**

The minor in Deaf Studies is designed to enable students to understand and have greater awareness of, understanding of, and expertise in the Deaf community, their culture and language. Practical application of language use, cultural appreciation and understanding of deafness from a diversity viewpoint are stressed through three unique minor tracks, each with their own focus related to an integral aspect of the Deaf community. The minor prepares students from various majors to have greater awareness of, understanding of, and expertise in the Deaf community, their culture and language. Practical application and have greater awareness of, understanding of, and expertise in the Deaf community.

**Core Requirements**

| ASL/CSD 110 | Elementary American Sign Language I | 3 |
| ASL/CSD 111 | Elementary American Sign Language II | 3 |

**Choose one of the following track:**

**Culture Track**

| ASL/CSD 210 | Intermediate American Sign Language I | |
| ASL/CSD 211 | Intermediate American Sign Language II | |
| DST 255 | Introduction to Deaf Studies | |
| DST 357 | Deaf Culture Perspectives | |

**Language Track**

| ASL/CSD 210 | Intermediate American Sign Language I | |
| ASL/CSD 211 | Intermediate American Sign Language II | |
| ASL 310 | Advanced American Sign Language I | |
| ASL 311 | Advanced American Sign Language II | |

**Diversity Track**

| DST 255 | Introduction to Deaf Studies | |
| DST 355 | Deaf History | |

Select two of the following:

- DST 357 | Deaf Culture Perspectives | 6 |
- KIN 457 | ASL Literature | |
- ASL/CSD 210 | Intermediate American Sign Language I | |
- ASL/CSD 211 | Intermediate American Sign Language II | |
- CSD 203 | Speech and Hearing Science | |
- CSD 204 | Speech and Language Development | |

### MINOR IN FRENCH

**Curriculum**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>FRE 101</th>
<th>Elementary French I (Traditional)</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRE 102</td>
<td>Elementary French II (Traditional)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>FRE 201</td>
<td>Intermediate French I (Traditional)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>FRE 202</td>
<td>Intermediate French II (Traditional)</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Total Minimum Credits Required**: 18

1 Students may substitute FRE 103 for FRE 101 and FRE 102.

2 A minimum grade of B is required in both FRE 101 and FRE 102 in order to continue in the minor.

### MINOR IN GERMAN

**Curriculum**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>GER 101</th>
<th>Elementary German I</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>GER 102</td>
<td>Elementary German II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GER 201</td>
<td>Intermediate German I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>GER 202</td>
<td>Intermediate German II</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Total Minimum Credits Required**: 18

1 Students may substitute GER 103 for GER 101 and GER 102.

2 A minimum grade of B is required in both GER 101 and GER 102 in order to continue in the minor.

### MINOR IN ITALIAN

**Curriculum**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>ITA 101</th>
<th>Elementary Italian I</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITA 102</td>
<td>Elementary Italian II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ITA 201</td>
<td>Intermediate Italian I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ITA 202</td>
<td>Intermediate Italian II</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Total Minimum Credits Required**: 18

1 A minimum grade of B is required in both ITA 101 and ITA 102 in order to continue in the minor.

### MINOR IN JAPANESE

**Curriculum**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>JPN 101</th>
<th>Elementary Japanese I</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>JPN 102</td>
<td>Elementary Japanese II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>JPN 201</td>
<td>Intermediate Japanese I</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>
Policies

- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

Courses

Course titles and descriptions for Latin American and Latino/a Studies are listed under the relevant departments.

Latin American and Latino/a Studies Program

College of Arts and Humanities

129 Mitchell Hall
610-436-2466
Latin American and Latino/a Studies (http://www.wcupa.edu/latinAmericanLatinoStudies)
### Liberal and Professional Studies Programs

**B.A. in Liberal Studies - Arts and Humanities**  
**B.S. in Liberal Studies - Science and Mathematics**  
**B.S. in Liberal Studies - Professional Studies**

#### B.A. in Liberal Studies - Arts and Humanities

**205B Mitchell Hall**  
610-436-1096 or 610-436-2327  
Liberal Studies Program (http://www.wcupa.edu/liberalStudies)  
Alicia Speh (aspeh@wcupa.edu), Director

#### B.S. in Liberal Studies - Science and Mathematics

**205B Mitchell Hall**  
610-436-1096 or 610-436-2327  
Liberal Studies Program (http://www.wcupa.edu/liberalStudies)  
Alicia Speh (aspeh@wcupa.edu), Director

#### B.S. in Liberal Studies - Professional Studies

222 Lawrence Center  
610-436-3548  
Professional Studies Program (https://www.wcupa.edu/viceProvost/interdisciplinaryStudies/professionalStudies)  
Bruce Norris (bnorris@wcupa.edu), Director

The Liberal Studies programs offer student-designed, interdisciplinary majors that provide an alternative to traditional baccalaureate degrees in specific academic areas.

The Liberal Studies - Arts and Humanities and Liberal Studies - Science and Mathematics majors are intended to broaden the student’s intellectual understanding and professional skills through a well-rounded, yet flexible degree program that combines courses in the areas of science, humanities, behavioral science, and the arts. The result is a curriculum that is suited to the individual student’s personal academic and career goals.

The Professional Studies major is an interdisciplinary program that enables and encourages students to explore connections and relationships that exist between different areas of study and to pursue their own unique interests. The program affords students the capability to create an individualized academic program of study that will prepare them for a wide variety of future educational and/or career opportunities.

After completing at least 30 credits, and after achieving a minimum GPA of 2.00, the student may request an interview with the director of the appropriate program for the purpose of planning a curriculum in one of the available tracks. Students may enter the Liberal Studies program from other majors of the University, or as transfers from other colleges, by the same process and by meeting the same requirements. It is University policy that no student, whether currently enrolled at West Chester or attempting to be admitted from another university, is permitted to enroll in the liberal studies arts and sciences, and science and mathematics programs after earning 80 credits. There is no limit on semester hours for students entering the professional studies track.

Three separate baccalaureate programs are available. The Bachelor of Arts in Liberal Studies - Arts and Humanities is designed for students interested in a well-rounded education emphasizing courses in the liberal arts. The Bachelor of Science in Liberal Studies - Science and Mathematics allows students to pursue courses in four different scientific disciplines, while also incorporating liberal arts courses to create a broad curriculum. The Bachelor of Science in Liberal Studies - Professional Studies provides students the opportunity to design an individualized, career-centered curriculum that may not be otherwise available at the University. The course of study includes the student’s selection of two academic minors, one of which must be from a select list of professionally-oriented minors, most of which come from the Colleges of Business and Public Management, Education and Social Work, and Health Sciences.

A minor in Youth Empowerment and Urban Studies (p. 481) is also available. See the curriculum listed under Interdisciplinary Studies.

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### Electives

<table>
<thead>
<tr>
<th>Electives</th>
<th>6</th>
</tr>
</thead>
</table>

Study Abroad in Spanish or Portuguese-speaking country (up to 6 credits)  
Course from Track I with approval of the LALS director

1. If CLEP/CBE has been completed through 200-level coursework, students must complete at least one course at the 300-level in the same language.

2. Subject to approval from the LALS director.

Courses must be selected (under advisement) from Latin American and/or Latino/a-oriented courses offered by the departments of Anthropology and Sociology (p. 146), Geography and Planning (p. 294), Political Science (p. 439), Art (p. 177), Dance (p. 471) or others.

A student should maintain a 2.5 average in area-studies courses to be recommended for graduate work in the area-studies concentration.

Additional information can be found on the LALS website (http://www.wcupa.edu/latinAmericanLatinoStudies).

For advising, see Dr. Leon Arredondo (larredondo@wcupa.edu) in the Department of Anthropology and Sociology (https://www.wcupa.edu/sciences-mathematics/anthropologySociology).

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**LIBERAL AND PROFESSIONAL STUDIES PROGRAMS**

*School of Interdisciplinary and Graduate Studies*
Programs

Majors in Liberal Studies

- B.A. in Liberal Studies - Arts and Humanities Track (p. 359)
- B.S. in Liberal Studies - Science and Mathematics Track (p. 359)
- B.S. in Liberal Studies - Professional Studies Track (p. 359)

Policies

- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

Courses

LST

LST 490. Senior Thesis. 3-6 Credits.
Directed research in an interdisciplinary subject of the arts and sciences. For students in the bachelor of arts tracks.
Consent: Permission of the Department required to add.

B.A. IN LIBERAL STUDIES - ARTS AND HUMANITIES TRACK

School of Interdisciplinary and Graduate Studies

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

- English Composition requirements 6
- Mathematics requirement 3
  MAT course above MAT 103
- Public Speaking requirement 3
- Science requirements 6
- Behavioral & Social Science requirements 6
- Humanities requirements 6
- Arts requirement 3
- Diverse Communities requirement 3
- Interdisciplinary requirement 3
- Student Electives 9
- Writing Emphasis requirements 9

Language Requirement

Demonstrating language proficiency through the intermediate level (202) 3-12

Major Requirements

Natural and computer sciences, behavioral and social sciences, humanities and communications, mathematics, and the arts 24

Major Electives

- Of the student’s choice at the 300 and 400 level 30
- Minor 18
  Select at least one minor offered by the College of Arts and Humanities, College of the Sciences and Mathematics, or departments of Economics, Geography, or Political Science, as well as international business.

Electives

- Electives to total 120 semester hours
- Total Minimum Credits Required 120

Students in the bachelor of arts track have the option of using up to six semester hours of their liberal electives as senior thesis (LST 490) credits. Interested students should consult with the program director well before earning 80 semester hours about procedures for pursuing the senior thesis.

Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

B.S. IN LIBERAL STUDIES - PROFESSIONAL STUDIES TRACK

School of Interdisciplinary and Graduate Studies

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

- English Composition requirements 6
- Mathematics requirement 3
- Public Speaking requirement 3
- Science requirements 6
- Behavioral & Social Science requirements 6
- Humanities requirements 6
- Arts requirement 3
- Diverse Communities requirement 3
- Interdisciplinary requirement 3
- Student Electives 9
- Writing Emphasis requirements 9

Two Minors

Minor A 18
  Must be an academic minor offered by the colleges of Business and Public Management, Education and Social Work, or Health Sciences, or the following minors from the College of Arts and Humanities: dance, jazz studies, music, or music history.

Minor B 18
  Can be chosen from any academic minor offered.

Major Courses

Includes three credits each in science, behavioral and social science, humanities, and six additional credits from these areas and/or the arts. 15

Professional Studies Electives

Student’s choice at the 300 level or higher (includes credits taken to fulfill minor requirements) 30

Electives

Electives to total 120 semester hours (includes credits taken to fulfill minor requirements) 120

Total Minimum Credits Required

120

Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

B.S. IN LIBERAL STUDIES - SCIENCE AND MATHEMATICS TRACK

School of Interdisciplinary and Graduate Studies
Linguistics Program

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)
- English Composition requirements 6
- Mathematics requirement 3
- MAT course above MAT 103
- Public Speaking requirement 3
- Science requirements 6
- Behavioral & Social Science requirements 6
- Humanities requirements 6
- Arts requirement 3
- Diverse Communities requirement 3
- Interdisciplinary requirement 3
- Student Electives 9
- Writing Emphasis requirements 9

Major Requirements
- Behavioral and social sciences, humanities and communications, and the arts 15

Related/Cognate Requirements
- Select 7-9 semester hours in any four of the following areas 32
- BIO 110 General Biology (or above) 3
- CHE 103 General Chemistry I (or above) 3
- CRL 103 Experimental General Chemistry I (LAB) 1
- ESS 101 Introduction to Geology (or above) 3
- MAT 131 Precalculus (or above) 3
- or CSC 110 Fundamentals in Computer Science 3
- PHY 130 General Physics I (or above) 4

Liberal Studies Electives
- Of the student's choice at the 300 and 400 level 20

Minor
- Select at least one minor from the departments of Biology, Chemistry, Computer Science, Earth and Space Sciences, Mathematics, or Physics 17-24

Electives
- Electives to total 120 semester hours 120

Total Minimum Credits Required
- Students in the math and science track have the option of using up to six semester hours of their liberal studies electives as senior thesis (LST 490) credits. Interested students should consult with the program director well before earning 80 semester hours about procedures for pursuing the senior thesis.

Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

Linguistics Program

College of Arts and Humanities

523 Main Hall
610-436-0013

Linguistics Program (http://www.wcupa.edu/linguistics)
Maria-Eirini Panagiotidou (mpanagiotidou@wcupa.edu), Director

The minor in linguistics is an interdisciplinary program offered by the departments of Communication Sciences and Disorders (p. 223), Communication and Media (p. 211), Computer Science (p. 226), English (p. 268), Languages and Cultures (p. 333), and Philosophy (p. 426). Its purpose is to provide the student with a foundation in the analysis of the various aspects of language. Students wishing to enter the program must consult the program coordinator. To receive credit for the Minor in Linguistics, a student must complete 18 credits of course work. The program director must approve all courses.

Programs

Minors in Linguistics
- Linguistics (p. 361)

Graduate Opportunities

See the graduate catalog for more information on the Linguistics programs. (http://catalog.wcupa.edu/graduate/arts-humanities/linguistics)

Policies
- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/graduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

Faculty

Professors
- Cheryl D. Gunter (cgunter@wcupa.edu) (1999)
- Chairperson, Communication Sciences and Disorders
- B.A., University of Tennessee; M.A., University of Memphis; Ph.D., University of Texas - Austin
- Elaine B. Jenks (ejenks@wcupa.edu) (1992)
- B.A., University of Maryland; M.A., Gannon University; Ph.D., Pennsylvania State University
- Mareile A. Koenig (mkoenig@wcupa.edu) (1990)
- Graduate Coordinator, Communication Sciences and Disorders
- B.S., M.S., Southern Illinois University; Ph.D., University of Illinois
- Sara Lamb Kistler (slamb@wcupa.edu) (2004)
- Assistant Chairperson, Early and Middle Grades Education
- B.S., M.A., West Chester University; Ph.D., University of Delaware
- Michel H. Sage (msage@wcupa.edu) (1994)
- Graduate Coordinator, Languages and Cultures
- M.A., San Diego University; Ph.D., University of California, Berkeley
- Andrea Varricchio (avarricchio@wcupa.edu) (1986)
- Graduate Coordinator, Languages and Cultures
- B.A., Chestnut Hill College; M.A., Middlebury College; Ph.D., Temple University

Associate Professors
- Mahmoud Amer (mamer@wcupa.edu) (2011)
- B.A., Mutah University; M.A., University of Toledo; Ph.D., Indiana University of Pennsylvania
- Maria José Cabrera (mcabrera@wcupa.edu) (2007)
- B.A., Universidad de Marcia (Spain); M.A., West Virginia University; Ph.D., Rutgers University
- Sojung Kim (skim@wcupa.edu) (2011)
- B.A., Sung Kyun Kwan University (South Korea); M.A., Ohio University; Ph.D., Arizona State University
- Israel Sanz-Sanchez (isanzsanchez@wcupa.edu) (2009)
- B.A., University of Valladolid (Spain); M.A., San Diego State University; Ph.D., University of California, Berkeley
- Chui Kian Smidt (csmidt@wcupa.edu) (2011)
- Director, Teaching English as a Second Language
- Graduate Coordinator, Teaching English as a Second Language

Graduate Coordinator, Teaching English as a Second Language
- Chui Kian Smidt (csmidt@wcupa.edu)
- Associate Professor

Assistant Chairperson, Early and Middle Grades Education
- B.A., Chestnut Hill College; M.A., Middlebury College; Ph.D., Temple University

Graduate Coordinator, Languages and Cultures
- Andrea Varricchio (avarricchio@wcupa.edu)
- Associate Professor

Chairperson, Communication Sciences and Disorders
- Cheryl D. Gunter (cgunter@wcupa.edu)
- Professor

Graduate Coordinator, Communication Sciences and Disorders
- Mareile A. Koenig (mkoenig@wcupa.edu)
- Associate Professor

Graduate Coordinator, Languages and Cultures
- Andrea Varricchio (avarricchio@wcupa.edu)
- Associate Professor
MINOR IN LINGUISTICS

College of Arts and Humanities

Curriculum

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG/LIN 230</td>
<td>Introduction to Linguistics</td>
<td>3</td>
</tr>
<tr>
<td>ENG 331</td>
<td>Structure of Modern English (or any other approved alternative to ENG 331)</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives

Select four courses from the following: 12

Alternative courses not shown in this list may be chosen, provided that they are approved by the program coordinator.

COM 415 Language, Thought & Behavior
COM 307 Nonverbal Communication
COM 450 Health Communication
CSC 220 Foundations of Computer Science
CSC 345 Programming Language Concepts/Paradigms
CSC 481 Artificial Intelligence
CSD 203 Speech and Hearing Science
CSD 207 Introduction to Phonetics
ENG 335 History of the English Language
ENG 339 Dialects of American English
ENG 340 Sociolinguistic Aspects of English
FRE 302 Phonetics and Advance Oral French
LAN 327 Introduction to Linguistics for Language
LAN 382 Teaching English Language Learners PK-12
LAN 401 Teaching of Modern Languages: K - 12
LAN 425 Internship in Foreign Languages
LIN 211 Language Communities in the US and Canada

Total Credits: 18

The following courses are eligible for use as electives but are less frequently taught:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIT 328</td>
<td>Old English Language and Literature</td>
</tr>
<tr>
<td>LIN 411</td>
<td>Seminar Linguistics</td>
</tr>
<tr>
<td>LIT 330</td>
<td>Middle English Language and Literature</td>
</tr>
<tr>
<td>SPA 340</td>
<td>Study of Bilingualism: An Introduction</td>
</tr>
<tr>
<td>SPA 353</td>
<td>Introduction to the Study of Language: Spanish</td>
</tr>
<tr>
<td>SPA 370</td>
<td>History of the Spanish Language</td>
</tr>
</tbody>
</table>

For course descriptions, see Communication Sciences and Disorders (CSD), Communication and Media (COM), Computer Science (CSC), English (ENG or LIT), Languages and Cultures (LAN, LIN, FRE, GER, RUS, or SPA), or Philosophy (PHI).

DEPARTMENT OF LITERACY

College of Education and Social Work

108B Recitation Hall
610-436-2877

Department of Literacy (http://www.wcupa.edu/literacy)
Carol Smith (csmith3@wcupa.edu), Chairperson

The Department of Literacy offers literacy courses required in the Early and Middle Grades Preparation, Secondary Education, and Special Education programs. Students desiring a more thorough background in reading instruction may choose a literacy minor. The department also offers courses in college reading and study skills for any University student.

All field placements for courses are arranged in conjunction with the Department of Early and Middle Grades Education and the Department of Special Education. Students are not to solicit placements. While student needs are considered in assigning placements, no particular placement can be guaranteed. West Chester University does not place students at religiously affiliated schools when public school placements are available. Transportation to and from field placements is the responsibility of the individual student.

Programs

Minors in Literacy

• Literacy (p. 363)

Graduate Opportunities

See the graduate catalog for information on the Literacy programs. (http://catalog.wcupa.edu/graduate/education-social-work/literacy)

Policies

• See undergraduate admissions information. (p. 11)
• See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.
Faculty

Professors
Dena G. Beeghly (dbeeghly@wcupa.edu) (1992)
B.S., Southern Connecticut State University; M.Ed., Ed.D., University of Georgia

Kevin Flanigan (kflanigan@wcupa.edu) (2003)
Graduate Coordinator, Literacy
B.A., Mary Washington College; M.Ed., James Madison University; M.Ed., Ph.D., University of Virginia

Associate Professors
Sunita Mayor (smayor@wcupa.edu) (2000)
B.A., University of Calcutta; B.Ed., University of Rohtak; M.Ed., Xavier University; Ed.D., University of Cincinnati

Diane Santori (dsantori@wcupa.edu) (2008)
B.S., Temple University; M.S., St. Joseph’s University; Ed.D., University of Pennsylvania

Heather Schugar (hschugar@wcupa.edu) (2008)
B.S., M.Ed., Ph.D., University of Maryland

Tina Selvaggi (tselvaggi@wcupa.edu) (2012)
B.A., M.S., St. Joseph’s University; Ed.D., Widener University

Kathleen Riley (kriley@wcupa.edu) (2013)
B.A., Colby College; M.A., American University; Ph.D., University of Pennsylvania

Kathryn Solic (ksolic@wcupa.edu) (2013)
B.A., University of Notre Dame; M.Ed., University of Florida; Ph.D., University of Tennessee

Assistant Professors
Melissa E. Adams-Budde (madams@wcupa.edu) (2014)
B.A., University of Maryland, College Park; M.S., Johns Hopkins University; Ph.D., University of North Carolina

Sarah Lightner (slightner@wcupa.edu) (2017)
B.S., Pennsylvania State University; M.A., University of Pittsburgh; Ph.D., Ohio State University

Jennifer Raskauskas (jraskauska@wcupa.edu) (2017)
B.S., B.A., Bucknell University; M.A., Columbia University Teachers College; Ph.D., University of Illinois, Urbana-Champaign

Kathleen Riley (kriley@wcupa.edu) (2013)
B.A., Colby College; M.A., American University; Ph.D., University of Pennsylvania

Dena G. Beeghly (dbeeghly@wcupa.edu) (1992)
B.S., Southern Connecticut State University; M.Ed., Ed.D., University of Georgia

ASSISTANT PROFESSORS

Jennifer Raskauskas
Kathleen Riley
Melissa E. Adams-Budde
Sarah Lightner

EDR 120. College Reading and Study Skills. 3 Credits.
This course is designed for students who wish to improve their college level reading and study skills. Students will learn a wide range of reading and writing strategies (note taking, textbook reading and marking, time management, test taking) that can be applied across disciplines and in other college courses. This course is organized around thematic inquiries so that students can practice and apply critical literacy and critical thinking skills through engaging in dialogue around cross-disciplinary issues. Typically offered in Fall, Spring & Summer.

EDR 302. Teaching the Language Arts. 3 Credits.

EDR 304. Teaching Language Arts Pre-K-4. 3 Credits.
This course examines theories, issues, methods, materials and assessments for a developmental PK-4 language arts program. Integrating reading, writing, speaking, listening, viewing and visually representing as tools for communication, discovery, and learning across the curriculum will be emphasized. Students will develop their writing abilities over the course of the semester. Pre / Co requisites: EDR 304 requires a prerequisite of EGP 210. Gen Ed Attribute: Writing Emphasis. Typically offered in Fall & Spring.

EDR 306. Teaching Language Arts 4-8. 3 Credits.
This course is designed to study current trends for integrating language arts across curriculum in the middle school setting. Emphasis is placed on the connections between listening, speaking, writing and reading. Instructional strategies that link reading, writing, literature and language across the curriculum will be explored. Appropriate language arts curriculum, including pedagogy for early adolescents will be addressed. Pre / Co requisites: EDR 306 requires a prerequisite of EDP 201 or EDP 250. Gen Ed Attribute: Writing Emphasis. Typically offered in Fall, Spring & Summer.

EDR 307. Foundation in Reading PreK-4. 3 Credits.
This course is designed to prepare students for teaching reading using a balanced approach of various theoretical teaching models based on current research and knowledge. Through readings, lectures, and class activities, students will develop a solid understanding of the reading process and how to construct and manage a classroom environment that promotes optimal literacy learning. Students will acquire knowledge about how to meet the diverse needs of learners at all stages of literacy development. In addition, students will learn how to formally and informally assess students to monitor reading progress and plan appropriate reading instruction. Some sections include a service learning component that requires field clearances. Pre / Co requisites: EDR 307 requires prerequisite EGP 210. Distance education offering may be available. Typically offered in Fall.

EDR 308. Foundations in Reading 4-8. 3 Credits.
This course prepares candidates to teach reading in grades 4-8 using a balanced approach of theoretical teaching models based on current research and knowledge. Through readings, lectures, and class activities, students will develop a solid understanding of the reading process; how to construct and manage a classroom environment that promotes optimal literacy learning; how to meet diverse needs of learners at all developmental stages; and how to assess students, monitor their progress, and plan appropriate instruction. Pre / Co requisites: EDR 308 requires a prerequisite of EDP 201 or EDP 250. Typically offered in Fall & Spring.

EDR 309. Introduction to the Language Arts. 3 Credits.
The areas of listening, speaking, and writing are studied in depth. Knowledge, teaching, and evaluative techniques are addressed. Introduction to the reading process and the relationship of language to reading also will be studied. Typically offered in Fall & Spring.

EDR 311. Introduction to Reading Instruction. 3 Credits.
An exploratory course investigating the reading process, language and learning theories, and their realization to reading. Historical scope and various programs of reading are studied and evaluated. Pre / Co requisites: EDR 311 requires prerequisite of EDE 251 or HEA 206.
EDR 312. Reading Instruction and Practicum. 6 Credits.
Focus is on mastery of the teaching of developmental reading, early reading, and prereading experiences. The students learn how to plan, teach, and evaluate reading/thinking skills related to the instruction of reading in the elementary classroom. Students work in the public schools with small and large reading groups teaching various aspects of the reading lesson. Students also learn how to evaluate pupil performance and remediate minor reading problems.
Pre / Co requisites: EDR 312 requires a prerequisite of EDE 200.

EDR 317. Reading Instruction and Practicum PreK-4. 6 Credits.
The teaching of reading and its mastery is the focus of this course. Students apply knowledge of theories and practices in supervised field placements in schools with children 5-9 years of age. Tutoring of individual children and small groups is integrated with planning and evaluation of lessons and activities as well as remediation. Field clearances are required.
Pre / Co requisites: EDR 317 requires prerequisite EGP 210, EGP 220, EDR 304, EDR 307 and FATE.

EDR 318. Reading Instruction and Practicum 4-8. 6 Credits.
A field-based course designed for planning, teaching, and evaluating literacy practices in grades 4-8. Through observations, study, implementation, and reflections, candidates will explore strategies for improving children's literacy skills while examining how language, learning, and culture impact instruction. Guided by PA Standards-based curriculum, students will construct and teach a variety of literacy lessons. Candidates will analyze the effects of various contexts and instructional practices on children's learning. Field clearances are required.
Pre / Co requisites: EDR 318 requires prerequisite EDP 250, EDP 250, EDR 306 and EDR 308 and FATE.

EDR 321. Assessment and Instructional Interventions in Reading and Language Arts. 3 Credits.
This course examines current theories and practices for assessing literacy performance. Students learn to apply knowledge by designing and implementing literacy interventions tailored to specific needs and diverse educational environments.
Pre / Co requisites: EDR 321 requires prerequisites of EDR 307 or EDR 308.

EDR 325. Teaching Reading and Field Experience. 6 Credits.
The teaching of reading and its mastery is the focus of this course. Students apply knowledge of theories and practices in supervised field placements in schools with children 5-8 years of age. Tutoring of individual children and small groups is integrated with planning and evaluation of lessons and activities as well as remediation. Field clearances are required.
Pre / Co requisites: EDR 325 requires prerequisites of ECE 309 or EDR 309 and formal admission into teacher education.

EDR 341. Inclusion and Reading in Content Area. 3 Credits.
This course is co-taught by special education and literacy faculty. It will help prepare secondary education and special education to teach all students effectively, including those with disabilities, in general-education, content-specific settings. Practical guidelines, content literacy strategies and adaptations will be emphasized to prepare pre-educators to meet the academic, social, and affective needs of all students in the inclusive secondary classroom.
Pre / Co requisites: EDR 341 requires prerequisites of EDP 250 and EDF 100 or EDF 300. Honors students take HON 312 in lieu of EDF 300. Gen Ed Attribute: Diversity Requirement. Cross listed courses EDR 341, EDR 341.

EDR 345. Literacy Development and Students in Inclusive Classrooms. 3 Credits.
This course is designed to help students understand literacy acquisition and development for students with disabilities as defined in I.D.E.A. The course will focus on the challenges that reading and writing pose for students with disabilities and resulting appropriate assessment and instructional techniques. Content area literacy for students with disabilities will be addressed.
Pre / Co requisites: EDR 345 requires prerequisites of (EDR 304 and EDR 307) or (EDR 306 and EDR 308) or (EDR 306 and EDR 308) or (EDR 306 and EDR 308). Typically offered in Fall, Spring & Summer.

EDR 347. Literacy Development and Secondary Students with Disabilities in Inclusive Classrooms. 3 Credits.
This course is designed to help students understand literacy acquisition and development for students with disabilities. The course focuses on the challenges that reading and writing pose for students with disabilities and how appropriate assessment and instructional techniques can be used to support these learners in the regular education classroom.
Pre / Co requisites: EDR 347 requires prerequisites of EDA 103 or MUE 201. Typically offered in Fall & Spring.

EDR 400. Literacy, Diversity, & Equity in K-12 Classrooms. 3 Credits.
In this course, students will explore literacy as a critical social practice. We will focus on the ways that literacy education has the potential to exclude, oppress, liberate, and empower students who have been historically marginalized in school settings because of their race, class, gender, and sexuality. Students will develop specific tools, stances, and approaches to teach towards a more just and equitable society.
Gen Ed Attribute: Diversity Requirement. Typically offered in Fall & Spring.

EDR 420. Reading in the Content Areas. 3 Credits.
This course examines content area literacy as an integrated knowledge base used for learning with text across the curriculum. Strategies and practices, including the use of technology, for enhancing reading and learning in the content areas will be explored. Considerations for environmental, linguistic, cultural, and cognitive diversity will be included.
Pre / Co requisites: EDR 420 requires prerequisite of EDR 307 or EDR 308.

EDR 422. Seminar in Reading. 3 Credits.
Intensive study of current and major trends in practices in literacy related to K-12 education.
Pre / Co requisites: EDR 422 requires prerequisite of EDR 307 or EDR 308.

EDR 425. Teaching Multimodal Literacies. 3 Credits.
Participants will learn about expanding forms of print and electronic literacy that encompass three categories of new literacies, specifically, information literacy, critical literacy and literacy as global and social practice. They will explore theories, research and methodologies associated with these literacies and develop curricula that incorporate them.

MINOR IN LITERACY

**College of Education and Social Work**

**Curriculum**

Students who wish to minor in literacy must have the following: 48 credits earned at WCU with a cumulative GPA of 2.80. Transfer students must have 48 credits including a minimum of 12-18 credits earned at WCU with a cumulative GPA of 2.80. Students who fall below the minimum cumulative GPA required are permitted to retake, in accordance with University policy, coursework in the minor that contributed to their fall below the required minimum cumulative GPA. Such students will not be permitted to take additional coursework in the minor until they achieve the required minimum cumulative GPA.

**Core Courses**

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<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>EDR 304</td>
<td>Teaching Language Arts Pre-K-4</td>
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<tr>
<td>or EDR 306</td>
<td>Teaching Language Arts 4-8</td>
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<tr>
<td>EDR 307</td>
<td>Foundation in Reading Pre-K-4</td>
<td>3</td>
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<td>or EDR 308</td>
<td>Foundations in Reading 4-8</td>
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<tr>
<td>EDR 345</td>
<td>Literacy Development and Students in Inclusive Classrooms</td>
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<tr>
<td>or EDR 347</td>
<td>Literacy Development and Secondary Students with Disabilities in Inclusive Classrooms</td>
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<tr>
<td>EDR 400</td>
<td>Literacy, Diversity, &amp; Equity in K-12 Classrooms</td>
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**Tracks**

6

Choose one track:

**Early & Middle Grades Education Track**

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<tr>
<th>Course</th>
<th>Title</th>
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<tr>
<td>EDR 321</td>
<td>Assessment and Instructional Interventions in Reading and Language Arts</td>
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**Secondary Education Track**

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<tr>
<td>EDR 321</td>
<td>Assessment and Instructional Interventions in Reading and Language Arts</td>
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</table>
Minors in Management
• International Business (p. 368)
• Business Law (p. 369)
• Human Resource Management (p. 369)

Graduate Opportunities
See the graduate catalog for more information on the Management (http://catalog.wcupa.edu/graduate/business-public-management/management) and Business Administration (http://catalog.wcupa.edu/graduate/business-public-management/business-administration) programs.

Policies
• See undergraduate admissions information. (p. 11)
• See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

Prerequisites for Entry into the Business Majors: Accounting, Economics, Finance, Management and Marketing
To apply for their business major, students must:
1. Complete ECO 111, ECO 112, ECO 251, MGT 200, MKT 250, and ACC 201 with a C or better in each course
2. Pass and complete both MAT 113 and MAT 143 with a C or better required in at lease one of them. If a student is placed directly into MAT 143 and receives a C or higher or has completed MAT 161 or MAT 162 with a C or better, then the student does not have to take MAT 113 (replaced as a free elective).
3. Have a minimum overall GPA of 2.50
4. Pass an Excel basic skills exam with an 88% or better
5. Have at least 45 credit hours.

These requirements must be met to be eligible to register for 300 and 400 level business courses. The same rules apply to all transfer students-both internal (those from within the University) and external (those from a non-WCU institution).

Management Major Graduation Policies
To graduate with an earned degree from the Department of Management’s major programs, students must have a 2.50 overall GPA.

GPA Requirement for the Minor in Business Law
To be admitted to the business law minor students must have an overall 2.5 GPA. Students must maintain an overall 2.5 GPA and earn a grade of C or better in each course required for the minor.

Faculty
Professors
Gerard A. Callanan (gcallanan@wcupa.edu) (2001)
B.A., Temple University; M.B.A., La Salle University; Ph.D., Drexel University
Brian Halsey (bhalsey@wcupa.edu) (2010)
Graduate Director, School of Business
B.A., Shippensburg University; J.D., Widener University School of Law; L.L.M., Villanova University School of Law
Evan A. Leach (eleach@wcupa.edu) (1993)
B.A., Pennsylvania State University; M.A., West Chester University; Ph.D., Yale University
Sandra M. Tomkowicz (stomkowicz@wcupa.edu) (1993)
Director, Pre-Law Program
B.S., La Salle University; J.D., University of Pennsylvania
Xiaowei Zhu (xzhu@wcupa.edu) (2006)
B.S., Beijing Union University; M.A., University of Iowa; Ph.D., University of Wisconsin-Milwaukee
Monica Zimmerman (mzimmerman@wcupa.edu) (2008)
B.S., Messiah College; M.B.A., Pennsylvania State University; Ph.D., Temple University

Associate Professors
Lisa Calvano (lcalvano@wcupa.edu) (2011)
Assistant Chairperson, Management
B.S., Drexel University; M.Sc., London School of Economics; M.B.A., Ph.D., Temple University
David Perri (dperri@wcupa.edu) (2005)
B.A., College of the Holy Cross; M.A., Pennsylvania State University
Paul F. Rotenberry (protenberry@wcupa.edu) (2005)
B.A., Widener University; M.A., Ph.D., University of Akron; SHRM-SCP, The Society for Human Resource Management
Matthew I. Shea (mshea@wcupa.edu) (2012)
B.A., Connecticut College; M.H.A., M.B.A., University of Pittsburgh; Ph.D., Temple University

Assistant Professors
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Graduate Coordinator, Management
B.A., West Chester University; M.A., J.D., Villanova University
Kelly Fisher (kfisher@wcupa.edu) (2014)
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Shayna Frawley (sfrawley@wcupa.edu) (2017)
University of Western Ontario, B.A.; Queens University, M.S.; York University, Ph.D.
Guohua Jiang (gjiang@wcupa.edu) (2013)
B.S., Shanghai Jiaotong University; M.S., Nanjing University; Ph.D., Florida Atlantic University
Vicky Katsioloudes (vkatsiolou@wcupa.edu) (2017)
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Li Lu (llu@wcupa.edu) (2016)
B.A., Peking University; M.S., Cornell University; Ph.D., University of Southern California
Ma Ga (mark) Yang (myang@wcupa.edu) (2013)
B.A., Hankuk University of Foreign Studies; M.B.A., Ph.D., The University of Toledo
Anthony R. Wheeler (awheeler@wcupa.edu) (2017)
B.A., University of Maryland at College Park; M.S., Ph.D., University of Oklahoma

Courses

BLA

BLA 201. Legal Environment of Business. 3 Credits.
Examines the framework of the American legal system and its impact on the environment in which business operates. Sources of law, including constitutional, statutory, administrative, and common law principles, that define the relationships between government and business; buyers and sellers of goods and services; and employers and employees are discussed. Distance education offering may be available. Typically offered in Fall, Spring & Summer.

BLA 302. Business and Commercial Law. 3 Credits.
A study of the most widely examined commercial law subjects. It is meant to be a partial preparation for the uniform Certified Public Accountant (CPA) examination. The course also provides business students with knowledge of advanced business law topics, including the following: the Uniform Commercial Code; debtor-creditor relationships; business organizational structures; and, other relevant federal laws and regulations.
Pre / Co requisites: BLA 302 requires a prerequisite of BLA 201.
Distance education offering may be available. Typically offered in Spring & Summer.

BLA 306. Employment Law. 3 Credits.
This course introduces students to the body of statutory and common law that affects employees and employers in the workplace, with a special emphasis on laws that prohibit discrimination, such as Title VII of the Civil Rights Act of 1964, the Americans with Disabilities Act and the Age Discrimination in Employment Act. Other laws examined in this course include laws affecting employee health, safety and welfare as well as statutes designed to protect employees’ rights to engage in whistleblowing and union activity. Employment Law is designed to help students examine the interaction of legal considerations in the management process. This class is delivered in an online format, and includes video lectures, readings and discussion boards.
Pre / Co requisites: BLA 306 requires a prerequisite of BLA 201.
Distance education offering may be available. Typically offered in Fall & Spring.

BLA 307. Intellectual Property and the Online Environment. 3 Credits.
Coverage of the basics of patent, copyright, trademark, trade secrets, salient current issues in intellectual property law, and the challenges to copyright law posed by new technologies.
Pre / Co requisites: BLA 307 requires a prerequisite of BLA 201.
Distance education offering may be available. Typically offered in Spring.

BLA 308. Entrepreneurial Law. 3 Credits.
In-depth coverage of the legal considerations affecting an entrepreneurial enterprise throughout the life cycle of an organization, including pre-startup phases, launch considerations, growth challenges, and exit options.
Pre / Co requisites: BLA 308 requires prerequisites of BLA 201 and ACC 201.
Distance education offering may be available. Typically offered in Spring.

BLA 309. Labor Law. 3 Credits.
This course examines and analyzes labor-management relationships, particularly with respect to federal laws and regulations, administration of labor contracts, mediation, and arbitration processes. It incorporates all legal aspects of collective bargaining as well as related practices, and strategies of negotiation, unfair labor practices, and the management of organization-union relations. This class is delivered in an online format, and includes video lectures, readings and discussion boards.
Pre / Co requisites: BLA 309 requires a prerequisite of BLA 201.
Distance education offering may be available. Typically offered in Spring.

BLA 310. Constitutional Law & Business. 3 Credits.
This course is designed to provide students with a more sophisticated understanding of the relationship between government and business. We will examine the sources of constitutional authority for government regulation of business and the constitutional rights afforded business. Students will be encouraged to develop critical thinking and analytical reasoning skills to enhance their decision-making ability. This class is delivered in an online format, and includes video lectures, readings and discussion boards.
Pre / Co requisites: BLA 310 requires a prerequisite of BLA 201.
Distance education offering may be available. Typically offered in Fall.
INB
INB 199. Transfer Credits. 1-10 Credits.
Transfer Credits.
Repeatable for Credit.

INB 300. Introduction to International Business. 3 Credits.
Analysis of international business transactions in large and small businesses, multinational and domestic. Functional emphasis on multinational environment, managerial processes, and business strategies.
Pre / Co requisites: INB 300 requires prerequisites of MGT 200 and a minimum 2.50 cumulative GPA.
Distance education offering may be available.
Typically offered in Fall & Spring.

INB 403. International Accounting. 3 Credits.
Deal with accounting problems which are peculiar to international or multinational businesses. The financial reporting requirements for foreign income and investments of the FASB and SEC will be analyzed as they affect depreciation, foreign exchange, and statements of income and expenses.

INB 469. International Management Seminar. 3 Credits.
Study of issues confronting executives as they plan, organize, staff, and control a multinational organization. Lectures, case analyses, and outside projects with local firms engaged in, or entering, international business will be utilized.
Pre / Co requisites: INB 469 requires prerequisites of INB 300 and MGT 200 and minimum 2.50 CUM GPA.
Typically offered in Fall & Spring.

MGT
MGT 100. Introduction to Business. 3 Credits.
Survey of the structure and function of the American business system. Topics covered include forms of business organization, fundamentals of management, fundamentals of marketing, basic accounting principles and practices, elements of finance, money and banking, business and government, and careers in business. Open to nonbusiness majors.

MGT 200. Principles of Management. 3 Credits.
Introduction to the principles and functions of management. Examines the management process, organizational theory, planning, decision making, motivation, and leadership in supervisory contexts.
Pre / Co requisites: MGT 200 requires prerequisite of ECO 111.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

MGT 287. Operations and Supply Chain Management in China. 3 Credits.
The course objectives are to learn the latest approaches to Operations and supply chain management in China. A combination of coursework and company site visit in China will enable students to gain a firsthand understanding of Chinese business practices and culture.

MGT 313. Business and Society. 3 Credits.
An analysis of the social, political, legal, environmental, and ethical problems faced by business firms.
Pre / Co requisites: MGT 313 requires prerequisite of MGT 200 (Majors only) and minimum 2.50 CUM GPA.
Gen Ed Attribute: Writing Emphasis.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

MGT 321. Organization Theory and Behavior. 3 Credits.
Study of the theoretical foundations of organization and management. The system of roles and functional relationships. Practical application of the theory through case analysis.
Pre / Co requisites: MGT 321 requires prerequisites of MGT 200 (Majors only) and minimum 2.50 CUM GPA.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

MGT 341. Production and Operations Management. 3 Credits.
Methods analysis, work measurement, and wage incentives. Production process and system design. Plant location, layout, sales forecasting, inventory, production, and quality control, to include statistical aspects of tolerances, acceptance sampling, development of control charts, PERT, and cost factors.
Pre / Co requisites: MGT 341 requires prerequisites of ECO 351 and MGT 200 and minimum CUM GPA of 2.50.
Distance education offering may be available.
Typically offered in Fall & Spring.

MGT 361. Principles of Project Management. 3 Credits.
This course aims to provide students the principles and concepts of project management and essential skills in project management. This course also helps students to prepare PMI (Project Management Institute) certifications exams, like CAPM Project Management certification. Topics include the core knowledge areas of project management: integration, scope, time, cost, quality, human resources, communication, risk procurement. Several basic tools/methods will be studied, such as Work Breakdown Structure, Gantt Chart, PERT/CPM method, and crashing. This course will explore the challenges facing today’s project managers and will provide a broad understanding of the project management environment focused on multiple aspects of the project. Skill development is accomplished through lectures, discussion, and project.
Pre / Co requisites: MGT 361 requires a prerequisite of MGT 200.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

MGT 399. Transfer Elective Upper Level. 1-10 Credits.
Transfer Elective Upper Level.
Repeatable for Credit.

MGT 431. Human Resource Management. 3 Credits.
Study of the effective management of an organization’s human resources. Topics include recruitment, selection, compensation, performance appraisal, labor relations, and enforcement of equal employment opportunity laws.
Pre / Co requisites: MGT 431 requires prerequisites of MGT 200 (Majors only) and 2.50 Minimum CUM GPA.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

MGT 432. Staffing & Development. 3 Credits.
This course examines all aspects of talent acquisition and management in organizations, including workforce planning, staffing, training, career development and performance management. The importance of building an ethical culture that enhances employee engagement and organizational effectiveness is emphasized.
Pre / Co requisites: MGT 432 requires a prerequisite of MGT 200 or department consent for non-business majors.
Typically offered in Fall.

MGT 433. Compensation Management. 3 Credits.
This course examines the development and implementation of compensation systems in organizations. Topics covered include compensation philosophies; economic and social factors affecting compensation plans; pay surveys; pay equity; and specific types of financial and non-financial compensation and benefits.
Pre / Co requisites: MGT 433 requires a prerequisite of MGT 200 or department consent for non-business majors.
Typically offered in Spring.

MGT 441. Introduction to Management Science. 3 Credits.
Business problems in production, inventory, finance, marketing, and transportation translated into application of scientific methods, techniques, and tools to provide these in control of the system with optimum solutions.
Pre / Co requisites: MGT 441 requires prerequisite of MGT 341 (Majors only) and minimum 2.50 CUM GPA.
Typically offered in Fall & Spring.

MGT 451. Systems Management. 3 Credits.
Application of systems theory and principles to the operation of contemporary organizations with emphasis on nonquantitative methods of analysis.
Pre / Co requisites: MGT 451 requires prerequisite of MGT 321 and minimum 2.50 CUM GPA.
MGT 471. Entrepreneurship. 3 Credits.
The organization of a business venture with an emphasis on risk, requirements, roles, and rewards.
Students develop a simulated venture, with oral and written report.
Prerequisite: MGT 471 requires prerequisites of ACC 201 and ACC 202 and FIN 325 and
MKT 200 and MGT 250 and minimum 2.50 CUM GPA.
Typically offered in Fall & Spring.

MGT 472. Entrepreneurship: Feasibility and Launch. 3 Credits.
The focus of this course is testing the feasibility and writing a business plan for a new business
launch. Students will learn about industry analysis, market research, funding, financial
statement projections, management team and personnel, and marketing strategy. Students
will test the feasibility of business ideas, select a feasible idea, develop a business plan and
present it.
Prerequisite: MGT 472 requires a prerequisite of MGT 471.
Typically offered in Fall & Spring.

MGT 483. Management Internship. 3 Credits.
The management internship is designed to enhance the student’s educational experience by
providing a substantive work experience in the business world.
Prerequisite: Minimum 2.50 CUM GPA.
Consent: Permission of the Department required to add.
Repeatable for Credit.

MGT 486. Management Internship. 6 Credits.
The management internship is designed to enhance the student’s educational experience by
providing a substantive work experience in the business world.
Prerequisite: Minimum 2.50 CUM GPA.
Consent: Permission of the Department required to add.
Repeatable for Credit.

MGT 487. Special Topics in Management. 3 Credits.
This course deals with current concepts in management not covered by existing courses.
The course content is determined at the beginning of each semester.
Prerequisite: MGT 487 requires prerequisites of MGT 200 and minimum 2.50 CUM GPA.
Typically offered in Fall & Spring.
Repeatable for Credit.

MGT 488. Independent Studies in Management. 1-3 Credits.
Special research projects, reports, and readings in management.
Prerequisite: Minimum 2.50 CUM GPA.
Repeatable for Credit.

MGT 498. Seminar in Management. 3 Credits.
Students are engaged in reading and research on current developments in management.
Research project is required to help expand and deepen the horizons of the participants.
Prerequisite: MGT 498 requires a minimum 2.50 CUM GPA and a minimum of 90 credits
completed.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall, Spring & Summer.

MGT 499. Business Policy and Strategy. 3 Credits.
This School of Business capstone course requires all business majors to integrate and apply
multidisciplinary knowledge and skills in actively formulating improved business strategies
and plans. Case method predominates, and written reports are required.
Prerequisite: MGT 499 requires prerequisites of BLA 201, FIN 325, MGT 200, and MKT 250
and a minimum 2.50 cumulative GPA.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

MIS

MIS 199. Transfer Credit Electives. 1-15 Credits.
Transfer Credit.
Repeatable for Credit.

MIS 300. Introduction to Management Information Systems. 3 Credits.
A comprehensive introduction to the role of information systems in an organizational
environment. This course focuses on transforming manual and automated data into useful
information for managerial decision making.
Prerequisite: MIS 300 requires prerequisites of MGT 200 and minimum CUM GPA of 2.50.
Distance education offering may be available.
Typically offered in Fall & Spring.

MIS 301. Introduction to Business’s Software. 3 Credits.
The goal of this course is to teach business majors the uses of standard business software for
solving standard business problems. The focus is on spreadsheets and presentation software.
Prerequisite: MIS 301 requires prerequisite of minimum 2.50 CUM GPA.
Typically offered in Fall & Spring.

MIS 453. Decision Support Systems. 3 Credits.
This course is an advanced presentation of the role of management information systems in the
special support needs of managers for aiding decision making.
Prerequisite: MIS 453 requires prerequisites of MGT 441 and MIS 300.
Typically offered in Fall & Spring.

B.S. IN BUSINESS MANAGEMENT
B.S. IN INTERNATIONAL BUSINESS

College of Business and Public Management

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

- English Composition
- Mathematics (Requirement fulfilled by major requirements. See below.)
- Public Speaking
- Science requirements
- Behavioral and Social Science requirements
- Humanities requirements
- History of Civilization
- Introduction to Ethics

Required Courses

- ECO 111 Principles of Economics (Macro)
- ECO 351 Business Analytics
- ECO 352 Business Statistics
- ENG 371 Technical Writing
- GEO 325 Introduction to GIS
- GEO 425 Business GIS Applications
- PHI 180 Introduction to Ethics
- PHI 373 Business Ethics
- PSC 318 International Political Economy
- PSC 372 Organization and Management
- PSY 327 Applied Behavior Analysis
- PSY 445 Organizational Development
- SOC 340 Sociology of Work
- SOC 343 Sociology of Organizations

Optional Business Electives

- MAT 143 Brief Calculus
- MAT 115 Algebra and Functions
- MAT 113 Precalculus
- INB 300 Introduction to International Business
- INB 469 International Management Seminar

Other Requirements

- Brief Calculus
- Precalculus

Free Electives/Minor Electives

- Arts requirement
- Diverse Communities requirement
- Interdisciplinary requirement

International Major Core

- ACC 201 Financial Accounting
- ACC 202 Managerial Accounting
- BLA 201 Legal Environment of Business
- ECO 251 Business Analytics
- or MAT 121 Introduction to Statistics
- ECO 351 Business Analytics II
- FIN 325 Corporate Finance
- MGT 200 Principles of Management
- MGT 341 Production and Operations Management
- MGT 499 Business Policy and Strategy
- MKT 250 Principles of Marketing

International Major Core

- ECO 112 Principles of Economics (Micro)
- FIN 372 International Finance
- or ECO 338 International Economics
- GEO 101 World Geography

International Business Core

- MGT 131 Business and Society
- MGT 313 Human Resource Management
- MKT 380 International Marketing

Optional Business Electives

- Any 300- or 400-level courses in ACC, BLA, ECO, FIN, INB, MIS, MGT, or MKT.

Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

B.S. IN INTERNATIONAL BUSINESS

College of Business and Public Management

Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

MINOR IN INTERNATIONAL BUSINESS

College of Business and Public Management

Required Courses

- INB 300 Introduction to International Business
- INB 469 International Management Seminar
Two language-based courses from the Department of Languages and Cultures 6
Electives 1
Students may choose three elective courses from the list approved by the Department of Management. See the minor advising guide and the minor adviser for the list of possible electives.
Total Credits 21
1 A minimum grade of C must be attained in these courses.

MINOR IN BUSINESS LAW
College of Business and Public Management

Curriculum

Required Courses
BLA 201 Legal Environment of Business 3
BLA 306 Employment Law 3
ACC 201 Financial Accounting 3
Total Minimum Credits Required 9

Elective Courses
Choose three:
BLA 302 Business and Commercial Law 3
BLA 307 Intellectual Property and the Online Environment 3
BLA 308 Entrepreneurial Law 3
BLA 309 Labor Law 3
BLA 310 Constitutional Law & Business 3
Total Minimum Credits Required 9

MINOR IN HUMAN RESOURCE MANAGEMENT
College of Business and Public Management

Curriculum

Core Requirements
BLA 201 Legal Environment of Business 3
BLA 306 Employment Law 3
MGT 321 Organization Theory and Behavior 3
MGT 431 Human Resource Management 3
MGT 432 Staffing & Development 3
Total Minimum Credits Required 18

Elective
Select one elective course:
BLA 309 Labor Law (Elective) 3
MGT 433 Compensation Management 3
Total Minimum Credits Required 3

DEPARTMENT OF MARKETING
College of Business and Public Management

409 Business and Public Management Center
50 Sharpless Street
West Chester, PA 19383
610-436-2304
Department of Marketing (http://www.wcupa.edu/marketing)
Paul Arsenault (parsenault@wcupa.edu), Chairperson

The department strives to provide students with the ability to:
• Develop an understanding of the ethical concerns of marketing decisions
• Use appropriate business tools and process to develop, analyze, and communicate information
• Develop an awareness of the impact of global diversity on marketing decisions
• Effectively communicate information of a business nature through written presentations
• Effectively communicate information of a business nature and engage audiences (small and large) through oral presentations
• Effectively interact with others as part of a team
• Possess the requisite knowledge and tool sets of the marketing discipline
• Acquire and evaluate information to solve marketing problems

The following applies to students entering the marketing major:
• All freshmen and those external transfer students who have not completed all prerequisites to enter directly into the major will be admitted to the pre-business marketing program.

Programs

Majors in Marketing
• B.S. in Marketing (p. 371)

Graduate Opportunities
See the graduate catalog for more information on the Business Administration programs. (http://catalog.wcupa.edu/graduate/business-public-management/business-administration)

Policies
• See undergraduate admissions information. (p. 11)
• See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

Prerequisites for Entry into the Business Majors: Accounting, Economics, Finance, Management and Marketing

To apply for their business major, students must:
1. Complete ECO 111, ECO 112, ECO 251, MGT 200, MGT 250, and ACC 201 with a C or better in each course
2. Pass and complete both MAT 113 and MAT 143 with a C or better required in at lease one of them. If a student is placed directly into MAT 143 and receives a C or higher or has completed MAT 161 or MAT 162 with a C or better, then the student does not have to take MAT 113 (replaced as a free elective).
3. Have a minimum overall GPA of 2.50
4. Pass an Excel basic skills exam with an 88% or better
5. Have at least 45 credit hours.

These requirements must be met to be eligible to register for 300 and 400 level business courses. The same rules apply to all transfer students—both internal (those from within the University) and external (those from a non-WCU institution).

Marketing Major Graduation Policies
To graduate with an earned degree from the Department of Marketing’s major program, students must have a 2.50 overall GPA.

Faculty

Professors
Paul M. Arsenault (parsenault@wcupa.edu) (1998)
Chairperson, Marketing
M.S., Vanderbilt University; M.B.A., Wake Forest University; Ph.D., Temple University
John Gault (jgault@wcupa.edu) (1991)
B.S., U.S. Naval Academy; M.B.A., University of Pennsylvania; Ph.D., Drexel University
Jason Phillips (jphillips@wcupa.edu) (1999)
B.S., Pennsylvania State University; M.B.A., Texas A&M University; Ph.D., Pennsylvania State University
Chun-Chen Wang (cswang@wcupa.edu) (2011)
B.A., Fu Jen Catholic University (Taiwan); M.B.A., Baruch College; Ph.D., University of Texas at Arlington
Yong J. Wang (ywang@wcupa.edu) (2017)
LL.B/ B.A., Qingdao University; LL.M., University of Amsterdam; Ph.D., University of Texas

Associate Professor
Michael Guiry (mguiry@wcupa.edu) (2016)
B.S., Cornell University; M.B.A., Duke University; Ph.D., University of Florida

Assistant Professors
Alex Cohen (acoohen2@wcupa.edu) (2017)
University of Nevada, B.S.; Drexel University, M.S.; Drexel University, Ph.D.
Valerie Wang (vwang@wcupa.edu) (2017)
University of Texas- Pan American, B.A.; Ohio University, M.E.; Ohio University, Ph.D.

Courses

MKT 200. Survey of Marketing. 3 Credits.
Examines the impact of marketing systems in producing a standard of living in local and global economies. Topics include the structure and functions of marketing within an organization, the role of customers, and the competitive, political/legal/regulatory, economic, social-cultural, and technological environments in which these systems operate. May not be taken for credit after completion of any other marketing course. Open to nonbusiness majors. Typically offered in Fall & Spring.

MKT 250. Principles of Marketing. 3 Credits.
This course facilitates an understanding of key marketing strategy concepts and frameworks in order to engage effectively cross-functionally, globally, and in diverse environments, to keep markets and their unique needs top-of-mind in decision-making processes, and to drive successful business performance. You will learn to evaluate, develop, implement, and upgrade marketing plans, and to understand marketing’s connection to the other functions. Assorted career opportunities in industry are also discussed.
Pre / Co requisites: MKT 250 requires prerequisites of C or higher in ECO 111 or ECO 112, and sophomore standing.
Distance education offering may be available. Typically offered in Fall, Spring & Summer.

MKT 330. Consumer Behavior. 3 Credits.
Pre / Co requisites: MKT 330 requires prerequisites of MKT 250 or MKT 200 with a minimum grade of C and minimum 2.50 CUM GPA.
Typically offered in Fall & Spring.

MKT 340. Personal Selling. 3 Credits.
Analysis of the selling process applied to sales calls and sales strategies, communication, persuasion, motivation, ethics, interpersonal relationships, negotiations, and professionalism. Emphasis on case studies.
Pre / Co requisites: MKT 340 requires prerequisite of MKT 250 or MKT 200 with a grade of C. Minimum 2.50 CUM GPA. Majors only. Typically offered in Fall & Spring.

MKT 350. Advertising & Buyer Behavior. 3 Credits.
A study of advertising and sales promotion management with a major focus on organization, media, strategy, campaigns, legal control, consumer behavior, budgeting, and the coordination of these activities with overall marketing programs.
Pre / Co requisites: MKT 350 requires prerequisite of MKT 250 or MKT 200 with a grade of C. Minimum 2.50 CUM GPA Majors only. Typically offered in Fall & Spring.

MKT 360. Marketing Research. 3 Credits.
Systematic definition of marketing problems, strategies for data collection, model building, and interpretation of results to improve marketing decision making and control.
Pre / Co requisites: MKT 360 requires prerequisites of MKT 250 and minimum 2.50 CUM GPA. Typically offered in Fall & Spring.

MKT 380. International Marketing. 3 Credits.
Historical and theoretical background of foreign trade, world marketing environment and world market patterns, marketing organization in its international setting, and international marketing management.
Pre / Co requisites: MKT 380 requires prerequisite of MKT 250 and minimum 2.50 CUM GPA. Distance education offering may be available. Typically offered in Fall, Spring & Summer.

MKT 399. Transfer Elective Upper Level. 1-10 Credits.
Transfer Elective Upper Level. Repeatable for Credit.

MKT 406. Managing Sales. 3 Credits.
Source, technique, and theories applied to problems encountered in managing a sales force in the areas of administration, policy, organizational structure, personnel selection and evaluation, sales training, compensation, forecasting, establishing territories and quotas, and sales analyisis. Emphasis on case studies.
Pre / Co requisites: MKT 406 requires prerequisite of MKT 340 and minimum 2.50 CUM GPA.

MKT 410. Independent Studies in Marketing. 1-3 Credits.
Special research projects, reports, and readings in marketing. Open to seniors only.
Pre / Co requisites: Minimum 2.50 CUM GPA. Consent: Permission of the Department required to add. Repeatable for Credit.

MKT 425. Marketing Strategy and Planning. 3 Credits.
Application of the skills required for effective managerial decision making and communication using a team approach. Emphasis on case studies, computer simulations, and the development of a marketing plan; oral and written presentation of results.
Pre / Co requisites: MKT 425 requires prerequisites of MKT 250 and MKT 360 and minimum 2.50 CUM GPA, and is open to seniors only. Typically offered in Fall & Spring.

MKT 440. Senior Seminar in Marketing. 3 Credits.
Team research projects that require an in-depth investigation of a current topic in marketing, and the preparation and presentation of an oral and written professional report.
Pre / Co requisites: MKT 440 requires prerequisites of MKT 250 and MKT 360 and minimum 2.50 CUM GPA, and open to seniors only. Typically offered in Fall & Spring.

MKT 460. Marketing Internship. 3 Credits.
The marketing internship is designed to enhance the student’s educational experience by providing a substantive work experience in the business world. Students taking this course in the fall or spring semester are limited to a total of 15 semester hours.
Pre / Co requisites: Minimum 2.50 CUM GPA. Consent: Permission of the Department required to add. Typically offered in Fall, Spring & Summer. Repeatable for Credit.

MKT 461. Marketing Internship. 6 Credits.
The marketing internship is designed to enhance the student’s educational experience by providing a substantive work experience in the business world. A minimum of 360 hours of work in the internship is required. Students scheduling this course in the fall or spring semester are limited to a total of 12 semester hours.
Pre / Co requisites: Minimum 2.50 CUM GPA. Consent: Permission of the Department required to add. Typically offered in Fall, Spring & Summer. Repeatable for Credit.
MKT 490. Special Topics in Marketing. 3 Credits.
Special topics in marketing not covered under existing, regularly offered courses.
Pre / Co requisites: MKT 490 requires prerequisite of MKT 250 and minimum 2.50 CUM GPA.
Repeatable for Credit.

B.S. IN MARKETING
College of Business and Public Management

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

English Composition requirements 6
Mathematics requirement 3
Select one of the following:
MAT 115 Algebra, Functions, and Trigonometry 1
MAT 113 Algebra and Functions 1,2
MAT 143 Brief Calculus 1,3
MAT 131 Precalculus 3
MAT 161 Calculus 1 3

Public Speaking requirement 3
SPK 208 Public Speaking 1
or SPK 230 Business and Professional Speech Communication

Science requirements 6
Behavioral & Social Science requirements 6
ECO 111 Principles of Economics (Macro) 1

Humanities requirements 6
Select one of the following:
PHI 101 Introduction to Philosophy
PHI 150 Critical Thinking and Problem Solving
PHI 180 Introduction to Ethics (Also satisfies Diverse Communities general education requirement.)

Arts requirement 3
Diverse Communities requirement 3
Interdisciplinary requirement 3
Student Electives 9
Writing Emphasis requirements 9

Major Requirements

ACC 201 Financial Accounting 1 3
ACC 202 Managerial Accounting 1 3
BLA 201 Legal Environment of Business 3
ECO 112 Principles of Economics (Micro) 1 3
ECO 251 Business Analytics I 1 3
ECO 351 Business Analytics II 1 3
FIN 325 Corporate Finance 1 3
MGT 200 Principles of Management 1 3
MGT 313 Business and Society 1 3
MGT 341 Production and Operations Management 1 3
MGT 499 Business Policy and Strategy 1 3
MKT 250 Principles of Marketing 1 3

Related/Cognate Requirements

MAT 143 Brief Calculus 3
or MAT 161 Calculus I 3

If either of these MAT courses is completed with a grade of C or better to fulfill general requirements, then a free elective may be substituted.

Major Concentration Courses

MKT 330 Consumer Behavior 1 3
MKT 360 Marketing Research 1 3
MKT 425 Marketing Strategy and Planning 1 3

five (5) additional 300-level or 400-level MKT courses, of which only one course can be MKT 460 1

Free Electives 9

Total Minimum Credits Required 6 120

1 A minimum grade of C must be attained in each of these and all MKT courses.
2 Course substitutions for MAT 113 are MAT 115 or MAT 131.
3 Course substitutions for MAT 143 are MAT 161 or MAT 162.
4 A minimum of 15 credits in 300-400 level MKT courses and a minimum of 30 credits in business courses must be completed at West Chester University.

Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Year One</td>
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<tr>
<td>Semester One</td>
<td></td>
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<tr>
<td>ECO 111</td>
<td>Principles of Economics (Macro) 1</td>
<td>3</td>
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<tr>
<td>WRT 120</td>
<td>Effective Writing I</td>
<td>3</td>
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<tr>
<td>SCI Gen Ed Course</td>
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<td>3</td>
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<tr>
<td>Select one of the following:</td>
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<td>3</td>
</tr>
<tr>
<td>MAT 113</td>
<td>Algebra and Functions</td>
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<tr>
<td>MAT 115</td>
<td>Algebra, Functions, and Trigonometry</td>
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<tr>
<td>MAT 131</td>
<td>Precalculus</td>
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<tr>
<td>Select one of the following:</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>PHI 101</td>
<td>Introduction to Philosophy</td>
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<tr>
<td>PHI 150</td>
<td>Critical Thinking and Problem Solving</td>
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<tr>
<td>PHI 180</td>
<td>Introduction to Ethics</td>
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<tr>
<td>Arts requirement</td>
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<tr>
<td>Diverse Communities requirement</td>
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<td>Interdisciplinary requirement</td>
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<tr>
<td>Student Electives</td>
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<td>9</td>
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<tr>
<td>Writing Emphasis requirements</td>
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<tr>
<td>Credits</td>
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<td>15</td>
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<tr>
<td>Semester Two</td>
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<tr>
<td>ECO 112</td>
<td>Principles of Economics (Micro) 1</td>
<td>3</td>
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<tr>
<td>HUM Gen Ed Course: HIS OR LIT</td>
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<td>3</td>
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<tr>
<td>WRT 200 Level</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MAT 143</td>
<td>Brief Calculus 1</td>
<td>3</td>
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<td>or</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MAT 161</td>
<td>Calculus I</td>
<td></td>
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<tr>
<td>SOC SCI Gen Ed Course</td>
<td></td>
<td>3</td>
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<tr>
<td>Credits</td>
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<td>15</td>
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<tr>
<td>Year Two</td>
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<tr>
<td>Semester Three</td>
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<tr>
<td>ACC 201</td>
<td>Financial Accounting 1</td>
<td>3</td>
</tr>
<tr>
<td>SPK 208</td>
<td>Public Speaking</td>
<td>3</td>
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<td>or</td>
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<td>3</td>
</tr>
<tr>
<td>SPK 230</td>
<td>Business and Professional Speech Communication</td>
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<tr>
<td>MKT 250</td>
<td>Principles of Marketing 1</td>
<td>3</td>
</tr>
<tr>
<td>ECO 251</td>
<td>Business Analytics I 1</td>
<td>3</td>
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<tr>
<td>MGT 200</td>
<td>Principles of Management 1</td>
<td>3</td>
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<tr>
<td>Credits</td>
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<td>15</td>
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<tr>
<td>Semester Four</td>
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<tr>
<td>ACC 202</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BLA 201</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>ECO 351</td>
<td>Business Analytics II</td>
<td>3</td>
</tr>
<tr>
<td>SCI Gen Ed Course</td>
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<td>3</td>
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</tbody>
</table>
Flexibility in selecting their ultimate course of study. Share many upper-division courses, which gives students a great deal of choice. Three programs require the same five core mathematics courses, and they can choose from the following concentrations:

- Bachelor of Arts in Mathematics
- Bachelor of Science in Education
- Bachelor of Science in Mathematics

The undergraduate handbook for mathematics majors should be consulted for current degree program requirements.

**Programs**

**Majors in Mathematics**

- B.A. in Mathematics (p. 378)
  - B.A. in Mathematics to M.A. in Mathematics Accelerated Program (p. 378)
- B.S.Ed. in Mathematics (p. 387)
- B.S. in Mathematics - Actuarial Science Concentration (p. 379)
- B.S. in Mathematics - Applied and Computational Mathematics Concentration (p. 380)
  - B.S. in Mathematics - Applied and Computational Mathematics Concentration to M.S. in Applied and Computational Mathematics Accelerated Program (p. 380)
- B.S. in Mathematics - Computer Science Concentration (p. 382) (no longer admitting new students)
  - B.S. in Mathematics - Computer Science Concentration to M.S. in Applied and Computational Mathematics Accelerated Program (p. 382) (no longer admitting new students)
- B.S. in Mathematics - Mathematical Finance Concentration (p. 384)
- B.S. in Mathematics - Statistics Concentration (p. 386)
  - B.S. in Mathematics - Statistics Concentration to M.S. in Applied Statistics Accelerated Program (p. 386)
- B.S. in Mathematics - Mathematics Concentration (p. 385)
- B.S. in Mathematics - Mathematics Concentration to M.A. in Mathematics Accelerated Program (p. 385)

**Minors in Mathematics**

- Mathematics (p. 389)
- PK-8 Grades Mathematics (p. 389)
- Applied Statistics (p. 389)
- Computational Science (IMCS) (p. 389)

**Graduate Opportunities**

See the graduate catalog for more information on the Mathematics programs. (http://catalog.wcupa.edu/graduate/sciences-mathematics/mathematics)

**Policies**

- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

**Advanced Placement Policy**

Course credit for success on AP exams in mathematics is awarded as follows:
AP Test | Score on AP Test 3 | 4 | 5
--- | --- | --- | ---
Calculus AB | MAT 143 | MAT 161 | MAT 161
Calculus BC | MAT 161 | MAT 162 | MAT 162
Statistics | MAT 121 | MAT 121 | MAT 121

**Accelerated Program Policy**

Refer to the Accelerated Programs page (p. 129) for more information.

**Admission to the Accelerated B.S. in Mathematics - Statistics Concentration and M.S. in Applied Statistics Program**

Students may conditionally enroll in the Accelerated Program at any point during their undergraduate career. If they are current West Chester students, or transfer students, they must have a minimum cumulative GPA of 3.0 in all MAT and STA courses for admission. While enrolled within the Accelerated Program, students must maintain this minimum cumulative GPA of 3.0 in their MAT and STA courses throughout their undergraduate career.

**Faculty**

**Professors**

Gail M. Gallitano (ggallitano@wcupa.edu) (1992)
Graduate Coordinator, Mathematics
B.S., Monmouth College; M.S., Farleigh Dickinson University; M.A., M.Ed., Ed.D., Columbia University

Robert J. Gallop (rgallop@wcupa.edu) (2000)
B.S., Pennsylvania State University; M.S., Ph.D., Drexel University

Peter L. Gliidden (pgliidden@wcupa.edu) (1995)
Chairperson, Mathematics
B.A., College of Wooster; M.A., Ph.D., Columbia University

Lisa E. Marano (lmarano@wcupa.edu) (2002)
Mathematics
B.A., Rider University; M.S., Ph.D., Lehigh University

James McLaughlin (jmlaughlin2@wcupa.edu) (2005)
B.S., University of Ulster; M.S., Queen’s University Belfast; Ph.D., University of Illinois

Viorel Nitica (vnitica@wcupa.edu) (2001)
B.S., M.S., University of Bucharest; Ph.D., Pennsylvania State University

Scott Parsell (sparsell@wcupa.edu) (2009)
B.S., Massachusetts Institute of Technology; M.S., Ph.D., University of Michigan

Randall H. Rieger (rieger@wcupa.edu) (2000)
B.A., Bowdoin College; M.S., Ph.D., University of North Carolina

Lin Tan (ltan@wcupa.edu) (1989)
B.S., M.A., Zhejian University; M.S., Ph.D., University of California, Los Angeles

**Associate Professors**

Andreas Aristotelous (aaristotel@wcupa.edu) (2016)
B.S., University of Cyprus; M.S., Florida Institute of Technology; Ph.D., University of Tennessee, Knoxville

Brian Bowen (bbowen@wcupa.edu) (2010)
B.S.Ed., West Chester University; M.Ed., Ph.D., University of Delaware

Andrew Crossett (acrossett@wcupa.edu) (2012)
B.A., Canisius College; M.A., Ph.D., Carnegie Mellon University

Michael J. Fisher (mfisher@wcupa.edu) (2008)
B.S., Millersville University; M.S., Ph.D., Lehigh University

**Assistant Professors**

Jeremy Brazas (brazas@wcupa.edu) (2017)
B.S., M.S.Ed., Harding University; Ph.D., University of New Hampshire

Kim Johnson (kjohnson2@wcupa.edu) (2013)
B.S., M.S.Ed., Millersville University; Ph.D., Pennsylvania State University

Premalatha Junius (pjjunius@wcupa.edu) (2014)
B.S., M.S., University of Madras; M.A., Ph.D., University of Northern Colorado

Chuan Li (cli@wcupa.edu) (2016)
B.S., University of Science and Technology of China; M.S., Ohio University; Ph.D., University of Tennessee Knoxville

Kathleen M. McAneny (kmcaneny@wcupa.edu) (2014)
B.A., M.A., West Chester University of Pennsylvania; Ph.D., University of Delaware

Emily K. Miller (emiller@wcupa.edu) (2016)
B.A., The College of New Jersey; M.S., Ph.D., University of Delaware

Laura Pyott (lpyott@wcupa.edu) (2017)
B.S., University of Richmond; M.S., University of Delaware

Rosemary Sullivan (rsullivans@wcupa.edu) (2008)
B.S., Pennsylvania State University; M.S., Ph.D., Lehigh University

Peter Zimmer (pzimmer@wcupa.edu) (2000)
B.S., M.S., University of Wisconsin; Ph.D., University of Kansas

**Courses**

**MAT**

**MAT Q20. Fundamental Skills in Arithmetic. 3 Credits.**

This course is designed to strengthen basic arithmetic skills and to introduce the elements of algebra. Mathematics placement required. Credits earned in Q00-level courses do not count toward the 120 hours of credit needed for graduation.

Pre / Co requisites: MAT Q20 requires a prerequisite of an appropriate score on the Mathematics Placement Examination.

Typically offered in Fall, Spring & Summer.

**MAT Q30. Fundamentals of Algebra. 3 Credits.**

This course is designed to strengthen basic algebraic skills. Credits earned in Q00-level courses do not count toward the 120 hours of credit needed for graduation.

Pre / Co requisites: MAT Q30 requires a grade of C- or better in MAT Q20 or an appropriate score on the Mathematics Placement Examination.

Typically offered in Fall, Spring & Summer.
MAT 101. Mathematics for Teachers of Children I. 3 Credits.
Sets; functions; logic; development of whole numbers, integers, and rationals (including ratios, proportions, and percents); number theory; problem solving. For students seeking Certification in Grades PK-4 or 4-8 only.
Pre / Co requisites: MAT 101 requires a grade of C- or better in MAT Q30 or an appropriate score on the Mathematics Placement Examination.
Typically offered in Fall, Spring & Summer.

MAT 102. Mathematics for Teachers of Children II. 3 Credits.
Development of real numbers; geometry; measurement; probability and statistics; problem solving. For students seeking Certification in Grades PK-4 or 4-8 only.
Pre / Co requisites: MAT 102 requires prerequisite of MAT 101.
Typically offered in Fall, Spring & Summer.

MAT 103. Introduction to Mathematics. 3 Credits.
This course is a liberal arts introduction to the nature of mathematics. Topics are chosen from among logic, graph theory, number theory, symmetry (group theory), probability, statistics, infinite sets, geometry, game theory, and linear programming. These topics are independent of each other and have as prerequisite the ability to read, reason, and follow a logical argument.
Pre / Co requisites: MAT 103 requires prerequisites of a grade of C- or better in MAT Q30 or an appropriate score on the Mathematics Placement Examination.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

MAT 104. Introduction to Applied Mathematics. 3 Credits.
The course is designed to help prepare students to understand almost any quantitative issues they will encounter in contemporary society. Topics are selected from the following: principles of reasoning, problem-solving tools, financial management, exponential growth and decay, probability, putting statistics to work, mathematics and the arts, discrete mathematics in business and society and the power of numbers.
Pre / Co requisites: MAT 104 requires prerequisites of a grade of C- or better in MAT Q30 or an appropriate score on the Mathematics Placement Examination.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

MAT 113. Algebra and Functions. 3 Credits.
A review of basic algebra, followed by a thorough treatment of polynomial, rational, exponential, and logarithmic functions. Successful completion of this course prepares students for MAT 143.
Pre / Co requisites: MAT 113 requires a prerequisite of a grade of C- or better in MAT Q30 or an appropriate score on the Mathematics Placement Examination.
Typically offered in Fall, Spring & Summer.

MAT 115. Algebra, Functions, and Trigonometry. 3 Credits.
Topics include polynomial, rational, exponential, logarithmic, and trigonometric functions. An emphasis is placed on using technology to understand topics of importance in the life and earth sciences. Successful completion of this course prepares students for MAT 143 or MAT 145.
Pre / Co requisites: MAT 115 requires a grade of C- or better in MAT Q30 or an appropriate score on the Mathematics Placement Examination.
Typically offered in Fall & Spring.

MAT 121. Introduction to Statistics I. 3 Credits.
Introduction to statistics and statistical inference. Concepts include: descriptive statistics, sampling distributions, confidence intervals, hypothesis testing, along with a formal introduction to linear regression and categorical data analysis. Statistical software including, but not limited to SPSS and Excel, will be used to facilitate the understanding of important statistical ideas and for the implementation of data analysis in many areas of application.
Pre / Co requisites: MAT 121 requires a prerequisite of a grade of C- or better in MAT Q30 or an appropriate score on the Mathematics Placement Examination.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

MAT 125. Introduction to Statistics and Probability. 3 Credits.
Introduction to probability, statistics, and statistical inference. Concepts include: descriptive statistics, probability, probability distributions, sampling distributions, confidence intervals, hypothesis testing, along with a formal introduction to linear regression and categorical data analysis. Statistical software, including but not limited to SPSS and Excel, will be used to facilitate the understanding of important statistical ideas and for the implementation of data analysis in many areas of application.
Pre / Co requisites: MAT 125 requires an appropriate score on the Mathematics Placement Exam.
Typically offered in Fall & Spring.

MAT 131. Precalculus. 3 Credits.
Topics include polynomial, rational, exponential, logarithmic, and trigonometric functions. An emphasis is placed on understanding function properties and graphs without the use of technology. Successful completion of this course prepares students for MAT 161.
Pre / Co requisites: MAT 131 requires a prerequisite of a grade of C- or better in MAT Q30 or an appropriate score on the Mathematics Placement Examination.
Typically offered in Fall, Spring & Summer.

MAT 132. Calculus II. 4 Credits.
Continuation of MAT 161 including the study of series, methods of integration, transcendental functions, and applications to the sciences.
Pre / Co requisites: MAT 162 requires prerequisite of C or better in MAT 161.
Typically offered in Fall, Spring & Summer.

MAT 133. Elementary Functions Essential Calculus I. 3 Credits.
Elementary functions from an advanced viewpoint with detailed discussion of formal manipulations. Special emphasis on applications and the use of technology. Open only to prospective Grade 4-8 certification students.
Pre / Co requisites: MAT 201 requires prerequisite MAT 102.

MAT 200. The Nature of Mathematics. 3 Credits.
Topics include the role of mathematics in contemporary society, career opportunities, mathematical notation and argument, structure of proofs, basic facts about logic, mathematical proofs, problem-solving techniques, and introductions to mathematical software packages.
Pre / Co requisites: MAT 200 requires a prerequisite of C or better in MAT 161. Course should be taken by the end of sophomore year.
Typically offered in Fall, Spring & Summer.

MAT 201. Elementary Functions Essential Calculus II. 3 Credits.
Elementary functions from an advanced viewpoint with detailed discussion of formal manipulations. Special emphasis on applications and the use of technology. Open only to prospective Grade 4-8 certification students.
Pre / Co requisites: MAT 202 requires prerequisite MAT 201.

MAT 203. Elementary Functions and Essential Calculus II. 3 Credits.
Continued discussion of elementary functions. Introduction to the intuitive ideas of derivative and integral with applications.
Pre / Co requisites: MAT 203 requires prerequisite of MAT 202.
MAT 261. Calculus III. 4 Credits.
The calculus of several variables. Topics include polar coordinates, vectors and three-dimensional analytic geometry, differentiation of functions of several variables, multiple integrals, and line and surface integrals.
Pre / Co requisites: MAT 261 requires a prerequisite of MAT 162 with a C or better. Typically offered in Fall, Spring & Summer.

MAT 301. The Scientific Revolution. 3 Credits.
This course addresses how modern science began in the 17th century by examining its origins and including introductions to the heroes of science - Copernicus, Kepler, Galileo, and Newton. Gen Ed Attribute: Interdisciplinary Requirement, Writing Emphasis. Typically offered in Fall & Spring.

MAT 302. Mathematics and Social Justice. 3 Credits.
In this course we will explore several social issues and we will discuss methods which can quantitatively illustrate that are taking place. By doing so, the hope is that each student will learn mathematical skills and techniques. This tool kit of basic mathematical skills is often referred to as Quantitative Literacy (QL). Moreover as attainment of QL is itself a social justice issue, we will explore ways to carry these skills to historically marginalized groups through service learning projects.

MAT 309. Topics in Math for Elementary Teachers. 3 Credits.
Introduction to programming in BASIC, computer uses for the classroom teacher; descriptive statistics with applications for teaching; and measurements of length, area, volume, and temperature that focus on the SI metric system with practice in the classroom. Additional topics in applied mathematics will be considered.
Pre / Co requisites: MAT 309 requires prerequisite of MAT 102. Repeatable for Credit.

MAT 311. Linear Algebra. 3 Credits.
An introduction to linear algebra. Topics covered include matrices, systems of linear equations, vector spaces, linear transformation, determinants, eigenvectors, spectral theorem, and triangulation.
Pre / Co requisites: MAT 311 requires Concurrent or Prerequisite of MAT 162. Typically offered in Fall, Spring & Summer.

MAT 312. Algebra for Teachers in Grades 4-8. 3 Credits.
Formal structure of groups, rings, and fields with examples from the elementary curriculum. Topics from linear algebra including matrices, determinants, and linear programming.
Pre / Co requisites: MAT 312 requires prerequisite of MAT 102. Typically offered in Fall & Spring.

MAT 313. Geometry for Teachers in Grades 4-8. 3 Credits.
Modern informal approach to two- and three-dimensional geometric figures, measurement, similarity, congruence, coordinate geometry, and the postulational method.
Pre / Co requisites: MAT 313 requires prerequisite of MAT 102. Typically offered in Fall & Spring.

MAT 321. Combinatorics and Graph Theory. 3 Credits.
Introduction to set theory, graph theory, and combinatorial analysis. Includes relations, cardinality, elementary combinatorics, principles of inclusion and exclusion, recurrence relations, zero-one matrices, partitions, and Polya’s Theorem.
Pre / Co requisites: MAT 321 requires prerequisites of C or better in MAT 162 and MAT 200. Typically offered in Fall & Spring.

MAT 325. Numerical Analysis I. 3 Credits.
A basic introduction to numerical analysis and scientific computing. Topics which will be studied include: Computer arithmetic, approximation and interpolation of functions, numerical quadratures, solutions of linear systems by direct methods, numerical solutions of nonlinear scalar equations, numerical differentiation, introduction to one step methods for the numerical solution of ordinary differential equations.
Pre / Co requisites: MAT 325 requires a prerequisite of MAT 162 with a "C" or better. Typically offered in Fall.

MAT 330. Using Technology Teaching Elementary School Mathematics. 3 Credits.
Using computer software, calculators, and the Internet as aids in teaching elementary school mathematics.
Pre / Co requisites: MAT 330 requires prerequisites of MAT 101 and MAT 102. Typically offered in Fall & Spring.

MAT 331. Foundations of Geometry. 3 Credits.
Geometric foundations from an advanced viewpoint. Topics are chosen from euclidean and noneuclidean geometrics.
Pre / Co requisites: MAT 331 requires prerequisite of C or better in MAT 162. Typically offered in Spring.

MAT 332. Differential Geometry. 3 Credits.
Classical differential geometry from a modern viewpoint. Curves and surfaces and shape operators. Introduction to Riemann geometry.
Pre / Co requisites: MAT 332 requires prerequisites of C or better in MAT 200, MAT 261 and MAT 331.

MAT 343. Differential Equations. 3 Credits.
The general theory of nth order, and linear differential equations including existence and uniqueness criteria and linearity of the solution space. General solution techniques for variable coefficient equations, series solutions for variable coefficient equations, and study of systems of linear equations.
Pre / Co requisites: MAT 343 requires a prerequisite of C or better in MAT 162 and MAT 311. Typically offered in Fall & Spring.

MAT 350. Techniques of Teaching Middle School Mathematics. 3 Credits.
This course focuses on effective, research-based techniques for teaching children mathematical concepts in middle school. Topics include building pedagogical content knowledge for lesson planning, questioning, formative assessment, and effective integration of technology. Additionally, building mathematical knowledge for teaching of specific topics is addressed in the areas of number sense, ratio, algebra, geometry, probability, and statistics.
Pre / Co requisites: MAT 350 requires prerequisites of MAT 261, EDA 304, Field Clearances, and Formal Admission to Teacher Education. MAT 350 requires a co-requisite of MAT 360. Gen Ed Attribute: Writing Emphasis. Typically offered in Fall.

MAT 351. Methods for Teaching Children Math. 3 Credits.
Concepts, learning aids, syllabi, tests, and methods in elementary school mathematics.
Pre / Co requisites: MAT 351 requires prerequisites of MAT 101 and MAT 102. Typically offered in Fall & Spring.

MAT 352. Methods for Teaching Children Mathematics II. 3 Credits.
Techniques for teaching children concepts such as geometry in two and three dimensions, number sentences, graphing, ratios and percentages, quantifiers, etc. Use of laboratory materials will be emphasized.
Pre / Co requisites: MAT 352 requires prerequisites of MAT 351, Field clearances and Formal Admission to Teacher Education. Typically offered in Spring & Summer.

MAT 353. Methods for Teaching Middle School Mathematics. 3 Credits.
Techniques for teaching children mathematical concepts in the middle school standards. Topics covered include number, algebra, geometry, and probability and statistics.
Pre / Co requisites: MAT 353 requires prerequisites of MAT 121, MAT 312, MAT 313, MAT 351, field clearances, and FATE. Typically offered in Fall, Spring & Summer.

MAT 354. Techniques of Teaching Secondary School Mathematics. 3 Credits.
This course focuses on effective, research-based techniques for teaching children mathematical concepts in secondary school. Topics include building pedagogical content knowledge for writing learning progressions, orchestrating discussion, formative assessment, developing high quality tasks, and effective integration of technology. Additionally, building mathematical knowledge or teaching for specific topics is addressed in the areas of geometry, algebra, discrete math, probability, statistics, trigonometry, and calculus.

MAT 357. Teaching Mathematics to Diverse Learners. 3 Credits.
Methods and materials associated with the presentation of mathematics to the handicapped. Emphasis on individualization and involving thinking skills at the concrete level. Evaluative and interpretive techniques are included.
Pre / Co requisites: MAT 357 requires prerequisites of MAT 101 and MAT 102 and formal admission into teacher education.
MAT 360. Field Experiences in Middle School Mathematics. 1 Credit.
The objective of this course is to apply the skills, techniques, and dispositions required to be an effective middle and secondary mathematics teacher. This course will allow you to work in a classroom setting to examine how the curriculum is delivered in a middle and high school setting. You will work with students on an individual or group basis, work cooperatively with teachers, and participate in the lesson and assessment planning process. By the end of the course, you should teach at least one lesson in a classroom setting. Pre / Co requisites: MAT 360 requires a prerequisite of Formal Admission to Teacher Education. MAT 360 requires a co-requisite of MAT 350. Typically offered in Fall.

MAT 362. Calculus IV. 3 Credits.
The calculus of vector-valued functions of a vector variable. Derivatives and properties of the derivative including the chain rule, fields and conservative fields, integration, and Green’s, Stokes’, and Gauss’ theorems. Pre / Co requisites: MAT 362 requires prerequisite of C or better in MAT 261 and C or better in MAT 311.

MAT 364. Field Experiences in Secondary School Mathematics. 1 Credit.
The objective of this course is to apply the skills, techniques, and dispositions required to be an effective secondary mathematics teacher. This course will allow you to work in a classroom setting to examine how the curriculum is delivered in a middle and high school setting. You will work with students on an individual or group basis, work cooperatively with teachers, and participate in the lesson and assessment planning process. By the end of the course, you should teach at least one lesson in a classroom setting. Pre / Co requisites: MAT 364 requires prerequisites of MAT 360 and Formal Admission to Teacher Education. MAT 364 requires a co-requisite of MAT 354. Typically offered in Spring.

MAT 371. Mathematics of Finance. 3 Credits.
The purpose of this course is to introduce the mathematical theory behind the concepts of: measurement of interest, annuities, yield rates, amortization of loans, sinking funds, and yield rates. Understanding the fundamental concepts of financial mathematics, and how these concepts can be applied to calculate present and future values of various financial instruments, is the prevailing theme of the course. Pre / Co requisites: MAT 371 requires prerequisite of MAT 162 with a “C” or better. Typically offered in Fall & Spring.

MAT 381. Discrete Mathematics. 4 Credits.
This course is designed to provide a foundation for the mathematics used in the theory and application of computer science. Topics include mathematical reasoning, the notion of proof, logic, sets, relations and functions, counting techniques, algorithmic analysis, modelling, cardinality, recursions and induction, graphs, and algebra. Pre / Co requisites: MAT 381 requires prerequisite of C or better in MAT 162.

MAT 390. Seminar in Mathematics Education. 3 Credits.
This course is the capstone course for grades 4-8 certification students completing the 30-credit mathematics certification option. Topics selected from mathematics, statistics, the history of mathematics, and mathematics education for their significance and interest. Field experience may be required. Pre / Co requisites: MAT 390 requires prerequisite of Formal Admission to Teacher Education. Typically offered in Fall & Spring. Repeatable for Credit.

MAT 400. History of Mathematics for Elementary Teachers. 3 Credits.
History and development of elementary mathematics from primitive times to the discovery of calculus. Problems of the period are considered. Pre / Co requisites: MAT 400 requires prerequisites of MAT 312 and MAT 313.

MAT 401. History of Mathematics. 3 Credits.
Development of mathematics from the Babylonian era to the 18th Century. Some modern topics included. Pre / Co requisites: MAT 401 requires prerequisite of C or better in MAT 261. Gen Ed Attribute: Writing Emphasis. Typically offered in Fall & Spring.

MAT 405. Special Topics in Mathematics. 3 Credits.
Topics announced at the time of offering. Consent: Permission of the Department required to add. Repeatable for Credit.

MAT 411. Algebra I. 3 Credits.
Abstract algebra. Algebraic systems, groups, rings, integral domains, and fields. Pre / Co requisites: MAT 411 requires prerequisites of C or better MAT 200, MAT 261, and MAT 311. Typically offered in Fall.

MAT 412. Algebra II. 3 Credits.
Abstract algebra. Algebraic systems, groups, rings, integral domains, and fields. Pre / Co requisites: MAT 412 requires prerequisite of C or better in MAT 411. Typically offered in Spring.

MAT 413. Computer Algebra. 3 Credits.
The focus of this course is to introduce students to computer algebra packages and review important topics in algebra, calculus and linear algebra. Pre / Co requisites: MAT 413 requires prerequisites of MAT 162 and MAT 311 with a “C” or better. Typically offered in Fall.

MAT 414. Theory of Numbers. 3 Credits.
Properties of integers; primes, factorization, congruences, and quadratic reciprocity. Pre / Co requisites: MAT 414 requires prerequisites of C or better in MAT 200 and MAT 261. Typically offered in Spring.

MAT 415. Introduction to Cryptography. 3 Credits.
An introduction to the mathematics behind various aspects of modern cryptography, including matrix cryptosystems, quadratic ciphers such as the Rabin cipher, exponential ciphers such as the Diffie-Hellman Key Exchange, the RSA algorithm and DES encryption. Pre / Co requisites: MAT 415 requires prerequisites of MAT 161 and MAT 151 OR MAT 161 and MAT 200. Typically offered in Spring.

MAT 421. Mathematical Statistics I. 3 Credits.
Probability; discrete distributions; continuous distributions; mathematical expectation; moment generating functions; bivariate distributions; distributions of functions of random variables. Use of appropriate technology. Pre / Co requisites: MAT 421 requires a prerequisite of C or better in MAT 261 or a co-requisite of MAT 261. Typically offered in Fall & Spring.

MAT 422. Mathematical Statistics II. 3 Credits.
Order statistics; point estimation; interval estimation; tests of statistical hypotheses; statistics power; least squares regression. Use of appropriate technology. Pre / Co requisites: MAT 422 requires prerequisite of C or better in MAT 421 and either MAT 121 or MAT 125. Typically offered in Spring.

MAT 423. Applied Probability. 3 Credits.
Standard concepts and methods of stochastic modeling and applications of stochastic processes. Pre / Co requisites: MAT 423 requires prerequisites of MAT 261, MAT 311, and MAT 421 with a “C” or better. Typically offered in Fall.

MAT 424. Introduction to Optimization Techniques. 3 Credits.
Nature of optimization problems: deterministic and stochastic, and discrete and continuous. Computer methods of solution, systematic and random search, linear quadratic, dynamic programming, and others. Pre / Co requisites: MAT 427 requires prerequisites of C or better in MAT 261 and C or better in MAT 311. Typically offered in Fall.

MAT 425. Numerical Analysis II. 3 Credits.
An examination of advanced topics in numerical analysis and scientific computing. Topics include: Approximation and interpolation of functions, numerical quadratures, matrix norms, iterative methods of numerical linear algebra, numerical solution of nonlinear systems of equations, and methods for the numerical solution of ordinary differential equations. Pre / Co requisites: MAT 425 requires a prerequisite of C or better in MAT 325. Typically offered in Fall.

MAT 427. Introduction to Scientific Computing. 3 Credits.
Nature of optimization problems: deterministic and stochastic, and discrete and continuous. Computer methods of solution, systematic and random search, linear quadratic, dynamic programming, and others. Pre / Co requisites: MAT 427 requires prerequisites of C or better in MAT 261 and C or better in MAT 311. Typically offered in Fall.

MAT 432. Topology. 3 Credits.

DEPARTMENT OF MATHEMATICS  
WEST CHESTER UNIVERSITY
MAT 441. Real Analysis I. 3 Credits.
Introduces the real line, limits of sequences, Cauchy sequences, limits of real functions, continuous functions, intermediate value theorem, the derivative, mean value theorems and Riemann integral.
Pre / Co requisites: MAT 441 requires prerequisites of C or better in MAT 200 and MAT 261. Typically offered in Fall & Spring.

MAT 442. Real Analysis II. 3 Credits.
A continuation of MAT 441. Introduces infinite series, sequences and series of functions, Taylor’s Theorem with applications and topics from integration theory.
Pre / Co requisites: MAT 442 requires prerequisite of C or better in MAT 441. Typically offered in Fall.

MAT 443. Applied Analysis I. 3 Credits.
The techniques of analysis applied to problems in the physical sciences. Topics include partial differential equations, orthogonal functions, complex integration, and conformal mapping.
Pre / Co requisites: MAT 443 requires prerequisite of C or better MAT 261, MAT 311 and MAT 343. Typically offered in Spring.

MAT 444. Applied Analysis II. 3 Credits.
The techniques of analysis applied to problems in the physical sciences. Topics include partial differential equations, orthogonal functions, complex integration, and conformal mapping.
Pre / Co requisites: MAT 444 requires prerequisite of C or better in MAT 443.

MAT 445. Complex Variables. 3 Credits.
Introduction to functions of a complex variable. Analytic functions, mappings, differentiation and integration, power series, and conformal mappings.
Pre / Co requisites: MAT 445 requires prerequisite of C or better in MAT 261. Typically offered in Fall.

MAT 449. Independent Study in Mathematics. 1-3 Credits.
Independent investigation of an area of mathematics not covered in the department’s course offerings. Consent: Permission of the Department required to add. Repeatable for Credit.

MTE
MTE 340. Using Technology Teaching Elementary Mathematics. 3 Credits.
Using computer software, calculators, and the Internet as aids in teaching elementary school mathematics.
Pre / Co requisites: MTE 340 requires prerequisites of MAT 101 and MAT 102.

STA
STA 200. Introduction to Statistics II. 3 Credits.
Continuation of MAT 121/MAT 125. Inference about the means, standard deviations and proportions, goodness of fit, analysis of variance, regression analysis, correlation, and nonparametric tests.
Pre / Co requisites: STA 200 requires a prerequisite of a grade of C- or better in MAT 121, MAT 125 or ECO 251. Typically offered in Fall & Spring.

STA 201. Statistical Methods for Political Polling. 3 Credits.
The purpose of this course is to introduce students to the statistical methodology used in the analysis of data from a political survey. Topics will include sampling techniques, hypothesis testing, sample size calculation, categorical data analysis, simple linear regression, and ANOVA. There will be a field trip to the Center for Opinion Research at Franklin and Marshall College at the beginning of the semester.
Pre / Co requisites: STA 201 requires prerequisites of MAT 121 and PSC 200. Typically offered in Fall.

STA 202. Sports Analytics. 3 Credits.
In this course we will apply concepts such as regression, classification, clustering, decision trees and others to evaluate players and teams from baseball, basketball, football, hockey and soccer. We will also introduce the statistical programming language R in order to analyze recent (and large!) data sets.
Pre / Co requisites: STA 202 requires a prerequisite of a C- or higher in MAT 121 and MAT 125, or ECO 251. Typically offered in Fall.

STA 311. Intro Statistical Computing and Data Management. 3 Credits.
Course will give students the ability to manage and manipulate data effectively, conduct basic statistical analysis, and generate reports and graphics primarily using the SAS Statistical Software Program.
Pre / Co requisites: STA 311 requires a prerequisite of MAT 121 or MAT 125. Typically offered in Fall & Spring.

STA 319. Applied Statistics. 3 Credits.
This course will cover simple and multiple linear regression methods and linear time series analysis with an emphasis on fitting suitable models to data and testing and evaluating models against data.
Pre / Co requisites: STA 319 requires a prerequisite of C or better in (MAT 121 or MAT 125) and (MAT 143 or MAT 145 or MAT 161). Typically offered in Fall & Spring.

STA 320. Experimental Design. 3 Credits.
The purpose of this course is to guide students in learning how to design, conduct and analyze the results of scientific studies so that valid and objective inferences about the population are obtained. It will cover ANOVAs, block, factorial, and split plot designs, as well as response surface analysis.
Pre / Co requisites: STA 320 requires a prerequisite of C or better in MAT 121 or MAT 125. Typically offered in Fall.

STA 321. Topics in Advanced Statistics. 3 Credits.
Course will cover select topics in categorical analysis, nonparametrics and time series analysis. Emphasis will be placed on statistical programming, particularly simulations.
Pre / Co requisites: STA 321 requires prerequisites of C or better in STA 311, STA 319, STA 320, and MAT 421. Typically offered in Spring.
STA 419. Basics of Statistical Learning. 3 Credits.
This course will provide an introduction to statistical learning and predictive modeling. Tools will be developed for visualizing and understanding complex data sets. All data analysis will be done using the statistical programming language R.
Pre/Co requisites: STA 319 requires a prerequisite of a C or better in STA 319. Typically offered in Fall.

STA 490. Capstone Course in Statistics. 3 Credits.
Course will synthesize lessons learned throughout the students career with the goal of preparing students for work as professional statisticians. Topics will include report writing, presentations, statistical consulting, sampling design, and resume writing.
Pre/Co requisites: STA 419 requires a prerequisite of a C or better in STA 319 and a C or better in STA 320 and STA 321. Typically offered in Fall.

B.A. IN MATHEMATICS

College of the Sciences and Mathematics

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition requirements</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics requirement</td>
<td>3</td>
</tr>
<tr>
<td>Public Speaking requirement</td>
<td>3</td>
</tr>
<tr>
<td>Science requirements</td>
<td>6</td>
</tr>
<tr>
<td>Behavioral &amp; Social Science requirements</td>
<td>6</td>
</tr>
<tr>
<td>Humanities requirements</td>
<td>6</td>
</tr>
<tr>
<td>Arts requirement</td>
<td>3</td>
</tr>
<tr>
<td>Diverse Communities requirement</td>
<td>3</td>
</tr>
<tr>
<td>Interdisciplinary requirement</td>
<td>3</td>
</tr>
<tr>
<td>Student Electives</td>
<td>9</td>
</tr>
<tr>
<td>Writing Emphasis requirements</td>
<td>9</td>
</tr>
</tbody>
</table>

Language Requirement

Demonstrating language proficiency through the intermediate level (202). 3-12

Major Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 161</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MAT 162</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MAT 200</td>
<td>The Nature of Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MAT 261</td>
<td>Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>MAT 311</td>
<td>Linear Algebra 1</td>
<td>3</td>
</tr>
<tr>
<td>MAT 411</td>
<td>Algebra I</td>
<td>3</td>
</tr>
<tr>
<td>MAT 421</td>
<td>Mathematical Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>MAT 441</td>
<td>Real Analysis I</td>
<td>3</td>
</tr>
</tbody>
</table>

Mathematics Electives
At least 5 upper-division (300 level or higher) mathematics courses, one in each of the areas below. In lieu of a minor, students may select 3 additional upper-division mathematics courses with approval of the advisor and department chair.

| Algebra elective                                                |          |
| Analysis elective                                              |          |
| Applied mathematics elective                                    |          |

Related/Cognate Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 141</td>
<td>Computer Science 1</td>
<td>3</td>
</tr>
<tr>
<td>PHY 170</td>
<td>Physics 1</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Minimum Credits Required 120

1 Satisfies general education requirement.

Accelerated B.A. in Mathematics to M.A. in Mathematics Program

Students may substitute up to 5 graduate courses for B.A. course requirements, subject to the following guidelines:

Algebra Elective
May be replaced by one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 513</td>
<td>Linear Algebra</td>
<td></td>
</tr>
<tr>
<td>MAT 514</td>
<td>Theory Of Numbers</td>
<td></td>
</tr>
<tr>
<td>MAT 515</td>
<td>Algebra I</td>
<td></td>
</tr>
<tr>
<td>MAT 516</td>
<td>Algebra II</td>
<td></td>
</tr>
</tbody>
</table>

Analysis Elective
May be replaced by one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 535</td>
<td>Topology</td>
<td></td>
</tr>
<tr>
<td>MAT 543</td>
<td>Topics in Differential Equations</td>
<td></td>
</tr>
<tr>
<td>MAT 545</td>
<td>Real Analysis I</td>
<td></td>
</tr>
<tr>
<td>MAT 546</td>
<td>Real Analysis II</td>
<td></td>
</tr>
</tbody>
</table>

Applied Mathematics Elective
May be replaced by one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 505</td>
<td>Mathematical Statistics I 1</td>
<td></td>
</tr>
<tr>
<td>STA 548</td>
<td>Industrial Mathematics - Continuous Models</td>
<td></td>
</tr>
<tr>
<td>STA 549</td>
<td>Industrial Mathematics - Discrete Models</td>
<td></td>
</tr>
<tr>
<td>STA 552</td>
<td>Operations Research</td>
<td></td>
</tr>
<tr>
<td>STA 553</td>
<td>Stochastic Modeling</td>
<td></td>
</tr>
<tr>
<td>STA 554</td>
<td>Scientific Computing</td>
<td></td>
</tr>
<tr>
<td>STA 555</td>
<td>Industrial Practicum - Continuous Models</td>
<td></td>
</tr>
<tr>
<td>STA 570</td>
<td>Math Models In Life, Phys &amp; Soc Sciences</td>
<td></td>
</tr>
</tbody>
</table>

Mathematics Electives
May be replaced by any course from the three areas above or any of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 521</td>
<td>Discrete Mathematics &amp; Graph Theory</td>
<td></td>
</tr>
<tr>
<td>MAT 532</td>
<td>Geometry I</td>
<td></td>
</tr>
<tr>
<td>MAT 533</td>
<td>Geometry II</td>
<td></td>
</tr>
<tr>
<td>MAT 595</td>
<td>Topics in Mathematics</td>
<td></td>
</tr>
</tbody>
</table>

Student Electives
May be replaced by any course from the four areas above or any other 500-level MAT, MTE, STA, or CSC course.

1 Or higher level STA course

Requirement of a Minor

Students in the B.A. degree program are required to complete either a minor or, with the approval of the student’s advisor and the Department of Mathematics chairperson, an additional nine credit hours of upper-division mathematics. The discipline chosen for the minor will reflect a student’s post-baccalaureate goals. The department recommends completing a minor in the natural sciences (astronomy (http://catalog.wcupa.edu/undergraduate/sciences-mathematics/astronomy-minor), biology (p. 202), chemistry (p. 211), earth sciences (http://catalog.wcupa.edu/undergraduate/sciences-mathematics/earth-science-minor), geology (http://catalog.wcupa.edu/undergraduate/sciences-mathematics/geology-minor), and physics (p. 438), computer science (p. 230), economics (p. 262), or finance (p. 262), but other minors may be selected with the approval of the student’s advisor and the mathematics chairperson.

All mathematics major courses must be passed with a C- or better.

Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.
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**Semester Eight**

| Mathematics Elective | 3 |
| Minor Elective | 3 |
| Gen Ed Behavioral/Social Science Course | 3 |
| Gen Ed Elective | 3 |
| Free Elective | 3 |
| **Credits** | 15 |
| **Total Credits** | 124 |

**B.S. IN MATHEMATICS - ACTUARIAL SCIENCE CONCENTRATION**

College of the Sciences and Mathematics

**Curriculum**

**General Education Requirements**

- English Composition requirements: 6
- Mathematics requirement: 3
- Public Speaking requirement: 3
- Science requirements: 6
- Behavioral & Social Science requirements: 6
- Humanities requirements: 6
- Arts requirement: 3
- Diverse Communities requirement: 3
- Interdisciplinary requirement: 3
- Student Electives: 9
- Writing Emphasis requirements: 9

**Major Requirements**

- MAT 125: Introduction to Statistics and Probability: 3
- MAT 161: Calculus I: 4
- MAT 162: Calculus II: 4
- MAT 200: The Nature of Mathematics: 3
- MAT 261: Calculus III: 4
- MAT 311: Linear Algebra: 3
- STA 319: Applied Statistics: 3
- MAT 343: Differential Equations: 3
- MAT 478: Fundamentals of Actuarial Science: 3
- MAT 371: Mathematics of Finance: 3
- MAT 421: Mathematical Statistics I: 3
- MAT 422: Mathematical Statistics II: 3
- STA 419: Basics of Statistical Learning: 3

**Related/Cognate Requirements**

Select one of the following:

- ENG 368: Business and Organizational Writing: 3
- ENG 375: Strategies for Writing in the Workplace
- ENG 371: Technical Writing
- ACC 201: Financial Accounting: 3
- ECO 111: Principles of Economics (Macro): 3
- ECO 112: Principles of Economics (Micro): 3
- ECO 340: Intermediate Microeconomics: 3
- FIN 325: Corporate Finance: 3
- FIN 330: Principles of Insurance: 3

**Free Electives or Internship**

Chosen under advisement: 15

**Total Minimum Credits Required**

120

1 Indicates course satisfies a general education requirement.
All math major courses must be passed with a C or better.

**Sample Course Plan**

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcup.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

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**Year Four**

| Semester Seven |                                               |         |
| MAT 371       | Mathematics of Finance                         | 3       |
| ENG 368       | Business and Organizational Writing (W)        | 3       |
| Gen Ed Humanities |                                              | 3       |
| Gen Ed Elective |                                          | 3       |
| Elective |                                            | 3       |
| **Credits** |                                               | 15      |

| Semester Eight |                                               |         |
| MAT 478       | Fundamentals of Actuarial Science              | 3       |
| MAT 491       | Internship in Applied Mathematics              | 2-4     |
| STA 311       | Intro Statistical Computing and Data Management| 3       |
| Free Elective |                                            | 3       |
| **Credits** |                                               | 11-13   |

**Total Credits** | 119-121

**NOTES:**

1. MAT 311, a three semester hour course, is used to fulfill three semester hours of the General Education Mathematics requirement.
2. ECO 111, a three semester hour course, is used to fulfill three semester hours of the General Education Social and Behavioral Science requirement.
3. Three writing-emphasis courses are required. At least one must be at the three hundred level or above. Transfer students entering with 40-70 semester hours must take two writing emphasis courses and those entering with more than 70 semester hours must take one.

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**B.S. IN MATHEMATICS - APPLIED AND COMPUTATIONAL MATHEMATICS CONCENTRATION**

**College of the Sciences and Mathematics**

**Curriculum**

**General Education Requirements**

- English Composition requirements | 6
- Mathematics requirement | 3
- Public Speaking requirement | 3
- Science requirements | 6
- Behavioral & Social Science requirements | 6
- Humanities requirements | 6
- Arts requirement | 3
- Diverse Communities requirement | 3
- Interdisciplinary requirement | 3
- Student Electives | 9
- Writing Emphasis requirements | 9

**Major Requirements**

- MAT 125 Introduction to Statistics and Probability | 3
- MAT 161 Calculus I | 4
- MAT 162 Calculus II | 4
- MAT 200 The Nature of Mathematics | 3
- MAT 261 Calculus III | 4
- MAT 311 Linear Algebra | 3
- STA 319 Applied Statistics | 3
- MAT 325 Numerical Analysis I | 3
- MAT 343 Differential Equations | 3
- MAT 413 Computer Algebra | 3
MAT 425  Numerical Analysis II  3
MAT 443  Applied Analysis I  3
MAT 445  Complex Variables  3
or MAT 441  Real Analysis I  3
MAT 455  Industrial Mathematics Practicum  3

Related/Cognate Requirements
Select one of the following:  3
- ENG 368  Business and Organizational Writing
- ENG 371  Technical Writing
- ENG 375  Strategies for Writing in the Workplace
- CSC 141  Computer Science I
- PHY 170  Physics I
  or BIO 110  General Biology
  or CHE 103  General Chemistry I
  or ESS 101  Introduction to Geology
Select 12-13 credits of science cognates (PHY, BIO, CHE, CSC, or ESS) under the guidance of an advisor. At least two cognates must be at the 200-level or above.

Free Electives or Internship
Select 13-15 credits of electives chosen under advisement.  13-15
- MAT 491  Internship in Applied Mathematics  2-4

Total Minimum Credits Required  120

1  Indicates course satisfies a general education requirement.
2  MAT 491 is an elective and not a requirement. It may be taken for variable credit and repeated for credit.

Accelerated B.S. Mathematics - Applied and Computational Mathematics to M.S. Applied and Computational Mathematics Program
To be considered for the accelerated program, students must have attained (completed) 75 credits with a minimum of 24 mathematics credits. Students must have a minimum cumulative GPA of 3.00 including a minimum GPA of 3.00 for mathematics courses. Once admitted to the graduate program, graduate policies apply, including minimum GPA (3.00). See the Graduate Catalog for further details.

Students in the accelerated program can take up to 15 credits of graduate coursework to satisfy the B.S. program requirements. The following course list below provides the approved graduate substitutions for undergraduate courses. The remaining graduate courses can be taken in place of free electives in the B.S. program.

Major Requirements
- MAT 445  Complex Variables  3
  or MAT 575  Complex Analysis I
- MAT 441  Real Analysis I  3
  or MAT 545  Real Analysis I

Free Electives or Internship
The remaining 9 credits of graduate courses may be taken in place of free electives.

1  MAT 500 (Fundamentals of Applied Mathematics) and one of the Industrial Mathematics Practicum courses (MAT 555 or 556) are waived for students in the accelerated program.
2  Choose one (but not both) of these substitutions since the B.S. program requires only one analysis class (real or complex).

All math major courses must be passed with a C or better.

Sample Course Plan
To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

B.S. in Mathematics - Applied and Computational Mathematics Concentration

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| Year Two | | |
| Fall | | |
| MAT 261  | Calculus III | 4 |
| MAT 311  | Linear Algebra | 3 |
| WRT 200  | Critical Writing and Research | 3 |
| Cognate 1 | 3 |
| JW Course | |
| | Credits | 16 |
| Spring | | |
| MAT 343  | Differential Equations | 3 |
| MAT 325  | Numerical Analysis I | 3 |
| Cognate 2 | 3 |
| Behavioral/Social Science Gen Ed | 3 |
| Humanities Gen Ed | 3 |
| | Credits | 15 |

| Year Three | | |
| Fall | | |
| MAT 413  | Computer Algebra | 3 |
| MAT 425  | Numerical Analysis II | 3 |
| Cognate 3 | 3 |
| Humanities Gen Ed | 3 |
| Arts Gen Ed | 3 |
| | Credits | 15 |
| Spring | | |
| STA 319  | Applied Statistics | 3 |
| MAT 443  | Applied Analysis I | 3 |
| ENG 368  | Business and Organizational Writing | 3 |
| JW Course | 3 |
| Gen Ed Elective | 3 |
| | Credits | 15 |

| Year Four | | |
| Fall | | |
| MAT 445  | Complex Variables | 3 |
| Cognate 4 | 3 |
| | Credits | 3 |
B.S. IN MATHEMATICS - COMPUTATIONAL MATHEMATICS CONCENTRATION

Gen Ed Elective 3
Free Elective 3
Free Elective 3

Credits 15

Spring
MAT 491 Internship in Applied Mathematics 3
MAT 455 Industrial Mathematics Practicum 3
Free Elective 3
Free Elective 3

Credits 12

Total Credits 120

Accelerated B.S. in Mathematics - Applied and Computational Mathematics to M.S. in Applied and Computational Mathematics

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<td>MAT 548</td>
<td>Industrial Mathematics - Continuous Models</td>
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<tr>
<td>MAT 554</td>
<td>Scientific Computing</td>
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<td>STA 505</td>
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<td>Fall</td>
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<td>MAT 549</td>
<td>Industrial Mathematics - Discrete Models</td>
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<td>MAT 455</td>
<td>Industrial Mathematics Practicum</td>
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<td>MAT 491</td>
<td>Internship in Applied Mathematics</td>
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<td>MAT 575</td>
<td>Complex Analysis I (elective)</td>
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<tr>
<td>MAT 552</td>
<td>Operations Research</td>
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<tr>
<td>STA 511</td>
<td>Intro Stat Computing &amp; Data Management</td>
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<tr>
<td>500-level MAT or STA Elective</td>
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<td>MAT 553</td>
<td>Stochastic Modeling</td>
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<td>MAT 555</td>
<td>Industrial Practicum - Continuous Models</td>
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<td>Total Credits</td>
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</table>

B.S. IN MATHEMATICS - COMPUTATIONAL MATHEMATICS CONCENTRATION

College of the Sciences and Mathematics

Curriculum

(Note: As of Fall 2017, this program and its accelerated counterpart are no longer accepting new students. Interested students should consider the B.S. in Mathematics - Applied and Computational Mathematics Concentration (p. 380) or its accelerated option.)

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

English Composition requirements 6
Mathematics requirement 3
Public Speaking requirement 3
Science requirements 6
Behavioral & Social Science requirements 6
Humanities requirements 6
Arts requirement 3
Diverse Communities requirement 3

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Interdisciplinary requirement 3
Writing Emphasis requirements 9
Major Requirements
MAT 151 Introduction to Discrete Mathematics 3
MAT 161 Calculus I 4
MAT 162 Calculus II 4
MAT 200 The Nature of Mathematics 3
MAT 261 Calculus III 4
MAT 311 Linear Algebra 1 3
MAT 325 Numerical Analysis I 3
MAT 343 Differential Equations 3
MAT 413 Computer Algebra 3
MAT 425 Numerical Analysis II 3
MAT 427 Introduction to Optimization Techniques 3
or MAT 493 Mathematical Modeling
MAT 443 Applied Analysis I 3
STA 319 Applied Statistics 3
Related/Cognate Requirements
Select one of the following: 3
ENG 368 Business and Organizational Writing
ENG 375 Strategies for Writing in the Workplace
ENG 371 Technical Writing
CSC 141 Computer Science I 1 3
CSC 142 Computer Science II 3
CSC 240 Computer Science III 3
CSC 241 Data Structures & Algorithms 3
CSC 242 Computer Organization 3
or MAT 405 Special Topics in Mathematics
Free Electives or Internship
Select 18 semester hours of electives and/or internship (chosen under advisement) 18
Total Minimum Credits Required 120

Accelerated B.S. in Mathematics - Computational Mathematics and M.S. in Applied and Computational Mathematics Program

Major Requirements
MAT 493 Mathematical Modeling 3
or MAT 548 or MAT 549 3
Free Electives or Internship
Graduate courses may be taken in place of four of the Free Electives. 12
1 Indicates course satisfies a general education requirement.

All math major courses must be passed with a C or better.

Sample Course Plan
To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Year One</td>
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<tr>
<td>Semester One</td>
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<tr>
<td>MAT 151</td>
<td>Introduction to Discrete Mathematics</td>
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<td>MAT 161</td>
<td>Calculus I</td>
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<tr>
<td>Semester Two</td>
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<tr>
<td>MAT 162</td>
<td>Calculus II</td>
<td>4</td>
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<tr>
<td>MAT 200</td>
<td>The Nature of Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>CSC 142</td>
<td>Computer Science II</td>
<td>3</td>
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<tr>
<td>WRT 120</td>
<td>Effective Writing I</td>
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<tr>
<td>SPA 230</td>
<td>Business and Professional Speech Communication</td>
<td>3</td>
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</table>

Credits 16

Year Two

Semester Three
MAT 261 Calculus III 4
MAT 311 Linear Algebra 1 3
CSC 240 Computer Science III 3
WRT 200 Critical Writing and Research 3
Gen Ed Elective 3

Credits 16

Semester Four
STA 319 Applied Statistics 3
MAT 343 Differential Equations 3
CSC 241 Data Structures & Algorithms 3
Gen Ed Behavioral/Social Science Course 3
Free Elective 3

Credits 15

Year Three

Semester Five
MAT 325 Numerical Analysis I 3
MAT 413 Computer Algebra 3
IW Course 3
Free Elective 3
Gen Ed Elective 3

Credits 15

Semester Six
MAT 443 Applied Analysis I 3
MAT 405 Special Topics in Mathematics (Cryptography) 3
Gen Ed Behavioral/Social Science Course 3
JW Course 3
Free Elective 3

Credits 15

Year Four

Semester Seven
MAT 425 Numerical Analysis II 3
ENG 368 Business and Organizational Writing (W) 3
Gen Ed Humanities Course 3
Gen Ed Elective 3
Free Elective 3

Credits 15

Semester Eight
MAT 493 Mathematical Modeling 3
MAT 491 Internship in Applied Mathematics 2-4
Gen Ed Science Course 3

Credits 15
Free Electives 6-9
Credits 14-19
Total Credits 122-127

Three writing-emphasis courses are required. At least one must be at the 300 level or above. Transfer students entering with 40-70 semester hours must take two writing emphasis courses and those entering with more than 70 semester hours must take one.

1 MAT 311, a three semester hour course, is used to fulfill three semester hours of the General Education Mathematics requirement.

2 CSC 141, a three semester hour course, is used to fulfill three semester hours of the General Education Science requirement.

B.S. IN MATHEMATICS - MATHEMATICAL FINANCE CONCENTRATION

College of the Sciences and Mathematics

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

- English Composition requirements 6
- Mathematics requirement 3
- Public Speaking requirement 3
- Science requirements 6
- Behavioral & Social Science requirements 6
- Humanities requirements 6
- Arts requirement 3
- Diverse Communities requirement 3
- Interdisciplinary requirement 3
- Student Electives 9
- Writing Emphasis requirements 9

Major Requirements

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>MAT 125</td>
<td>Introduction to Statistics and Probability</td>
<td>3</td>
</tr>
<tr>
<td>MAT 161</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MAT 162</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MAT 200</td>
<td>The Nature of Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MAT 261</td>
<td>Calculus III</td>
<td>4</td>
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<tr>
<td>MAT 311</td>
<td>Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>STA 319</td>
<td>Applied Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MAT 343</td>
<td>Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>MAT 371</td>
<td>Mathematics of Finance</td>
<td>3</td>
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<tr>
<td>MAT 479</td>
<td>Financial Calculus</td>
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<tr>
<td>MAT 421</td>
<td>Mathematical Statistics I</td>
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<tr>
<td>MAT 422</td>
<td>Mathematical Statistics II</td>
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</tr>
<tr>
<td>or MAT 423</td>
<td>Applied Probability</td>
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<tr>
<td>MAT 443</td>
<td>Applied Analysis I</td>
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Related/Cognate Requirements

Select one of the following:

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<thead>
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<th>Course</th>
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<tr>
<td>ENG 368</td>
<td>Business and Organizational Writing</td>
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<tr>
<td>ENG 371</td>
<td>Technical Writing</td>
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<tr>
<td>ENG 375</td>
<td>Strategies for Writing in the Workplace</td>
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<tr>
<td>ACC 201</td>
<td>Financial Accounting</td>
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<tr>
<td>CSC 141</td>
<td>Computer Science</td>
<td>3</td>
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<tr>
<td>ECO 111</td>
<td>Principles of Economics (Macro)</td>
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<tr>
<td>ECO 112</td>
<td>Principles of Economics (Micro)</td>
<td>3</td>
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<td>FIN 325</td>
<td>Corporate Finance</td>
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</table>

FIN 337  Financial Markets and Institutions 3
or FIN 344 Investments

Free Electives or Internship

Select 18 semester hours of electives and/or internship (chosen under advisement)

Total Minimum Required Credits 120

1 Indicates course satisfies a general education requirement.

All math major courses must be passed with a C or better.

Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

Table | Title                                      | Credits |
|------|--------------------------------------------|---------|

Year One

<table>
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<tr>
<th>Semester One</th>
<th>Course</th>
<th>Title</th>
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<td>ACC 201</td>
<td>Financial Accounting</td>
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<tr>
<td>CSC 141</td>
<td>Computer Science I</td>
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<tr>
<td>Gen Ed Behavioral/Social Science</td>
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Year Two

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<th>Course</th>
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<td>4</td>
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<td>MAT 311</td>
<td>Linear Algebra</td>
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<td>ECO 111</td>
<td>Principles of Economics (Macro)</td>
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<td>WRT 200</td>
<td>Critical Writing and Research</td>
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Year Three

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<th>Course</th>
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Year Four

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<td>MAT 343</td>
<td>Differential Equations</td>
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Year Five

<table>
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<td>FIN 325</td>
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Credits 15
B.S. IN MATHEMATICS - MATHEMATICS CONCENTRATION

College of the Sciences and Mathematics

Curriculum

General Education Requirements [http://catalog.wcupa.edu/undergraduate/general-education-requirements]

- English Composition requirement 6
- Mathematics requirement 3
- Public Speaking requirement 3
- Science requirements 6
- Behavioral & Social Science requirements 6
- Humanities requirements 6
- Arts requirement 3
- Diverse Communities requirement 3
- Interdisciplinary requirement 3
- Student Electives 9
- Writing Emphasis requirements 9

Major Requirements

MAT 161 Calculus I 4

MAT 162 Calculus II 4

MAT 200 The Nature of Mathematics 3

MAT 261 Calculus III 4

MAT 311 Linear Algebra I 3

MAT 343 Differential Equations 3

MAT 411 Algebra I 3

MAT 421 Mathematical Statistics I 3

MAT 441 Real Analysis I 3

MAT 445 Complex Variables 3

Mathematics Electives

Select 18 semester hours from upper-division (300-level or higher) mathematics courses; at least one course from each of the areas below.

Algebra elective

Analysis elective

Applied mathematics elective

Related/Cognate Requirements

- CSC 141 Computer Science I 3
- ENG 371 Technical Writing 3
- PHY 170 Physics I 4
- PHY 180 Physics II 4
- SPK 230 Business and Professional Speech Communication 3

Free Electives or Independent Study

Select 16 hours of independent study and free electives (chosen under advisement) 16

Total Minimum Credits Required 120

Accelerated B.S. Mathematics to M.A. Mathematics Program

Students may substitute up to 5 graduate courses for B.S. course requirements, subject to the following guidelines:

Major Requirements

MAT 445 Complex Variables 3

or MAT 575 Complex Analysis I

Algebra Elective

May be replaced by one of the following:

- MAT 513 Linear Algebra
- MAT 514 Theory Of Numbers
- MAT 515 Algebra I
- MAT 516 Algebra II

Analysis Elective

May be replaced by one of the following:

- MAT 535 Topology
- MAT 543 Topics in Differential Equations
- MAT 545 Real Analysis I
- MAT 546 Real Analysis II

Applied Mathematics Elective

May be replaced by one of the following:

- STA 505 Mathematical Statistics I
- MAT 548 Industrial Mathematics - Continuous Models
- MAT 549 Industrial Mathematics - Discrete Models
- MAT 552 Operations Research
- MAT 553 Stochastic Modeling
- MAT 554 Scientific Computing
- MAT 555 Industrial Practicum - Continuous Models
- MAT 570 Math Models In Life, Phys & Soc Sciences

Mathematics Electives

May be replaced by any course from the three areas above or any of the following:
Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

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<tr>
<td><strong>Year One</strong></td>
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<tr>
<td><strong>Fall</strong></td>
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<tr>
<td>MAT 161 Calculus I</td>
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<td>MAT 121 Introduction to Statistics I (recommended)</td>
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<tr>
<td>CSC 141 Computer Science I</td>
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<td>Humanities Gen Ed</td>
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<td>Arts Gen Ed</td>
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<td><strong>Credits</strong></td>
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</tr>
<tr>
<td><strong>Spring</strong></td>
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<tr>
<td>MAT 162 Calculus II</td>
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<tr>
<td>MAT 200 The Nature of Mathematics</td>
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<tr>
<td>PHY 170 Physics</td>
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<td>WRT 120 Effective Writing I</td>
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<td>SPK 230 Business and Professional Speech Communication</td>
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<td><strong>Credits</strong></td>
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<td><strong>Fall</strong></td>
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<tr>
<td>MAT 261 Calculus III</td>
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<td>MAT 311 Linear Algebra</td>
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<td>PHY 180 Physics II</td>
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<td>WRT 200 Critical Writing and Research</td>
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<td><strong>Credits</strong></td>
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<tr>
<td><strong>Spring</strong></td>
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<tr>
<td>MAT 343 Differential Equations</td>
<td>3</td>
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<td>Mathematics Elective 3</td>
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<td>MAT 401 History of Mathematics (W course; recommended)</td>
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<td>Free Elective 3</td>
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<td>Gen Ed Elective</td>
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<td><strong>Credits</strong></td>
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<td><strong>Fall</strong></td>
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</tr>
<tr>
<td>MAT 411 Algebra I</td>
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<td>MAT 421 Mathematical Statistics I</td>
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<td><strong>Credits</strong></td>
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</tr>
<tr>
<td><strong>Spring</strong></td>
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</tr>
<tr>
<td>MAT 441 Real Analysis I</td>
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<tr>
<td>Algebra Elective</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics Elective 1</td>
<td>3</td>
</tr>
<tr>
<td>J course</td>
<td>3</td>
</tr>
<tr>
<td>Free Elective</td>
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</tr>
<tr>
<td><strong>Credits</strong></td>
<td>15</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>125</td>
</tr>
</tbody>
</table>

1 Any courses in mathematics with course numbers above 311, with the exception of those courses with a primary focus on teacher training or those courses restricted to students majoring in elementary education.
2 MAT 499 may be taken for variable credit and repeated for credit.
3 Must be approved by adviser.

B.S. IN MATHEMATICS - STATISTICS CONCENTRATION

College of the Sciences and Mathematics

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition requirements</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics requirement</td>
<td>3</td>
</tr>
<tr>
<td>Public Speaking requirement</td>
<td>3</td>
</tr>
<tr>
<td>Science requirements</td>
<td>6</td>
</tr>
<tr>
<td>Behavioral &amp; Social Science requirements</td>
<td>6</td>
</tr>
<tr>
<td>Humanities requirements</td>
<td>6</td>
</tr>
<tr>
<td>Arts requirement</td>
<td>3</td>
</tr>
<tr>
<td>Diverse Communities requirement</td>
<td>3</td>
</tr>
<tr>
<td>Interdisciplinary requirement</td>
<td>3</td>
</tr>
<tr>
<td>Student Electives</td>
<td>9</td>
</tr>
<tr>
<td>Writing Emphasis requirements</td>
<td>9</td>
</tr>
</tbody>
</table>

Major Requirements

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 125 Introduction to Statistics and Probability</td>
<td>3</td>
</tr>
<tr>
<td>MAT 161 Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MAT 162 Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MAT 200 The Nature of Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MAT 261 Calculus III</td>
<td>4</td>
</tr>
</tbody>
</table>
B.S.ED. IN MATHEMATICS

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 311</td>
<td>Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>STA 319</td>
<td>Applied Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MAT 343</td>
<td>Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>MAT 421</td>
<td>Mathematical Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>MAT 422</td>
<td>Mathematical Statistics II</td>
<td>3</td>
</tr>
<tr>
<td>STA 311</td>
<td>Intro Statistical Computing and Data Mgmt</td>
<td>3</td>
</tr>
<tr>
<td>STA 320</td>
<td>Experimental Design</td>
<td>3</td>
</tr>
<tr>
<td>STA 321</td>
<td>Topics in Advanced Statistics</td>
<td>3</td>
</tr>
<tr>
<td>STA 419</td>
<td>Basics of Statistical Learning</td>
<td>3</td>
</tr>
<tr>
<td>STA 490</td>
<td>Capstone Course in Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

**Related/Cognate Requirements**

Select one of the following:

- ENG 368 Business and Organizational Writing
- ENG 375 Strategies for Writing in the Workplace
- ENG 371 Technical Writing

**Supplemental Electives**

Select six electives from a subject area in which students would like to apply statistics.

**Statistics Electives or Internship**

Two additional MAT/STA courses at the 200 level or higher, one of which may be an internship.

**Total Minimum Required Credits:**

120

1 Indicates course satisfies a general education requirement.

2 Because STA 512 is a 4 credit course 6 credits of Internship and Electives are replaced by 7 credits of graduate coursework.

**Accelerated B.S. Mathematics - Statistics to M.S. Applied Statistics Program**

**Supplemental Electives**

STA 505 and STA 511 may be taken to replace two supplemental electives.

**Internship and Electives**

STA 506 and STA 512 may be taken to replace the internship and Free Math/Stat Elective.

All math major courses must be passed with a C or better.

**Sample Course Plan**

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

**Course** | **Title** | **Credits**
---|---|---
**Year One**
**Semester One**
MAT 121 | Introduction to Statistics I | 3
MAT 161 | Calculus I | 4
Gen Ed Arts Course | 3
Gen Ed Humanities Course | 3
Gen Ed Behavioral/Social Science Course | 3
Credits | 16
**Semester Two**
Gen Ed Elective (MAT 122 Recommended) | 3
MAT 162 | Calculus II | 4
MAT 200 | The Nature of Mathematics | 3
WRT 120 | Effective Writing I | 3
**Year Two**
**Semester Three**
MAT 261 | Calculus III | 4
MAT 311 | Linear Algebra | 3
WRT 200 | Critical Writing and Research | 3
Supplemental Elective I | 3
Gen Ed Elective | 3
Credits | 16
**Semester Four**
STA 319 | Applied Statistics | 3
STA 311 | Intro Statistical Computing and Data Mgmt | 3
Gen Ed Behavioral/Social Science Course | 3
Gen Ed Science Elective | 3
Supplemental Elective II | 3
Credits | 15
**Year Three**
**Semester Five**
MAT 421 | Mathematical Statistics I | 3
STA 320 | Experimental Design | 3
JW Course | 3
Gen Ed Elective | 3
Supplemental Elective III | 3
Credits | 15
**Semester Six**
MAT 422 | Mathematical Statistics II | 3
MAT 423 | Applied Probability | 3
ENG 368 | Business and Organizational Writing (W) | 3
STA 321 | Topics in Advanced Statistics | 3
Supplemental Elective IV | 3
Elective | 3
Credits | 15
**Year Four**
**Semester Seven**
MAT 343 | Differential Equations | 3
JW Course | 3
STA 490 | Capstone Course in Statistics | 3
Supplemental Elective V | 3
Supplemental Elective VI | 3
Credits | 15
**Semester Eight**
MAT 491 | Internship in Applied Mathematics | 2-4
Elective in MAT/STA Stats (300 lvl or higher) | 3
Gen Ed Humanities Course | 3
Gen Ed Science Elective | 3
Electives | 6-9
Credits | 17-22
Total Credits | 125-130

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B.S.ED. IN MATHEMATICS

College of the Sciences and Mathematics
Curriculum

**General Education Requirements** ([http://catalog.wcupa.edu/undergraduate/general-education-requirements](http://catalog.wcupa.edu/undergraduate/general-education-requirements))

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>Science</td>
<td>6</td>
</tr>
<tr>
<td>Behavioral &amp; Social Science</td>
<td>6</td>
</tr>
<tr>
<td>Humanities</td>
<td>6</td>
</tr>
<tr>
<td>Arts</td>
<td>3</td>
</tr>
<tr>
<td>Diverse Communities</td>
<td>3</td>
</tr>
<tr>
<td>Interdisciplinary</td>
<td>3</td>
</tr>
<tr>
<td>Student Electives</td>
<td>9</td>
</tr>
<tr>
<td>Writing Emphasis requirements</td>
<td>9</td>
</tr>
</tbody>
</table>

**Major Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 161</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MAT 162</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MAT 200</td>
<td>The Nature of Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MAT 261</td>
<td>Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>MAT 311</td>
<td>Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MAT 331</td>
<td>Foundations of Geometry</td>
<td>3</td>
</tr>
<tr>
<td>MAT 350</td>
<td>Techniques of Teaching Middle School Mathematics (credited to professional education)</td>
<td>3</td>
</tr>
<tr>
<td>MAT 354</td>
<td>Techniques of Teaching Secondary School Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MAT 360</td>
<td>Field Experiences in Middle School Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MAT 364</td>
<td>Field Experiences in Secondary School Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MAT 401</td>
<td>History of Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MAT 411</td>
<td>Algebra I</td>
<td>3</td>
</tr>
<tr>
<td>MAT 414</td>
<td>Theory of Numbers</td>
<td>3</td>
</tr>
<tr>
<td>MAT 421</td>
<td>Mathematical Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>MAT 441</td>
<td>Real Analysis I</td>
<td>3</td>
</tr>
</tbody>
</table>

**Education Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDA 103</td>
<td>Foundations of Special Education</td>
<td>3</td>
</tr>
<tr>
<td>EDA 304</td>
<td>Special Ed Processes/Procedures for Secondary Educators</td>
<td>3</td>
</tr>
<tr>
<td>EDR 347</td>
<td>Literacy Development and Secondary Students with Disabilities in Inclusive Classrooms</td>
<td>3</td>
</tr>
<tr>
<td>EDP 250</td>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>EDS 411</td>
<td>Student Teaching Sec - 1st Half</td>
<td>6</td>
</tr>
<tr>
<td>EDS 412</td>
<td>Student Teaching Sec - 2nd Half</td>
<td>6</td>
</tr>
<tr>
<td>HIS 444</td>
<td>History of American Education</td>
<td>3</td>
</tr>
<tr>
<td>LAN/ENG 382</td>
<td>Teaching English Language Learners PK-12</td>
<td>3</td>
</tr>
</tbody>
</table>

**Related/Cognate Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 141</td>
<td>Computer Science I</td>
<td>3</td>
</tr>
<tr>
<td>PHY 170</td>
<td>Physics I</td>
<td>3</td>
</tr>
<tr>
<td>PHY 180</td>
<td>Physics II</td>
<td>4</td>
</tr>
</tbody>
</table>

**Electives in Mathematics**

Selected from upper-division (300 level or higher mathematics courses; at least one course in both applied mathematics and analysis

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
</table>

**Total Minimum Credits Required:** 124

---

in this catalog.) Only those students formally admitted to teacher education will be eligible to enroll in MAT 354.

**Sample Course Plan**

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

<table>
<thead>
<tr>
<th>Course Year One</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td><strong>Fall</strong></td>
<td><strong>Title</strong></td>
<td><strong>Credits</strong></td>
</tr>
<tr>
<td>MAT 121</td>
<td>Introduction to Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>MAT 161</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>WRT 120</td>
<td>Effective Writing I</td>
<td>3</td>
</tr>
<tr>
<td>SPK 208 or SPK 230</td>
<td>Public Speaking or Business and Professional Speech</td>
<td>3</td>
</tr>
<tr>
<td><strong>Gen Ed Humanities LIT</strong></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td></td>
<td>16</td>
</tr>
<tr>
<td><strong>Spring</strong></td>
<td><strong>Title</strong></td>
<td><strong>Credits</strong></td>
</tr>
<tr>
<td>MAT 162</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MAT 200</td>
<td>The Nature of Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>WRT 200</td>
<td>Critical Writing and Research</td>
<td>3</td>
</tr>
<tr>
<td>or WRT 204</td>
<td>Critical Writing: Approaches to Pop Culture</td>
<td>3</td>
</tr>
<tr>
<td>or WRT 205</td>
<td>Critical Writing: Investigating</td>
<td>3</td>
</tr>
<tr>
<td>or WRT 206</td>
<td>Critical Writing: Multidisciplinary</td>
<td>3</td>
</tr>
<tr>
<td>or WRT 208</td>
<td>Critical Writing: Entering Public Sphere</td>
<td>3</td>
</tr>
<tr>
<td>or WRT 220</td>
<td>Critical Writing: Special Topics</td>
<td>3</td>
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<tr>
<td><strong>Credits</strong></td>
<td></td>
<td>16</td>
</tr>
<tr>
<td><strong>Year Two</strong></td>
<td><strong>Title</strong></td>
<td><strong>Credits</strong></td>
</tr>
<tr>
<td><strong>Fall</strong></td>
<td><strong>Title</strong></td>
<td><strong>Credits</strong></td>
</tr>
<tr>
<td>MAT 261</td>
<td>Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>MAT 311</td>
<td>Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>PHY 170</td>
<td>Physics I</td>
<td>4</td>
</tr>
<tr>
<td>EDA 103</td>
<td>Foundations of Special Education</td>
<td>3</td>
</tr>
<tr>
<td>EDP 250</td>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td></td>
<td>17</td>
</tr>
<tr>
<td><strong>Spring</strong></td>
<td><strong>Title</strong></td>
<td><strong>Credits</strong></td>
</tr>
<tr>
<td>MAT 441</td>
<td>Real Analysis I</td>
<td>3</td>
</tr>
<tr>
<td>MAT Analysis Elective (MAT 343 recommended)</td>
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<td></td>
</tr>
<tr>
<td>PHY 180</td>
<td>Physics II</td>
<td>4</td>
</tr>
<tr>
<td>EDA 304</td>
<td>Special Ed Processes/Procedures for Secondary Educators</td>
<td>3</td>
</tr>
<tr>
<td>EDA 103</td>
<td>Foundations of Special Education</td>
<td>3</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td></td>
<td>16</td>
</tr>
<tr>
<td><strong>Year Three</strong></td>
<td><strong>Title</strong></td>
<td><strong>Credits</strong></td>
</tr>
<tr>
<td><strong>Fall</strong></td>
<td><strong>Title</strong></td>
<td><strong>Credits</strong></td>
</tr>
<tr>
<td>MAT 411</td>
<td>Algebra I</td>
<td>3</td>
</tr>
<tr>
<td>MAT 421</td>
<td>Mathematical Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>MAT 350</td>
<td>Techniques of Teaching Middle School Mathematics (&quot;W&quot; Required)</td>
<td>3</td>
</tr>
</tbody>
</table>
MAT 360  Field Experiences in Middle School Mathematics (Required)  1
HIS 444  History of American Education  3
Gen Ed Elective

Credits  13

Spring
MAT 331  Foundations of Geometry  3
MAT 414  Theory of Numbers  3
MAT 354  Techniques of Teaching Secondary School Mathematics ("W" Required)  3
MAT 364  Field Experiences in Secondary School Mathematics (Required)  1
LAN 382  or ENG 382  Teaching English Language Learners PK-12 ("J")  3
EDR 347  Literacy Development and Secondary Students with Disabilities in Inclusive Classrooms  3

Credits  16

Year Four
Fall
EDS 411  Student Teaching Sec - 1st Half  6
EDS 412  Student Teaching Sec - 2nd Half  6

Credits  12

Spring
MAT 401  History of Mathematics ("W")  3
MAT Applied Mathematics Elective  3
MAT Elective  3
Gen Ed Interdisciplinary ("I")  3
Gen Ed Arts  3

Credits  15

Total Credits  121

MINOR IN MATHEMATICS

College of the Sciences and Mathematics

Baccalaureate students may receive transcript recognition for a minor area of study in mathematics by completing four required courses and two electives selected from the approved list.

Required Courses
MAT 161  Calculus I  4
MAT 162  Calculus II  4
MAT 261  Calculus III  4
MAT 311  Linear Algebra  3

Approved Electives
Any two courses in mathematics with course numbers above 311 with the exception of those courses with a primary focus on teacher training or those courses restricted to students majoring in elementary education.

Total Credits  21

In this minor, a student must earn a minimum grade of C- in each course and have an average of at least 2.0 over all the courses taken in the minor.

MINOR IN APPLIED STATISTICS

College of the Sciences and Mathematics

Required Courses

Core Component - Complete the following:  9-10
MAT 143  Brief Calculus
or MAT 145  Calculus for the Life Sciences
or MAT 161  Calculus I
MAT 121  Introduction to Statistics I
or ECO 251  Business Analytics I
STA 200  Introduction to Statistics II

Complete at least one of the following:  3-9
STA 311  Intro Statistical Computing and Data Management
STA 320  Experimental Design
STA 319  Applied Statistics
MAT 421  Mathematical Statistics I

Select from the following courses to complete the required credits:  0-6
MIS 300  Introduction to Management Information Systems
MKT 360  Marketing Research
ECO 351  Business Analytics II
ECO 401  Introduction to Econometrics
CSC 321  Data Base Management Systems
PPD 481  Drug Design I
HEA 419  Research Methods in Health
PSY 245  Statistics for the Behavioral Sciences
PSY 246  Research Methods in Psychology
BIO 310  Biostatistical Applications
GEO 326  Geographical Analysis
STA 311  Intro Statistical Computing and Data Management
STA 320  Experimental Design
STA 319  Applied Statistics
MAT 421  Mathematical Statistics I

Total Minimum Credits Required  18

1  In this minor, a student must earn a minimum grade of C- in each course and have an average of at least 2.0 over all the courses taken in the minor.

INTERDISCIPLINARY MINOR IN COMPUTATIONAL SCIENCE (IMCS)

College of the Sciences and Mathematics

Curriculum

Required Fundamental Courses
MAT 161  Calculus I  4
MAT 162  Calculus II  4
PHY 170  Physics I  4
Required Computational Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 325</td>
<td>Numerical Analysis I</td>
<td>3</td>
</tr>
<tr>
<td>CSC 141</td>
<td>Computer Science I</td>
<td>3</td>
</tr>
<tr>
<td>PHY 175</td>
<td>Computational Physics</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Minimum Credits Required: 21

1. Internship: A 3-credit-hour internship with sufficient computational component could replace one of the three core computational courses after approval by the program coordinator.

2. Grade Requirement: Students need to earn in each of the three required computational courses, MAT 325, PHY 175, and CSC 141 of the minor, a grade of B or higher.

DEPARTMENT OF MUSIC EDUCATION

School of Music

Overview

221 Swope Music Building
610-436-2739
Department of Music Education (http://www.wcupa.edu/musicEducation)
Marci Major (mmajor@wcupa.edu), Chairperson

The mission of the School of Music at West Chester University is to create a learning environment that provides the highest order of education in all major aspects of music, to establish a foundation for life-long growth in music, and to offer programs and degrees that are tradition-based but future-oriented. In pursuing this mission, we reaffirm our commitment to diversity within the School of Music. Our faculty members strive to be inspiring teachers as well as musical and intellectual leaders. Further, we endeavor to expand the music opportunities available to all university students and to enhance the quality of our community’s musical life.

Programs

Majors in Music Education

• B.M. in Music Education (p. 391)

Graduate Opportunities

See the graduate catalog for more information on the Music Education programs. (http://catalog.wcupa.edu/graduate/school-of-music/music-education)

Policies

• See undergraduate admissions information. (p. 11)
• See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

PRAXIS II for Music Education Majors

For required tests and scores, go to the following websites:

Music Ed program requirements:
http://catalog.wcupa.edu/undergraduate/arts-humanities/music-education/music-education-bm/

Educator Preparation Programs requirements:
http://catalog.wcupa.edu/undergraduate/education-social-work/educator-preparation-programs/

1. Candidates must take (but not necessarily pass) the required PRAXIS tests in order to enter the student teaching internship.
2. Candidates must provide scores of all PRAXIS tests (both passing and non-passing attempts) to the Chair of Music Education.
3. Candidates must take (but not necessarily pass) the required PRAXIS II test (Fundamental Subjects Content Knowledge) as a prerequisite for MUE 332.
4. Candidates must schedule and take (but not necessarily pass) the required PRAXIS II test (Music Content Knowledge) immediately upon completion of MHL 212 and as a prerequisite for MUE 431/MUE 432.
5. Music Education students must pass the Praxis II in order to obtain PA Teacher Certification.

Faculty

Associate Professor

Mark Gregory Martin (mmartin@wcupa.edu) (2011)
Graduate Coordinator, Music Education
B.M.E., Eastern Kentucky University; M.M.A., James Madison University; D.M.A., University of Texas

Assistant Professors

Angela Guerriero (aguerriero@wcupa.edu) (2002)
B.S., M.Ed., M.M., West Chester University; M.A. Immaculata University; Ph.D., Drexel University

Marci Major (mmajor@wcupa.edu) (2016)
Chairperson, Music Education
B.S., West Chester University; M.M., Michigan State University; Ph.D., The Ohio State University

Nancy Wittmer (nwittmer@wcupa.edu) (2016)
B.A., M.Ed., Frostburg State University; D.M.A., Boston University

Courses

MDA

MDA 240. Integrating the Arts within the Elementary Classroom. 3 Credits.
This course is designed to prepare the elementary classroom teacher (PK-4) to teach academic subjects more meaningfully through the art disciplines of creative movement, music, and visual art. The emphasis of this course is to study how the integration of the arts into the curriculum can provide children with essential problem solving skills that use both creative and critical thinking.
Gen Ed Attribute: Arts Distributive Requirement.

MUE

MUE Q01. Prof Qualifying Remediation. 0 Credits.
Designed to present musicianship skills for students who have failed the Professional Qualifying Examination.
Repeatable for Credit.

MUE 101. Elementary Choir. 0.5 Credits.
The purpose of this course is to acquaint the student with the organization, administration, fundamental rehearsal techniques and resources for a successful beginning choral program in today’s public schools. In this course, current and future choral conductors continue their development of fundamental conducting skills learned in basic conducting, while incorporating those skills into a choral rehearsal setting.
Typically offered in Fall.

MUE 201. Music Education Seminar. 0.5 Credits.
A seminar introducing the philosophical foundations of music education and the structure of the school music program. Required for all music education majors prior to MUE 331.

MUE 220. Teaching Special Learners in the Music Classroom. 2 Credits.
This course provides undergraduate music education candidates with the skills, knowledge, understandings, and attitudes necessary to meet the needs of candidates with disabilities in an inclusive music education classroom. Field Clearances are required.
## Curriculum

### General Education Requirements

- **English Composition Requirements**: 6 credits
- **Mathematics Requirement**: 1 credit
- **Public Speaking Requirement**: 3 credits
- **Science requirements**: 6 credits
- **Behavioral & Social Science requirements**: 6 credits
- **Humanities requirements**: 6 credits
- **Arts requirement**: 3 credits
- **Diverse Communities requirement**: 3 credits
- **Interdisciplinary requirement**: 3 credits
- **Student Electives**: 9 credits
- **Writing Emphasis requirements**: 9 credits

### Theory Requirements

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<td>MTC 114</td>
<td>Aural Activities I</td>
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### Music Education Requirements

- **Professional qualifying test**
  - **MUE 201**: Music Education Seminar, 0.5 credits
  - **MUE 220**: Teaching Special Learners in the Music Classroom, 2 credits
  - **MUE 331**: Music Methods and Materials I, 3 credits
  - **MUE 332**: Music Methods and Materials II, 3 credits
  - **MUE 333**: Instrumental Methods and Materials, 2 credits
  - **MUE 334**: Choir Methods and Materials, 2 credits
  - **MUE 335**: Choral Methods and Materials, 2 credits
  - **MUE 430**: Related Arts Pedagogy In Music Education, 3 credits
  - **MUE 431**: Client Teaching I, 6 credits
  - **MUE 432**: Client Teaching II, 6 credits
  - **MUE 431**: Client Teaching II, 6 credits

### Other Music Requirements

- **Recital Attendance**: Major performing instrument, applied music courses, conducting, music organizations, or repertoire classes, 35-38 credits

### Education Courses

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### Total Minimum Credits Required

129 credits

### Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.
The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

### B.M. Music Education: Instrument

#### Prior to Semester 1: Complete clearances

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Praxis II - Fundamental Subjects

Credits 16.5

**Semester Eight**

Complete Clearances

VOI 441 Advanced Voice Maj Private Lesson (B.M.) 3

Major Choir - CHO ___ 0.5

VOC 424 Musico-Dramatic Production 1

Instrument Class 0.5

MUE 332 Music Methods and Materials II 3

MUE 335 Choral Methods and Materials 2

EDR 345 Literacy Development and Students in Inclusive Classrooms 3

EDR 347 Literacy Development and Secondary Students with Disabilities in Inclusive Classrooms 3

AEO 101 Elementary Orchestra 0.5

General Education Course 3

Praxis II - Music Content

Credits 16.5

**Year Five**

**Semester Nine**

MUE 431 Student Teaching I 6

MUE 432 Student Teaching II 6

Elective 3

Credits 17.5

**Semester Ten**

Complete Clearances

VOI 442 Advanced Voice Maj Private Lesson (B.M.) 3

VOC 424 Musico-Dramatic Production 1

General Education Course 3

General Education Course 3

General Education Course 3

Credits 15

Total Credits 164

**B.M. Music Education: Keyboard**

**Prior to Semester 1: Complete clearances**

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**Summer**

Complete clearances.

Credits 0

**Year Three**

**Semester Five**

MHL 212 Music History III 3

PIA 311 Piano Private Lesson 1.5

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**Year Four**

**Semester Six**

MHL 212 Music History III 3

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**Summer**

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**B.M. Music Education: Voice**

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Recital Attendance

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**B.M. Music Education and Performance**: Instrument

Prior to Semester 1: Complete clearances

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**Semester Two**

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**Year Two**

**Semester Three**

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Recital Attendance

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2018-2019 UNDERGRADUATE CATALOG
Semester Four
Complete Clearances
MTC 213 Theory of Music IV 3
MTC 215 Aural Activities IV 2
MHL 210 Music History I 3
Major Lessons - ___ 241 3
Major Ensemble - AEB/AEO/AES ___ 0.5
CHO 211 Men’s Chorus 0.5 or Women’s Chorus
CHO 212
PIA 292 Piano Class 1
Instrument Class 0.5
MUE 220 Teaching Special Learners in the Music Classroom 2
Recital Attendance

Credits 15.5

Year Three
Semester Five
MHL 211 Music History II 3
Major Lessons - ___ 242 3
Minor Lesson - ___ 101 1
Small Ensemble - AES 0.5
Major Ensemble - AEB/AEO/AES ___ 0.5-1
Instrument Class 0.5
EDP 250 Educational Psychology 3
AEB 101 Elementary Band 0.5
AIC 311 Instrumental Conducting I 2
MTC 341 Orchestration (fall only) 3
Professional Qualifying Test
Recital Attendance

Credits 17-17.5

Semester Six
Complete Clearances
MTC 344 16th Century Counterpoint 3
MHL 212 Music History III 3
Major Lessons - ___ 341 3
Minor Lessons - ___ 102 1
Major Ensemble - AEB/AEO/AES ___ 0.5-1
Small Ensemble - AES 0.5
ENG 382 Teaching English Language Learners 3
AEO 101 Elementary Orchestra 0.5
General Education Course 3
Formal Admission to Teacher Education (FATE)
School of Music Education Application
Recital Attendance

Credits 17.5-18

Year Four
Semester Seven
Major Lesson - ___ 342 3
Minor Lesson - 201 1
Major Ensemble - AEB/AEO/AES ___ 0.5
Small Ensemble - AES 0.5
Instrument Class 0.5
Instrument Class 0.5
MUE 331 Music Methods and Materials I 3
MUE 333 Instrumental Methods and Materials 2

B.M. Music Education and Performance: Keyboard
Prior to Semester 1: Complete clearances

Course Title Credits
Semester One
MTC 112 Theory of Music I 3
MTC 114 Aural Activities I 2
PIA 111 Piano Private Lesson 1.5
VOI 191 Voice Class (Minor) 0.5
Major Choir - CHO ___ 0.5
Instrument Class 0.5
MUE 201 Music Education Seminar 0.5
WRT 120 Effective Writing I (General Education Course) 3
General Education Course (Math) 3
General Education Course 3
Recital Attendance

Credits 17.5

Year One
Semester Two
AIC 312 Instrumental Conducting II 2
General Education Course 3
Praxis II - Fundamental Subjects 16

Credits

Semester Eight
Complete Clearances
Major Lessons - ___ 441 1.5
Minor Lessons - 202 1
Major Ensemble - AEB/AEO/AES ___ 0.5
Small Ensemble - AES 0.5
Music Literature I - ALC 1
Instrument Class 0.5
MUE 332 Music Methods and Materials II 3
EDR 345 Literacy Development and Students in Inclusive Classrooms 3
EDR 347 Literacy Development and Secondary Students with Disabilities in Inclusive Classrooms 3
AJZ 365 Jazz Ensemble Techniques 0.5
General Education Courses 6
Praxis II - Music Content 17.5

Credits

Year Five
Semester Nine
Student Teaching I 6
Student Teaching II 6
Elective 3

Credits 15

Semester Ten
Complete Clearances
Major Lessons - 442 3
Music Literature II - ALC 1
General Education Course (Public Speaking) 3
General Education Course 3
General Education Course 6

Credits 16

Total Credits 164-166
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| Recital Attendance | 18 |

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| Recital Attendance | 16 |

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| Year Six: Piano Course - PIA ___ | 3 |
| Master Class - MAK ___ | 1 |
| General Education Course | 3 |

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| Credits | 18 |
B.M. Music Education and Performance: Voice
Prior to Semester 1: Complete clearances

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>MTC 112</td>
<td>Theory of Music I</td>
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<td>MTC 114</td>
<td>Aural Activities I</td>
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<td>VOI 111</td>
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<tr>
<td>PIA 191</td>
<td>Piano Class (Minor)</td>
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<td>VOC 135</td>
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<td>MUE 201</td>
<td>Music Education Seminar</td>
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<tr>
<td>WRT 120</td>
<td>Effective Writing I (General Education Course)</td>
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<tr>
<td>General Education Course (Math)</td>
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<tr>
<td>Recital Attendance</td>
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**Year Two**

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<tbody>
<tr>
<td>MTC 212</td>
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<tr>
<td>VOI 142</td>
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<tr>
<td>Major Choir - CHO ___</td>
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<tr>
<td>PIA 291</td>
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<tr>
<td>Vocal Diction - VOC ___</td>
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<tr>
<td>Vocal Master Class - VOC ___</td>
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<td>EDA 103</td>
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**Semester Four**

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<tbody>
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<td>MTC 213</td>
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<td>MTC 215</td>
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<td>MHL 210</td>
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<tr>
<td>VOI 241</td>
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<tr>
<td>CHO 211</td>
</tr>
<tr>
<td>CHO 212</td>
</tr>
<tr>
<td>PIA 292</td>
</tr>
<tr>
<td>Vocal Diction - VOC ___</td>
</tr>
<tr>
<td>Vocal Master Class - VOC ___</td>
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<tr>
<td>Instrument Class</td>
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<td>Professional Qualifying Test</td>
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**Year Three**

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<th>Semester Five</th>
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<tbody>
<tr>
<td>MHL 211</td>
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<td>Counterpoint - MTC ___</td>
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<tr>
<td>VOI 242</td>
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<td>Major Choir - CHO ___</td>
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<tr>
<td>Vocal Diction - VOC ___</td>
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<tr>
<td>PIA 223</td>
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<td>Vocal Master Class - VOC ___</td>
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<td>Instrument Class</td>
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<tr>
<td>EDP 250</td>
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<td>VOC 311</td>
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**Semester Six**

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<tr>
<td>MHL 212</td>
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<td>VOI 341</td>
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<td>Major Choir - CHO ___</td>
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<tr>
<td>Foreign Language</td>
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<td>Vocal Diction - VOC ___</td>
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<td>Instrument Class</td>
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<td>Instrument Class</td>
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<tr>
<td>ENG 382</td>
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<tr>
<td>VOC 312</td>
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<tr>
<td>Formal Admission to Teachers Education (FATE)</td>
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<tr>
<td>School of Music Education Application</td>
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**Year Four**

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<td>VOI 342</td>
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<td>PIA 334</td>
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<td>PIA 201</td>
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<td>MUE 331</td>
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| Total Credits | 167 |
### AEB 101  Elementary Band  0.5
General Education Course  3
Praxis II - Fundamental Subjects

#### Credits  16.5

### Semester Eight

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<td>VOC 424</td>
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<td>MUE 332</td>
<td>Music Methods and Materials II</td>
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<td>MUE 335</td>
<td>Choral Methods and Materials</td>
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<tr>
<td>EDR 345 or EDR 347</td>
<td>Literacy Development and Students in Inclusive Classrooms</td>
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<td>AEO 101</td>
<td>Elementary Orchestra</td>
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### Year Five

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<th>Semester Nine</th>
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<td>MUE 431</td>
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<td>MUE 432</td>
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#### Credits  15

### Semester Ten

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<td>VOI 442</td>
<td>Advanced Voice Maj Private Lesson (B.M.)</td>
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<td>VOC 424</td>
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</table>

#### Credits  16

### Total Credits  164

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## DEPARTMENT OF MUSIC THEORY, HISTORY AND COMPOSITION

### Overview

330 Swope Music Building  
610-436-2739  
Department of Music Theory, History, and Composition (http://www.wcupa.edu/musicTheory)  
Dr. Robert Maggio (rmaggio@wcupa.edu), Chairperson

The mission of the School of Music at West Chester University is to create a learning environment that provides the highest order of education in all major aspects of music, to establish a foundation for life-long growth in music, and to offer programs and degrees that are tradition based but future oriented. In pursuing this mission, we reaffirm our commitment to diversity within the School of Music. Our faculty members strive to be inspiring teachers as well as musical and intellectual leaders. Further, we endeavor to expand the music opportunities available to all University students and to enhance the quality of our community's musical life.

### Programs

#### Majors in Music Theory, History and Composition

- Bachelor of Music with a Concentration in Composition (p. 403)  
- Bachelor of Music with a Concentration in History (p. 405)  
- Bachelor of Music with a Concentration in Theory (p. 406)  
- Bachelor of Music with Elective Studies in an Outside Field (p. 407)

#### Minors in Music Theory, History and Composition

- Music (p. 408)  
- Music History (p. 408)  
- Music Production (p. 408)

### Graduate Opportunities

See the graduate catalog for more information on the Music Theory, History and Composition programs. (http://catalog.wcupa.edu/graduate/school-of-music/music-theory-history-composition)

### Policies

- See undergraduate admissions information. (p. 11)  
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

### Faculty

#### Professors

- Robert C. Maggio (rmaggio@wcupa.edu) (1991)  
  Chairperson, Music Theory, History, and Composition  
  B.A., Yale University; M.A., Ph.D., University of Pennsylvania  
- Julian Onderdonk (jonderdonk@wcupa.edu) (2001)  
  B.A., Bowdoin College; M.A., Ph.D., New York University  
- Mark T. Rimple (mrimple@wcupa.edu) (2000)  
  B.A., Bowdoin College; M.A., Ph.D., New York University  
- Van Stiefel (vstiefel@wcupa.edu) (2006)  
  B.A., M.M., Yale University; Ph.D., Princeton University

#### Assistant Professors

- Jacob Cooper (jcooper@wcupa.edu) (2014)  
  B.A., Amherst College; M.A., A.D., D.M.A., Yale University  
- Hayoung Heidi Lee (hleec2@wcupa.edu) (2013)  
  B.A., M.A., University of Washington; Ph.D., Stanford University
Courses

MHL

MHL 121. Music in Culture and History. 3 Credits.
A course in appreciating music as an informed listener. Includes an introduction to the basic elements of musical style necessary for understanding music in its cultural and historical context, examination of the great European composers and their masterworks, and topics in popular music, jazz, and/or world music. No Prerequisites. Ability to read music is NOT expected.
Gen Ed Attribute: Arts Distributive Requirement.
Distance education offering may be available.
Typically offered in Fall & Spring.

MHL 125. Perspectives in Jazz. 3 Credits.
Guided listening to improve understanding and enjoyment of jazz with emphasis on jazz heritages, chronological development, and sociological considerations, culminating in an analysis of the eclectic styles of the 1960s and 1970s. Not open to music majors.
Gen Ed Attribute: Arts Distributive Requirement, Diversity Requirement.
Typically offered in Fall & Spring.

MHL 127. Sounds of Philadelphia and its Surroundings. 3 Credits.
This course examines the rich music-cultural life of Philadelphia and its surroundings. Through a focus on music history, students will study music, culture, politics, history and migration of the Philadelphia area. The topics and genre covered in the course would be broad and diverse in genre and styles of music.
Distance education offering may be available.
Typically offered in Fall & Spring.
Repeatable for Credit.

MHL 179. Special Subjects Seminar. 3 Credits.
Significant topics in music history and literature presented by faculty members and/or visiting lecturers. Designed for the nonmusic major who has had little or no previous musical experience. Not open to music majors.
Typically offered in Fall & Spring.
Repeatable for Credit.

MHL 201. Form and Style in the Arts. 3 Credits.
Relationships between the arts (music, literature, fine arts, and dance) stressed through common principles of form and style. Concentration on the development of skills of critical perception through practical application with reference to various arts.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Fall & Spring.
Repeatable for Credit.

MHL 210. Music History I. 3 Credits.
An introduction to musical style and listening techniques within a historical context: (1) an introduction to style periods, music listening skills, concepts of form, and style analysis in both Western and non-Western music; (2) historical survey of music beginning with the music of the early Church and continuing through the end of the 16th century.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Fall & Spring.

MHL 211. Music History II. 3 Credits.
A historical survey of music from 1600 to 1825. Analysis of appropriate genres, styles, forms, social contexts, aesthetics, and performance practices will be considered.
Pre / Co requisites: MHL 211 requires prerequisites of C- or better in MHL 210.
Typically offered in Fall & Spring.

MHL 212. Music History III. 3 Credits.
A historical survey of music from 1825 to the present. Analysis of appropriate genre, styles, forms, social contexts, aesthetic concepts, and performance practices will be considered.
Pre / Co requisites: MHL 212 requires prerequisites of MHL 211 with a C- or better.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Fall & Spring.

MHL 301. Music and the Related Arts. 3 Credits.
Examines ways in which music parallels at least two other visual, performing, and/or verbal arts in Western and/or non-Western culture. Concentration on the development of skills of critical perception through practical application to music and other arts.
Pre / Co requisites: MHL 301 requires a prerequisite of MTC 212 and MHL 211 or permission of instructor.
Typically offered in Fall.

MHL 310. Collegium Musicum. 1 Credit.
A chamber ensemble specializing in the use of authentic instruments and performance techniques in the music of the Medieval, Renaissance, and Baroque eras. Membership by audition.
Typically offered in Fall & Spring.
Repeatable for Credit.

MHL 312. Women in Music. 3 Credits.
A survey of the role that women played in the history of music from the Middle Ages to the present. Open to nonmusic majors and music majors without prerequisites.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Spring.

MHL 325. History of Rock. 3 Credits.
This course traces the development of 1950s rock and roll from its rhythm and blues and country and western sources through the world music influences of the 1970s and beyond.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Spring.

MHL 420. World Music. 3 Credits.
An introduction to the study of tribal, folk, popular, and oriental music and ethnomusicology methodology. Open to music majors and nonmusic majors without prerequisites.
Typically offered in Spring.

MHL 422. History of Jazz. 3 Credits.
A survey of the history of jazz, including representative performers and their music.
Pre / Co requisites: MHL 422 requires a prerequisite of MHL 212.
Typically offered in Fall.

MHL 440. Medieval Music. 3 Credits.
Development of plainsong and secular monody and beginnings of early history of polyphony through the 14th century. Consideration of trends in the visual arts, history and literature.

MHL 454. History of Opera. 3 Credits.
A basic course in the origin and development of opera and its dissemination throughout the Western world.
Pre / Co requisites: MHL 454 requires prerequisite of MHL 212.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Spring.

MHL 455. History of Orchestral Music. 3 Credits.
A study of representative orchestral works: symphonies, concerti, suites, overtures, and others, from the Baroque Period to the present.
Pre / Co requisites: MHL 455 requires prerequisite of MHL 212.
Gen Ed Attribute: Writing Emphasis.

MHL 459. Topics in American Music. 3 Credits.
Survey of the development of music and musical styles from 1620 to the present. Analysis of styles, forms, aesthetic concepts, and practices.
Gen Ed Attribute: Writing Emphasis.

MHL 479. Topics in Music History I. 3 Credits.
Significant topics presented by faculty members and/or visiting lecturers. Designed to meet specific needs of undergraduate music majors.
Repeatable for Credit.

MHL 481. Independent Study. 1 Credit.
Contact department for more information about this course.
Repeatable for Credit.

MHL 482. Independent Study. 2 Credits.
Contact department for more information about this course.
Repeatable for Credit.

MHL 483. Independent Study. 3 Credits.
Contact department for more information about this course.
Repeatable for Credit.

MHL 498. Senior Project 1. 3 Credits.
Research and writing for Music History Senior Project.
Consent: Permission of the Department required to add.
MHL 499. Senior Project II. 3 Credits.
Completion of research and writing for Music History Senior Project.
Consent: Permission of the Department required to add.

MHL 501. Style Form & Genre - A Review. 3 Credits.
An introduction to the study of music at the graduate level designed as a survey of Western art music with emphasis on fundamental considerations of form, style, and genre.
Typically offered in Spring & Summer.

MHL 510. Collegium Musicum. 1 Credit.
A chamber ensemble specializing in the use of authentic instruments and performance techniques in the music of the Medieval, Renaissance, and Baroque eras. Open by audition.
Typically offered in Fall & Spring.
Repeatable for Credit.

MHL 610. Topics in Medieval Music. 3 Credits.
Exploration of selected topics in medieval music. Specific topics deal with various aspects of music and musical development during this period. The specific topics and their number will vary with each offering of the course. Taught as a seminar with emphasis placed on student participation and research.

MHL 611. Topics in Renaissance Music. 3 Credits.
Exploration of selected topics in fifteenth and sixteenth-century music. Specific topics deal with various aspects of music and musical development during this historical epoch. The specific topics and their number will vary with each offering of the course. Taught as a seminar with emphasis placed on student participation and research.

MHL 612. Topics in Baroque Music. 3 Credits.
Exploration of selected topics in the history of music in the baroque period. Specific topics deal with various aspects of music and musical development during this historical epoch. The specific topics and their number will vary with each offering of the course. Taught as a seminar with emphasis placed on student participation and research.

MHL 613. Topics in Music from 1750 to 1810. 3 Credits.
Exploration of selected topics in the history of music in the classic period. Specific topics deal with various aspects of music and musical development during this historical epoch. The specific topics and their number will vary with each offering of the course. Taught as a seminar with emphasis placed on student participation and research.

MHL 614. Topics in Music from 1810 to 1880. 3 Credits.
Exploration of selected topics in the history of music in the earlier nineteenth century. Specific topics deal with various aspects of music and musical development during this historical epoch. The specific topics and their number will vary with each offering of the course. Taught as a seminar with emphasis placed on student participation and research.

MHL 615. Topics in Music from 1880 to Present. 3 Credits.
Exploration of selected topics in the history of music from the late Romantic to the Present. Specific topics deal with various aspects of music and musical development during this historical epoch. The specific topics and their number will vary with each offering of the course. Taught as a seminar with emphasis placed on student participation and research.

MHL 620. World Music. 3 Credits.
An introduction to the study of tribal, folk, popular, and oriental music and ethnomusicological methodology. Open to music majors and nonmusic majors without prerequisites.
Typically offered in Spring.

MHL 622. History of Jazz. 3 Credits.
A survey of the history of jazz, including representative performers and their music.
Typically offered in Fall.

MHL 654. History of Opera. 3 Credits.
The composers and their major contributions to the various schools of opera.
Typically offered in Spring.

MHL 655. History Of Orchestral Music. 3 Credits.
How the symphony orchestra developed from the Baroque period to the present in its function, literature, instrumentation, and performance practices.

MHL 658. Performance Practices. 3 Credits.
A consideration of the special problems encountered in the stylistic realization and performance of music from the Medieval through the Romantic eras. Particular attention will be focused on original sources, period instruments, and performance problems.

MHL 659. Topics In American Music. 3 Credits.
Exploration of selected topics in the history of music in America from 1620 to the present.

MHL 679. Topics In History of Music I. 3 Credits.
Contact department for more information about this course. Repeatable for Credit.

MHL 681. Independent Study In Music. 3 Credits.
Contact department for more information about this course. Repeatable for Credit.

MHL 682. Independent Study In Music. 2 Credits.
Contact department for more information about this course. Repeatable for Credit.

MHL 683. Independent Study In Music. 3 Credits.
Contact department for more information about this course. Repeatable for Credit.

MHL 698. Directed Research In Musicology. 3 Credits.
This course is designed to assist the graduate music history major to focus research pursuits toward formulation of a potentially successful thesis topic.

MHW

MHW 405. Workshop in Music History. 1-3 Credits.
Participation-oriented workshops designed to meet specific needs in music history and to develop skills for practical application in teaching and professional settings.
Repeatable for Credit.

MHW 406. Workshop in Music History. 1-3 Credits.
Participation-oriented workshops designed to meet specific needs in music history and to develop skills for practical application in teaching and professional settings.
Repeatable for Credit.

MHW 407. Workshop in Music History. 1-3 Credits.
Participation-oriented workshops designed to meet specific needs in music history and to develop skills for practical application in teaching and professional settings.
Repeatable for Credit.

MHW 408. Workshop in Music History. 1-3 Credits.
Participation-oriented workshops designed to meet specific needs in music history and to develop skills for practical application in teaching and professional settings.
Repeatable for Credit.

MHW 409. Workshop in Music History. 1-3 Credits.
Participation-oriented workshops designed to meet specific needs in music history and to develop skills for practical application in teaching and professional settings.
Repeatable for Credit.

MMU

MMU 699. Thesis. 3 Credits.
Thesis in Music History, Theory, or Composition.

MTC

MTC Q14. Basic Ear Training and Sight Singing. 2 Credits.
A preparatory course for music majors emphasizing basic aural perception and sight-singing skills needed for effective music study. A final grade of C or better is a prerequisite for taking MTC 114. Please note: This is a developmental course and the credits do not count towards degree completion.
Typically offered in Fall.

MTC 101. Music Matters. 3 Credits.
Why is music one of the few cross-cultural universals? Why don’t other species have music? This course considers why we invest so much time and money in creating and listening to music by exploring specific topics such as psychoacoustics, emotional responses to music, creativity, how music reflects and influences culture, music’s role in shaping personal identity, how music contributes to movies, and music’s potential as a therapeutic agent. We will listen to a diverse array of music ranging from Bach to the Beatles, to jazz, to music from India, Cuba, and other cultures around the world.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Spring.

MTC 110. Making Music. 3 Credits.
A study of basic elements of music for those without previous musical experience. For nonmusic majors only.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Fall.
MTC 111. The Developing Musician. 3 Credits.
A continuation of MTC 110, this course further explores music fundamentals, focusing on refining listening skills, examining creative approaches, and investigating diverse musical forms.
Pre / Co requisites: MTC 111 requires prerequisite of MTC 110.
Typically offered in Spring.

MTC 112. Theory of Music I. 3 Credits.
Introduction to music theory, the materials of music. Analysis and creative activity.
Typically offered in Fall & Spring.

MTC 113. Theory of Music II. 3 Credits.
Form; motive; cadence; phrase; melody. Analysis and creative activity.
Typically offered in Fall & Spring.

MTC 114. Aural Activities I. 2 Credits.
Development of basic hearing skills, chiefly through sight singing and dictation activities based on the subject matter of MTC 112.
Pre / Co requisites: MTC 114 requires co-requisite of MTC 112.
Typically offered in Fall & Spring.

MTC 115. Aural Activities II. 2 Credits.
Continued development of basic hearing skills.
Pre / Co requisites: MTC 115 requires prerequisites of MTC 112 and MTC 114.
Typically offered in Fall & Spring.

MTC 171. Popular Music Songwriting. 3 Credits.
Analysis and composition of recent popular music.
Pre / Co requisites: MTC 171 requires a prerequisite of MTC 110 or MTC 112.
Typically offered in Fall & Spring.

MTC 212. Theory of Music III. 3 Credits.
Harmony and counterpoint; dissonance; voice motion; harmonic progression; modulation; texture. Analysis and creative activity. PREREQ: MTC113, with a grade of C- or better.
Pre / Co requisites: MTC 212 requires a prerequisite of MTC 113.
Typically offered in Fall & Spring.

MTC 213. Theory of Music IV. 3 Credits.
In depth analysis of specific styles, genres, and forms; compositional style studies.
Pre / Co requisites: MTC 213 requires a prerequisite of MTC 212.
Typically offered in Fall & Spring.

MTC 214. Aural Activities III. 2 Credits.
Material of advanced difficulty involving chromatic alteration, foreign modulation, and intricate rhythms.
Pre / Co requisites: MTC 214 requires prerequisite of MTC 113 and MTC 115.
Typically offered in Fall & Spring.

MTC 215. Aural Activities IV. 2 Credits.
Continuation of MTC 214 and activities involving nontonal music.
Pre / Co requisites: MTC 215 requires prerequisites of MTC 212 and MTC 214.
Typically offered in Fall & Spring.

MTC 271. Scoring for Film and Media. 3 Credits.
Techniques used in composing, orchestrating, mixing, and recording music for the film, video and television industry. Use of sequencing software and sample libraries to write production-quality cues synchronized to film and video clips.
Pre / Co requisites: MTC 271 requires a prerequisite of MTC 110 or MTC 112.
Typically offered in Fall & Spring.

MTC 272. Studio Production. 3 Credits.
This class focuses on the techniques of music production in a studio setting. Students learn the basics of recording, editing, mixing, and mastering in a digital audio workstation.
Pre / Co requisites: MTC 272 requires a prerequisite of MTC 110 or MTC 112.
Typically offered in Fall.

MTC 273. Computer Music. 3 Credits.
Pre / Co requisites: MTC 273 requires a prerequisite of MTC 110 or MTC 112.
Typically offered in Spring.

MTC 312. Composition I. 3 Credits.
Creative writing in the forms, styles, and media best suited to the capabilities and needs of the student.
Pre / Co requisites: MTC 312 requires a prerequisite of MTC 112.
Typically offered in Fall & Spring.

MTC 313. Composition II. 3 Credits.
Further application of MTC 312, stressing contemporary techniques.
Pre / Co requisites: MTC 313 requires prerequisite of MTC 312.
Typically offered in Fall & Spring.

MTC 341. Orchestration. 3 Credits.
The orchestra; use of instruments individually and in combination.
Pre / Co requisites: MTC 341 requires a prerequisite of MTC 212.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall.

MTC 342. Music Analysis. 3 Credits.
An overview of major trends in music analysis applied to a variety of musical styles. Addresses how analysis informs composition, performance, scholarship and pedagogy.
Pre / Co requisites: MTC 342 requires a prerequisite of MTC 212.

MTC 344. 16th Century Counterpoint. 3 Credits.
The contrapuntal techniques of tonal music. Chorale prelude and invention.
Pre / Co requisites: MTC 344 requires prerequisite of MTC 212.
Typically offered in Fall.

MTC 345. 18th Century Counterpoint. 3 Credits.
Advanced contrapuntal forms including canon and fugue.
Pre / Co requisites: MTC 345 requires prerequisite of MTC 212.
Typically offered in Spring.

MTC 361. Jazz Harmony and Arranging I. 3 Credits.
A basic course in jazz/popular harmony and arranging techniques, including contemporary chord symbols and terminology, and basic voicing for brass, reed, and rhythm sections. Typically offered in Fall.

MTC 362. Jazz Harmony and Arranging II. 3 Credits.
An intermediate course in jazz/popular harmony and arranging techniques, including more advanced harmonic techniques. Writing for strings, woodwinds, and electronic instruments is introduced. Typically offered in Spring.

MTC 364. Performance Practices in Contemporary Music. 3 Credits.
Technical problems of understanding new notation (e.g., graphic, proportional, multiphonics, microtones, metric modulation, asymmetrical rhythm groupings, prose scores, etc.) and facility in performing scores that include these techniques.
Pre / Co requisites: MTC 364 requires prerequisite of MTC 213.

MTC 412. Composition III. 3 Credits.
Private composition instruction for composition majors.
Pre / Co requisites: MTC 412 requires prerequisite of MTC 313.
Typically offered in Fall & Spring.

MTC 413. Composition IV. 3 Credits.
Advanced composition involving major projects in a contemporary idiom.
Pre / Co requisites: MTC 413 requires prerequisite of MTC 412.
Typically offered in Fall & Spring.

MTC 418. Composition V. 3 Credits.
Advanced composition lessons for theory/composition majors.
Pre / Co requisites: MTC 418 requires a prerequisite of MTC 413.
Typically offered in Fall & Spring.

MTC 479. Music Theory/Composition Seminar. 1-3 Credits.
Special topics seminar designed to meet specific needs of undergraduate music majors. Repeatable for Credit.

MTC 481. Independent Study. 1 Credit.
Contact department for more information about this course.
Repeatable for Credit.

MTC 485. Senior Thesis I. 3 Credits.
Private instruction and preparation of music theory senior thesis.
Typically offered in Fall & Spring.
BACHELOR OF MUSIC WITH A CONCENTRATION IN COMPOSITION

School of Music

Curriculum

The B.M. with a Concentration in Composition offers extensive training to develop analytical skills leading to the comprehension of the structure and form of music of all styles and periods, and to develop creative skills enabling the student to write in a contemporary idiom and to develop an individual style.

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

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<thead>
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<td>Humanities requirements</td>
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<td>Arts requirement</td>
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MUS 199. Transfer Credits. 1-10 Credits.
Transfer Credits.
Repeatable for Credit.

MWS 436. Synthesizer Workshop: Contemp Applicatns. 3 Credits.
Contact department for more information about this course.

MWS 536. Contemp Apps Of Keyboard Synthesizers. 3 Credits.
A hands-on workshop involving programming techniques for synthesizers and the study of MIDI networks. Performance and composition will be emphasized.

BACHELOR OF MUSIC WITH A CONCENTRATION IN COMPOSITION

School of Music

Curriculum

The B.M. with a Concentration in Composition offers extensive training to develop analytical skills leading to the comprehension of the structure and form of music of all styles and periods, and to develop creative skills enabling the student to write in a contemporary idiom and to develop an individual style.

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

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<td>Arts requirement</td>
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</table>
Diverse Communities requirement 3
Interdisciplinary requirement 3
Student Electives 9
Writing Emphasis requirements 9
**Required Music History Courses** 9
MHL 210  Music History I 1 3
MHL 211  Music History II 1 3
MHL 212  Music History III 1 3
**Required Music Theory Courses** 23
MTC 112  Theory of Music I 1 3
MTC 113  Theory of Music II 1 3
MTC 114  Aural Activities I 1 2
MTC 115  Aural Activities II 1 2
MTC 212  Theory of Music III 3
MTC 213  Theory of Music IV 3
MTC 214  Aural Activities III 2
MTC 215  Aural Activities IV 2
MTC 342  Music Analysis 3
**Required Composition Courses** 15
MTC 273  Computer Music 3
MTC 312  Composition I 3
MTC 313  Composition II 3
MTC 341  Orchestration 3
MTC 344  16th Century Counterpoint 3
  or MTC 345  18th Century Counterpoint 3
**Recommended Composition Courses**
MTC 412  Composition III 3
MTC 413  Composition IV 3
MTC 418  Composition V 3
**Senior Project**
MTC 487  Senior Recital Preparation I 3
MTC 488  Senior Recital Preparation II 3
**Major Lessons** 12
**Major Ensembles** 4-8
**Piano** 3
**Conducting** 2
VOC 311  Choral Conducting I 2
  or AIC 311  Instrumental Conducting I 2
**Music Electives** 4
**Recital Attendance**
**Total Minimum Credits Required** 120

1 Minimum grade of C- required.

**Sample Course Plan**

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

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<thead>
<tr>
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<tr>
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<tr>
<td><strong>Semester One</strong></td>
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<td>MTC 112</td>
<td>Theory of Music I 1</td>
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<tr>
<td>MTC 114</td>
<td>Aural Activities I 1</td>
<td>2</td>
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<td>Major Lessons - ___ 171</td>
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<td>1.5</td>
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<tr>
<td>Major Ensemble</td>
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<td>PIA 191</td>
<td>Piano Class (Minor)</td>
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<td>WRT 120</td>
<td>Effective Writing I (General Education Course)</td>
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<td>General Education Course 2</td>
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<td>General Education Course 2</td>
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<td>3</td>
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<tr>
<td>Recital Attendance</td>
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**Year Two**

**Semester Three**
MTC 212  Theory of Music III 3
MTC 214  Aural Activities III 2
MTC 313  Composition II 3
MHL 210  Music History I 1 3
Major Lessons - ___ 271 1.5
Major Ensemble 0.5
PIA 291  Piano class 1
General Education Course 2 3
Recital Attendance

**Year Three**

**Semester Four**
MTC 213  Theory of Music IV 3
MTC 215  Aural Activities IV 2
MTC 273  Computer Music 2
MTC 412  Composition III (suggested) 3
MHL 211  Music History II 1 3
Major Lessons - ___ 272 1.5
Major Ensemble 0.5
PIA 292  Piano Class 3 1
Recital Attendance

**Year Four**

**Semester Five**
MTC 341  Orchestration (fall only) 2 3
MTC 413  Composition IV (suggested) 3
16th C. Counterpoint or Music Analysis - MTC - ___ 1,2,3 3
MHL 212  Music History III 3
Major Lessons - ___ 371 1.5
Major Ensemble 0.5
Music Electives(s) 1
Recital Attendance

**Year Five**

**Semester Six**
MTC 415  18th Century Counterpoint 2 3
MTC 418  Composition V (suggested) 3
Major Lessons - ___ 372 1.5

**Sample Course Plan**

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<td><strong>Year One</strong></td>
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<tr>
<td><strong>Semester One</strong></td>
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</tr>
<tr>
<td>MTC 112</td>
<td>Theory of Music I 1</td>
<td>3</td>
</tr>
<tr>
<td>MTC 114</td>
<td>Aural Activities I 1</td>
<td>2</td>
</tr>
<tr>
<td>Major Lessons - ___ 171</td>
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<td>1.5</td>
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<tr>
<td>Major Ensemble</td>
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<td>0.5</td>
</tr>
</tbody>
</table>

1 Minimum grade of C- required.
BACHELOR OF MUSIC WITH A CONCENTRATION IN HISTORY

**Curriculum**

The B.M. with a Concentration in History offers intensive training in the materials and methods of music history, including the literature, genres, forms, styles, and technical vocabulary of Western art music, the development of musical style within a broader humanistic and cultural context, aural and written analysis of musical form and style, and advanced research tools of music history, leading to completion of a significant project of independent research.

**General Education Requirements** (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

<table>
<thead>
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<th>Requirement</th>
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<td>Public Speaking Requirement</td>
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<td>Behavioral &amp; Social Science requirements</td>
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<td>Humanities requirements</td>
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<td>Student Electives</td>
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<tr>
<td>Writing Emphasis requirements</td>
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**Required Music History Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MHL 210</td>
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<td>MHL 211</td>
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**Required Theory/Composition Courses**

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<th>Title</th>
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<td>Theory of Music I</td>
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<td>MTC 113</td>
<td>Theory of Music II</td>
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<td>MTC 114</td>
<td>Aural Activities I</td>
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<td>MTC 115</td>
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<td>MTC 212</td>
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<td>MTC 215</td>
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<td>2</td>
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<tr>
<td>MTC 342</td>
<td>Music Analysis</td>
<td>3</td>
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</table>

**Sample Course Plan**

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

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<th>Year One</th>
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<td>MTC 114</td>
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<td>Major Lessons - ____ 171</td>
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<tr>
<td>MHL 310</td>
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<tr>
<td>PIA 191</td>
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<tr>
<td>WRT 120</td>
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<td>General Education Course (Math)</td>
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<td>General Education Course</td>
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<td>Recital Attendance</td>
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<table>
<thead>
<tr>
<th>Year Two</th>
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<tbody>
<tr>
<td><strong>Semester Three</strong></td>
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<td>MHL 211</td>
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<td>Major Lessons - ____ 271</td>
</tr>
<tr>
<td>Major Ensemble</td>
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<tr>
<td>PIA 291</td>
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</table>
### BACHELOR OF MUSIC WITH A CONCENTRATION IN THEORY

#### School of Music

#### Curriculum

**General Education Requirements** ([http://catalog.wcupa.edu/undergraduate/general-education-requirements](http://catalog.wcupa.edu/undergraduate/general-education-requirements))

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<tr>
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<td>Humanities Requirements</td>
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<td>Arts Requirement</td>
<td>3</td>
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<tr>
<td>Diverse Communities Requirement</td>
<td>3</td>
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<td>Interdisciplinary Requirement</td>
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<td>Student Electives</td>
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**Required Theory/Composition Courses**

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<td>MTC 342</td>
<td>Music Analysis</td>
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<tr>
<td>MTC 479</td>
<td>Music Theory/Composition Seminar</td>
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**Upper-Level Music Theory Electives**

Choose 6 credits from the following courses:

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<td>MTC 345</td>
<td>18th Century Counterpoint</td>
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<tr>
<td>MTC 479</td>
<td>Music Theory/Composition Seminar</td>
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**Senior Project**

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<td>MTC 486</td>
<td>Senior Thesis II</td>
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**Required Music History Courses**

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<td>Music History II</td>
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</tr>
<tr>
<td>MHL 212</td>
<td>Music History III</td>
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Upper-level music history electives, 9 credits at 300/400/600 level

**Major Lessons**

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**Major Ensembles**

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**Music Electives**

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**Recital Attendance**

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<th>Credits</th>
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**Total Minimum Credits Required**

120 Credits

1 Minimum grade of C- required

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1 Grade of C- or higher required.

2 Course availability varies; may be interchanged with another.

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**Sample Course Plan**

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The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

**BACHELOR OF MUSIC WITH ELECTIVE STUDIES IN AN OUTSIDE FIELD**

**School of Music**

**Curriculum**

The B.M. in Music - Elective Studies in an Outside Field is designed for those students who desire a general music program while at the same time pursuing a secondary interest outside of the School of Music. The Handbook for Students in Music - Undergraduate Division should be consulted for the current general and music requirements.

**General Education Requirements** ([http://catalog.wcupa.edu/undergraduate/general-education-requirements](http://catalog.wcupa.edu/undergraduate/general-education-requirements))

- English Composition requirements: 6
- Mathematics requirement: 3
- Public Speaking requirement: 3
- Science requirements: 6
- Behavioral & Social Science requirements: 6
- Humanities requirements: 6
- Arts requirement: 3
- Diverse Communities requirement: 3
- Interdisciplinary requirement: 3
- Student Electives: 9
- Writing Emphasis requirements: 9

**Music History Requirements**

- MHL 210 Music History I: 3
- MHL 211 Music History II: 3
- MHL 212 Music History III: 3

**Theory Requirements**

- MTC 112 Theory of Music I: 3
- MTC 113 Theory of Music II: 3
- MTC 114 Aural Activities I: 2
- MTC 115 Aural Activities II: 2
- MTC 212 Theory of Music III: 3
- MTC 213 Theory of Music IV: 3
- MTC 214 Aural Activities III: 2
- MTC 215 Aural Activities IV: 2

**Recital Attendance**

Required Music Courses

- Applied lessons, conducting, ensemble, music electives: 34

**The Outside Field**

These courses are taken under advisement of the outside field department chairperson. (In most cases, the curriculum for a minor will be used to determine the course work for the outside field.)

**Total Minimum Credits Required** 120

**Sample Course Plan**

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<tr>
<td><strong>Semester One</strong></td>
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<tr>
<td>MTC 112</td>
<td>Theory of Music I</td>
<td>3</td>
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<tr>
<td>MTC 114</td>
<td>Aural Activities I</td>
<td>2</td>
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<tr>
<td>Major Lessons - ___ 171</td>
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<tr>
<td>Major Ensemble</td>
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</tr>
<tr>
<td>PIA 191</td>
<td>Piano Class (Minor)</td>
<td>0.5</td>
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<td>General Education Course (Writing)</td>
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<td>Recital Attendance</td>
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<tr>
<td><strong>Credits</strong></td>
<td></td>
<td>15.5</td>
</tr>
<tr>
<td><strong>Semester Two</strong></td>
<td></td>
<td></td>
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<tr>
<td>MTC 113</td>
<td>Theory of Music II</td>
<td>3</td>
</tr>
<tr>
<td>MTC 115</td>
<td>Aural Activities II</td>
<td>2</td>
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<tr>
<td>Major Lessons - ___ 172</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Major Ensemble</td>
<td></td>
<td>0.5</td>
</tr>
<tr>
<td>PIA 192</td>
<td>Piano Class (Minor)</td>
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<td>General Education Course (2nd Writing)</td>
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<td>General Education Course</td>
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<td><strong>Credits</strong></td>
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<td>16.5</td>
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<tr>
<td><strong>Year Two</strong></td>
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<tr>
<td><strong>Semester Three</strong></td>
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<tr>
<td>MTC 212</td>
<td>Theory of Music III</td>
<td>3</td>
</tr>
<tr>
<td>MTC 214</td>
<td>Aural Activities III</td>
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<td>Music History I</td>
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<tr>
<td><strong>Semester Four</strong></td>
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<td>Theory of Music IV</td>
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<td>MTC 215</td>
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<td>MHL 211</td>
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<td>Major Lessons - ___ 272</td>
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<td>PIA 292</td>
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<td>Outside Field</td>
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<tr>
<td>General Education Course</td>
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<td>MHL 212</td>
<td>Music History III</td>
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<tr>
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<tr>
<td>Conducting I - ___ 311</td>
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<tr>
<td><strong>Credits</strong></td>
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Recital Attendance

Credits 16

Semester Six

Major Lessons - ___ 372 1.5
Major Ensemble 0.5
Music Elective 2 3
Outside Field 2 3
General Education Course 2 3
General Education Courses 2 6
Recital Attendance

Credits 17

Year Four

Semester Seven

Major Lessons - ___ 471 1.5
Major Ensemble 0.5
Music Elective 2 3
Outside Field 2 3
Outside Field 2 3
General Education Courses 2 6

Credits 17

Semester Eight

Major Lessons - ___ 472 1.5
Major Ensemble 0.5
Music Elective 2 3
Outside Field 2 3
Outside Field 2 3
General Education Courses 2 6

Credits 17

Total Credits 131

1 Grade of C- or higher required.
2 Course availability varies; may be interchanged with another course.

MINOR IN MUSIC

School of Music

Curriculum

This program is geared toward liberal arts students with an interest in music. To be enrolled, students must be approved by audition and have the permission of both their major adviser and the School of Music undergraduate coordinator.

Required Courses

MTC 110 Making Music 3
MTC 111 The Developing Musician 3
Select one of the following with permission of the minor adviser or department chair: 3
- MHL 121 Music in Culture and History
- MHL 125 Perspectives in Jazz
- MHL 210 Music History I
- MHL 312 Women in Music
- MHL 325 History of Rock

Chorus, orchestra, or band
ASC 196 Guitar Class 1 0.5
or PIA 181 Class Piano for Non-Music Majors

Music Electives

Any music course, selected under advisement, for which the student meets the prerequisite, including up to four semesters of vocal, keyboard, and/or instrumental studio instruction, by permission of the applied chair. If the student takes the maximum number of private lessons allowable, at least one of the course numbers must be above the beginning level.

Recommended courses:
- MHL 125 Perspectives in Jazz
- MHL 210 Music History I
- MHL 211 Music History II
- MHL 212 Music History III
- MHL 310 Collegium Musicum
- MHL 312 Women in Music
- MHL 325 History of Rock
- MTC 171 Popular Music Songwriting

Total Minimum Credits Required 18

Students who demonstrate the needed facility may be excused from ASC 196 or PIA 181 and must use the credits in the elective category.

MINOR IN MUSIC HISTORY

School of Music

Curriculum

This program is designed primarily for students currently enrolled in a music degree program. Students in other degree programs will be admitted if they qualify. Students must have the permission of both their major adviser and the chairperson of the Department of Music Theory, History, and Composition.

MHL 210 Music History I 3
MHL 211 Music History II 3
MHL 212 Music History III 3
Select 9 semester hours of MHL courses at the 300 or 400 level 9

Total Credits 18

MINOR IN MUSIC PRODUCTION

School of Music

Curriculum

Required Courses

This program is geared toward music majors as well as liberal arts students with an interest in music. To be enrolled, students must have the permission of both their major adviser and the School of Music.

MTC 110 Making Music 3
or MTC 111 Theory of Music I 3
MTC 271 Scoring for Film and Media 3
or MTC 171 Popular Music Songwriting 3
MTC 272 Studio Production 3

Electives

Any music course, selected under advisement, for which the student meets the prerequisite. It is recommended that students take both MTC 271 and MTC 272, using one as a required course and one as an elective. Other recommended electives may include History of Rock, other music history courses, and up to four semesters of vocal, keyboard, or instrumental lessons by permission of the Chair of Applied Music (Dr. Chris Hanning). If a student takes the maximum number of private lessons allowed at least one of the course numbers must be above the beginning level. It is recommended that students enroll in one additional 3-credit theory, history, or composition courses to satisfy this requirement. Recommended electives include:

MTC 171 Popular Music Songwriting 3
or MTC 271 Scoring for Film and Media 3

1 Students who demonstrate the needed facility may be excused from ASC 196 or PIA 181 and must use the credits in the elective category.
The faculty of the Department of Nursing provide a caring and supportive environment while respecting the diversity of the student body and communities which it serves. The University community cultivates and supports faculty/student collaboration and mentoring. The students are treated as individuals with unique qualities and learning needs. Through professional actions, the faculty reflects the department’s philosophy of excellence in nursing practice, creation of evidence-based research, establishing strong interdisciplinary associations, and fostering supportive relationships with colleagues, students, and the community.

The 2008 AACN Essentials document (The Essentials of Baccalaureate Education), the 2011 AACN Essentials document (The Essentials of Master’s Education), and the 2006 AACN Essentials document (The Essentials of Doctoral Education for Advanced Nursing Practice) provide structure for the curriculum content of all programs. The faculty designed all programs to facilitate the students’ abilities to creatively respond to a continuously changing health system. Innovative educational experiences are cooperatively planned to meet the needs of both the students and clients, empowering them in the nursing-client partnership. The interpretation, development, and implementation of ethical evidence-based research are stressed throughout the educational process.

Ethical decision making, accountability, critical thinking, and effective communication skills are emphasized. This is achieved by the application of nursing theory and empirical evidence to professional practice. All programs promote lifelong learning and leadership, and prepare the student for advance professional degrees or post-doctoral studies. (1/2016)

Bachelor of Science in Nursing

The Bachelor of Science in Nursing program is offered by the Department of Nursing, which is an integral part of the College of Health Sciences. The family-centered program is based on the concept that the person is a biopsychosocial being with basic health needs. The Department of Nursing believes that high-quality health care is a basic right of all people and that health care needs can be met through the practice of the professional nurse who has completed a systematic program of courses in the social and natural sciences, humanities, and the nursing major.

Characteristics of the graduate include the following:

1. Evidences a concerned awareness and a sense of responsibility for contemporary health and social issues as these affect diverse populations
2. Provides leadership through professional and civic activities to advocate for the improvement of health care within society
3. Demonstrates accountability and competency in using the nursing process to assist clients at various levels of health in a variety of settings
4. Uses nursing theory and research to support nursing practice
5. Collaborates, coordinates, and consults as a colleague within the interdisciplinary health team in managing client care
6. Characterizes learning as a life-long process

Philadelphia Campus

The RN-to-BSN program is also offered at the Philadelphia campus. Curriculums for programs offered at the alternative PASSHE Center City (http://wcupa.edu/philly) satellite campus in Philadelphia are equivalent to those found on WCU’s main campus. With state-of-the-art classrooms, the Center City location serves the needs of degree completers and/or adult learners who are balancing work and family obligations.
Programs

Majors in Nursing

- B.S. in Nursing (p. 415)
- B.S. in Nursing: Advance-2-BSN (p. 415)
- B.S. in Nursing: RN-to-BSN (p. 415)

Graduate Opportunities

See the graduate catalog for more information on the Nursing programs. (http://catalog.wcupa.edu/graduate/health-sciences/nursing)

Policies

- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

Degree Program for Registered Nurses

The department offers an innovative and flexible program for registered nurses who wish to earn a baccalaureate degree in nursing. The program, which varies in length depending on the number of credits a student transfers in, features one night per week of nursing courses and individualized clinical arrangements, as well as distance education classes. Students receive credit for nursing and other courses as well as an option of a portfolio assessment for clinical experience.

Detailed information about this program may be obtained from the department website, www.wcupa.edu/nursing.

Advance-2-BSN

The department offers an accelerated second degree program. This 17-month intensive program builds upon a student's previous education and enables an individual already with a baccalaureate degree to earn a baccalaureate degree in nursing. Upon successful completion of this program, the student will be eligible to take the National Council Licensure Examination (NCLEX). Detailed information about this program may be obtained from the department website.

Licensing Eligibility in Pennsylvania

In order to be employed in professional nursing in the Commonwealth of Pennsylvania, students must apply for a temporary practice permit through the State Board of Nursing.

Students must meet all program requirements to be eligible for the Professional Nurse Law, felonious acts prohibit licensure in Pennsylvania as indicated by the following:

1. At least ten (10) years have elapsed from the date of the conviction
2. The applicant satisfactorily demonstrates to the board that he has made significant progress in personal rehabilitation since the conviction such that licensure of the applicant should not be expected to create a substantial risk of harm to the health and safety of patients or the public or a substantial risk of further criminal violations
3. The applicant otherwise satisfies the qualifications contained in or authorized by this act

As used in the subsection, the term 'convicted' shall include a judgment, an admission of guilt or a plea of nolo contendere. An applicant’s statement on the application declaring the absence of a conviction shall be deemed satisfactory evidence of the absence of a conviction, unless the Board has some evidence to the contrary.” (Pennsylvania State Board of Nursing, Professional Nurse Law, printed, September 2009)

Admission Criteria for the B.S. in Nursing

Applicants for nursing must have completed work equal to a standard high school course, including a minimum of 16 units: four units of English, three units of social studies, two units of mathematics (one of which must be algebra), and two units of science with a related laboratory course or the equivalent. A combined score of 1250 is expected on the SAT.

Admission Requirements for the RN-to-BSN Program

The RN-to-BSN program is a post-licensure, degree completion program for Registered Nurses seeking a baccalaureate degree. The successful applicant must:

- Have an active Registered Nurse license in at least one state,
- Be a graduate of an NLN or ACEN-accredited associate degree or diploma-granting professional nursing program, and
- Have a cumulative GPA of 2.75 in all college-level coursework.

1 Students in their final semester of an associate’s or diploma program may apply and be offered provisional admission prior to becoming licensed, however students may not start classes in the RN-to-BSN program without an active RN license.

Prerequisite Courses for Admission to the RN-to-BSN Program

Applicants are encouraged to utilize tools provided by the Office of the Registrar at WCU to evaluate their current credits’ eligibility for transfer to West Chester University. These tools can be found on the Registrar’s Office page of the WCU website.

Students must complete the four prerequisite courses prior to enrolling in the first RN-to-BSN course. Students who have not completed the four prerequisite courses may be admitted to the “Pre-BSN” major and will be assigned an academic support counselor to assist the student in selecting course to meet the prerequisite requirements.

All prerequisites are 3-credit courses.

Prerequisite Requirements

- WRT 120
- WRT 200, WRT 204, WRT 205, WRT 206, WRT 208, or WRT 220
- MAT 121
- SPK 208 or SPK 230 or applicable transfer equivalency

After the successful completion of the prerequisites, the student may complete a change of major request through myWCU and will be converted to the RN-to-BSN major and assigned a Nursing Faculty Advisor.

Nursing credits will be evaluated and awarded transfer credit by the WCU Nursing Department Chair on an individual basis or based on any existing articulation agreement between WCU and the pre-licensure nursing program (if applicable).
Academic Promotion Policy
 Failures, D Grades, or NG (No Grade)
 All nursing students who have a grade of D, F, or NG (no grade) in required courses during the freshman and sophomore years must repeat/complete these courses and achieve a satisfactory grade (C or above) before entering the junior-level nursing major courses with the exception of BIO 100 (or 110), BIO 259, BIO 269, and CHE 107/CRL 107, which require the cumulative 2.75 GPA.

A student must achieve a grade of C or better in the nursing major in the junior year for promotion to the senior year and achieve at least a C in the senior year for graduation. Students also must achieve at least a C- in BIO 307 and MAT 121.

If a student must repeat a nursing course, a grade of C or better in both the theory and laboratory (clinical practicum) components must be achieved. The theory and clinical portions of a nursing course must be taken concurrently.

Other policies are explained in detail in the current issue of the department handbook.

Criminal and Pennsylvania Child Abuse History Clearance
 In accordance with Pennsylvania Nursing Law and Child Protective Services Law as an effort to protect client safety and property, students will be required to complete a criminal background check beginning their first-year classes in the fall and again before progressing to NSG 212/NSL 212, NSG 311/NSL 311/NSG 312/NSG 312, and NSG 411/NSL 411/NSG 411/NSL 412. In addition, students will be required to complete Delaware Child and Elder Abuse History Clearance prior to NSG 311/NSL 311/NSG 312/NSG 312.

Transfer Policy
 Transfer students may be accepted into the nursing major each semester. The number accepted each semester is based on the number that the department can accommodate in a sound educational experience.

Students currently enrolled at West Chester University who wish to transfer into the Department of Nursing must attend a transfer information session to begin the process and subsequently submit an application packet to the department. All application procedures must be completed in order for the candidate to be considered for entrance into the nursing major.

All students who wish to transfer into the Department of Nursing must

1. Show evidence of satisfactory completion (70 percent or better) in BIO 100, BIO 110, or BIO 259, CHE 103 and CRL 103, CHE 107 and CRL 107, PSY 100 or SOC 200, and WRT 120;
2. Complete the application form (available from the Department of Nursing);
3. Complete the required essay;
4. Submit one letter of reference from a West Chester University faculty member;
5. Complete an interview with the assistant department chairperson.
6. Students must have a minimum composite 2.75 GPA in the following courses: BIO 100 or BIO 110, BIO 259, BIO 269, CHE 107, CRL 107 in the current issue of the department handbook.

Department Standards
 Special Requirements
 1. Traditional nursing candidates are admitted once a year, in September.
 2. Internal transfer students are admitted once a year, in November.

3. Nursing students are required to supply their own transportation to clinical facilities, as well as to class and lab located in the Exton location.

Insurance
 Students are required to carry liability insurance coverage in the amount of $1,000,000/$3,000,000 during the junior and senior year at a yearly cost of approximately $30. Students also are required to carry health insurance.

Uniforms
 Students are required to wear eggplant uniforms to some of the clinical experiences during the junior and senior years. For community clinical settings, students will be required to purchase a nursing polo shirt to be worn with black or khaki slacks. Uniform policies are presented in detail in the current issue of the department handbook.

CPR Certification
 Students enrolled in nursing courses with a clinical component are required to be currently certified by the American Red Cross or American Heart Association in Healthcare Provider Cardiopulmonary Resuscitation. The CPR course must include resuscitation of children and infants.

Calculations exam
 Competency in calculation of dosages is a prerequisite to NSG/NSL 311/312. The student is required to have attained 100 percent proficiency in calculating dosages as measured by a paper and pencil test. The nursing laboratory coordinator administers the calculations exam in the spring semester immediately prior to enrolling in the clinical courses.

RN Exit Exam
 All senior students must complete the RN Exit Exam prior to graduation. Cost is assumed by the student. The student who does not score 70 on the exit exam and provide documentation of successful completion of a review course will not be approved by the department chair to take the NCLEX/RN exam.

Health Requirements
 Nursing candidates must meet the general health requirements of all students at West Chester University for the freshman and sophomore years. Candidates must meet the following health requirements during the summer prior to the junior year: inoculations against diphtheria, tetanus, measles, mumps, Rubella and Rubeola, poliomyelitis (a series of four), Hepatitis B, varicella, and flu; a complete physical examination, two-step tuberculin skin test (TST) and meningococcal, eye examination, and any other diagnostic tests deemed necessary. Prior to the senior year, students must repeat the TST.

Substance Testing
 Students must have urine drug screening performed at a designated laboratory during the stated testing period before progressing to each of the following courses: NSG/NSL 311/312 and NSG/NSL 411/412 (a total of two tests). Students are responsible for the costs associated with these tests. Students with a positive result will be dismissed from the nursing major. Refusal to be tested will result in dismissal from the nursing major.

Nursing Laboratory
 The Nursing Laboratory in the Exton Nursing Center is available as a resource to help the nursing student in the learning process. There are three sections of the laboratory. One area contains hospital beds, examination tables, and other equipment found in clinical care settings. This area is used for the teaching and learning of nursing skills. The second area is a separate computer laboratory for students to study and review nursing theoretical and clinical skills, and to complete required
computer software programs. The third section is the area designated for clinical simulation.

Every student is required to use the learning laboratory at specified times. In addition, students are expected to spend time using this resource for independent learning based on their individual needs. The laboratory is staffed by a full-time nursing laboratory coordinator who is a registered nurse.

**Faculty**

**Professors**

Charlotte Mackey (cmackey@wcupa.edu) (1998)
B.S.N., Eastern College; M.S.N., D.Ed., Widener University

Cheryl Ann Monturo (cmonturo@wcupa.edu) (2005)
B.S.N., William Paterson University; M.S.N., Ph.D., University of Pennsylvania

**Associate Professors**

Barbara E. Harrison (bharrison@wcupa.edu) (2014)
B.S.N., Stockton State College; M.S.N., University of Texas at Arlington; Ph.D., University of Michigan

Edward Mackey (emackey@wcupa.edu) (2009)
B.S., Eastern College; M.S., St. Joseph's University; M.S.N., West Chester University; Ph.D., Northcentral University

Deborah Ann Mandel (dmandel@wcupa.edu) (2012)
B.S.N., Kean University; M.S.N., University of Pennsylvania; Ph.D., Rutgers University

Christine Moriconi (cmoriconi@wcupa.edu) (2007)
B.S., Boston College; M.A., LaSalle University; M.S.N., Gwynedd-Mercy College; Psy.D., La Salle University

Marcia Welsh (mwelsh@wcupa.edu) (2010)
B.S., B.S.N., West Chester University; M.S.N., University of Pennsylvania; M.J., D.L., Widener University School of Law

**Assistant Professors**

Nancy Barker (nbarker@wcupa.edu) (2016)
B.S.N., Widener University; M.S.N., Drexel University; Ed.D., Immaculata University

Rachel A. Joseph (rjoseph@wcupa.edu) (2013)
B.S., College of Nursing, Trividram; M.S., Wilmington University; Ph.D., Duquesne University

Michelle Kaulback (mkaulback@wcupa.edu) (2017)
R.N., Northeastern Hospital School of Nursing; B.S.N., Temple University; M.S.N., F.N.P.-B.C., Thomas Jefferson University; Ed.D., Immaculata University

Michelle Kensey (mkensey@wcupa.edu) (2016)
B.S.N., Marquette University; M.S.N., University of Pennsylvania

Julie McCullough Nair (jmair@wcupa.edu) (2013)
Assistant Chairperson, Undergraduate Nursing

A.A., Community College of Baltimore County; B.S., M.S.N., West Chester University; Ph.D., Medical University of South Carolina

Carolyn Meehan (cmeehan@wcupa.edu) (2013)
B.S.N., Bloomsburg University; M.S.N., C.R.N.P., University of Pennsylvania; Ph.D., Widener University

Norine Pulliam (npulliam@wcupa.edu) (2016)
B.A.N., M.S.N., West Chester University

John T. Taylor (jtaylor3@wcupa.edu) (2014)
B.S.N., West Virginia University; M.S.N., D.N.P., Chatham University

Michelle L. Tucker (mtrucker@wcupa.edu) (1988)
B.S., Michigan State University; M.S.N., University of Michigan

Danielle Yocom (dycody@wcupa.edu) (2018)
B.S.N., M.S.N., Millersville University

**Instructor**

Donna Bohs (dbohs@wcupa.edu) (2000)
B.S.N., M.Ed., Villanova University

**Courses**

**NSG**

**NSG 101. Introduction to Nursing. 1 Credit.**

This course will introduce the student to knowledge of the nursing process, and the nursing profession. Emphasis is placed on the exploration of the conceptual and philosophical basis of nursing, and the role of critical thinking using the nursing process. This course will identify the relationship of historical events to the application of current nursing practice, and the implication that legal and ethical issues have on the nursing profession. Typically offered in Fall & Spring.

**NSG 109. Health Issues of Women. 3 Credits.**

This course encompasses the needs and concerns of women as consumers in our present health care system. It examines various biological, psychological, and social topics related to women's health care, including medical abuses, sexuality, sex roles, and women's health in the workplace. This course is an enrichment to liberal education, encouraging inquiry into previously neglected areas of women and health. It is offered in the Women's Studies Program and is open to all University students, regardless of major, as an elective.

**Gen Ed Attribute: Diversity Requirement.**

Distance education offering may be available.

**NSG 212. Fundamentals of Nursing Practice. 3 Credits.**

In this course the student will examine various nursing theories and concepts; conceptual frameworks; theories from other disciplines which apply to nursing; nursing history; nursing education; professionalism in nursing; nursing leadership; the nursing process; nursing diagnosis; nursing research; ethical, legal, economic, and political aspects of nursing and current issues in nursing. The student will also study and learn to practice psychosocial and physical assessment skills as well as learning how to do vital sign assessment; provide bedside nursing care, hygiene and comfort; transfer and positioning techniques for clients; and understand and demonstrate competence in the utilization of standard precautions as a health care provider. This course serves as a foundation for all subsequent nursing courses in the upper division.

Pre / Co requisites: NSG 212 requires prerequisites of NSG 101, and a combined GPA of higher than 2.75 in the following courses: BIO 100, BIO 259 and BIO 269, CHE 107 and CRL 107. Typically offered in Spring & Summer.

**NSG 216. Healthy Aging in the New Millenium. 3 Credits.**

The student will have the opportunity to form a relationship with a healthy, elderly individual. Students will utilize communication skills through interaction on a one-to-one basis with senior citizens in a private home setting. Students will become acquainted with the problems of day-to-day living and the crises that face this population along with the adaptive strengths and resources that are an essential part of the healthy older person’s personality.

**NSG 217. Loss and Grieving. 3 Credits.**

Loss, grief, and/or depression are universal experiences. Concrete measures to help oneself and peers better cope with these experiences are presented. Barriers that make providing comfort and support to others difficult or uncomfortable are identified and discussed. Effective measures for talking with and helping those who are grieving, depressed, or suicidal are presented, and each student is assisted to develop his or her own style in comfortably using selected approaches. Classes will be participatory with minimal lecture.

**Pre / Co requisites: NSG 217 prerequisite - Nursing majors only.**

**NSG 218. Concepts in Caring. 3 Credits.**

The emphasis of this course is that caring is a universal concept that can be viewed from many disciplines. Nurses, professionals in the caring business, serve as the guides in a creative journey connecting human caring and the various disciplines.

**Pre / Co requisites: NSG 218 prerequisite - Nursing majors only.**

**NSG 221. Skills for Professional Success. 1 Credit.**

This one-credit elective for level III and IV nursing majors is designed to help students foster clinical judgment skills by focusing on study skills, critical thinking, and test-taking. Emphasis is placed on preparing students with skills that are essential for success on the National Council Licensure Examination for Registered Nurses (NCLEX-RN).

**Pre / Co requisites: Nursing Majors - Undergraduate. Repeatable for Credit.**
NSG 222. Issues Transcultural Health Care Del. 3 Credits.
This is a systems approach to health care delivery. Surveys health needs of diverse U.S. populations using a multidisciplinary approach. Introduces the origin and evolution of sociocultural health beliefs as origin and evolution of sociocultural health beliefs as they impact health behaviors and outcomes of culturally and ethnically diverse individual populations. All concepts will be approached from a business/economics, health and political science perspectives. Promote collaboration among disciplines, to improve health care services for diverse populations.
Gen Ed Attribute: Interdisciplinary Requirement.

NSG 223. Crime Victim Advocacy. 3 Credits.
This course provides introductory training for anyone wishing to work with victims and survivors of sexual assault and other forms of victimization. The course is an excellent basis for those seeking to volunteer or intern with community based agencies specializing in this field.

NSG 224. Domestic Violence Advocacy. 3 Credits.
This course provides introductory training for anyone wishing to work with victims and survivors of family violence. The course is an excellent basis for those seeking to volunteer or intern with community based agencies specializing in this field.

NSG 225. Health and Heredity in Human Caring. 3 Credits.
This course will examine the foundations of Genetics that makes a person unique, why one resembles or differ from their family members, and why some diseases run in families. The Human Genome Project decoded the genetic information in 2003. This genetic ‘instruction manual’ is currently used to understand and treat diseases. The course will examine patterns of inheritance, genetic differences, and disease risks. The course also will focus on application of genetic information in different situations as individuals and families, employment and insurance settings, legal and ethical aspects, genetic counseling and long term care.
Pre / Co requisites: NSG 225 requires a prerequisite of BIO 100.
Distance education offering may be available.
Typically offered in Fall & Summer.

NSG 234. Current Trends in LGBTQA Health. 3 Credits.
This course will expose students to historical, current, and emerging health issues experienced by the lesbian, gay, bisexual, transgender, queer/questioning, and asexual (LGBTQA) communities. This course is rooted in the minority stress approach to health promotion problems amongst the sexual minorities. Introduction to health promotion activities, advocacy, prevention, and community health resources are emphasized. This course is open to all majors.
Gen Ed Attribute: Diversity Requirement.
Typically offered in Spring.

NSG 310. Human Response to Disease. 3 Credits.
Examination of core concepts of alterations of human responses to disease processes at the cellular and systemic level. This course focuses on illness as it affects major body systems. Students will identify and analyze prototypical clinical situations, which will provide a foundation for their nursing practice. This course will link clinical situations to their underlying mechanism of disorder and provide a sound knowledge for the practice of professional nursing.
Pre / Co requisites: Nursing Majors - Undergraduate.

NSG 311. Nursing Care of Women, Infants, & Children. 4 Credits.
The emphasis of this course is the childbearing family and the pediatric patient. Content will focus on prevention of illness and promotion of health by assessment of the health status, appropriate intervention, and evaluation of the health promotion plan. Chronic states as well as acute health conditions will be addressed as well. Content is organized around the concepts of wellness, chronicity and acuity. The nursing process provides the framework for the care to be given in a variety of settings with clients. Associated clinical experiences are provided in agencies where well populations have been identified, as well as acute care population settings. Examples include schools, primary care practices, inpatient settings, and childbirth settings.
Pre / Co requisites: NSG 311 requires a corequisite of NSL 311 and prerequisites of NSG 101; a C or higher in both NSG 212 and NLS 212; and a C- or higher in each of WRT 120, a 200-level WRT course, NTD 303, BIO 204, NSG 310, PSY 100, SOC 200, and PSY 210 or HEA 206.
Distance education offering may be available.
Typically offered in Fall & Spring.

NSG 312. Introduction to Medical Surgical Nursing and Care of the Elder. 5 Credits.
The emphasis of this course is on the assessment, maintenance, and promotion of health of the older adult and introduction to the care of the inpatient. Clients with chronic health problems in both these populations are addressed. Content is organized around the concepts of wellness, chronicity and acuity. The nursing process is used to assist these clients to grow and or adapt through supportive, therapeutic, palliative, and preventive measures.
Pre / Co requisites: NSG 312 requires a corequisite of NSL 312 and prerequisites of NSG 101; a C or higher in both NSG 212 and NLS 212; and a C- or higher in each of WRT 120, a 200-level WRT course, NTD 303, BIO 204, NSG 310, PSY 100, SOC 200, and PSY 210 or HEA 206.
Typically offered in Fall & Spring.

NSG 313. Applied Nursing Research. 3 Credits.
This course is designed to provide students with a thorough understanding of the mechanism by which evidence is developed including the research process, clinical judgment, interprofessional perspectives and patient preference as applied to practice. This course is also a foundation for more complex research applications at the graduate level. Opportunities include development of a literature review, critique of a qualitative and quantitative nursing research study and participating in the conduct of nursing research with a faculty member.
Pre / Co requisites: NSG 313 requires prerequisites of NSG 212, NLS 212, and MAT 121.
Distance education offering may be available.
Typically offered in Fall & Spring.

NSG 316. Coping With Cancer. 3 Credits.
The emphasis of this course is on coping with clients who have cancer. Various physiological and psychosocial effects this disease has on clients and their families will be examined. The course will allow students to explore their own feelings related to cancer and assist them in their contacts with cancer clients. Topics that will be discussed include dealing with loss, pain, pain management, hospice care, and communication with the cancer client. This course is open to all students.

NSG 317. Women's Sex and Sexuality. 3 Credits.
Women, Sex and Sexuality is a writing intensive course examining women’s experience with sex and sexuality from a biopsychosocial perspective. The approach is inclusive of multiple foci including age, race, ethnicity, sexual orientation, (dis)ability and other aspects of human difference. Special attention is paid to women’s sexuality within the context of gender analysis.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

NSG 318. Selected Topics in Nursing. 1-3 Credits.
An in-depth study of selected, current topics relevant to nursing and health care. This course will emphasize the critical analysis of current topics on health care. Each student will develop a commitment to reading and critiquing nursing literature in professional journals as part of the teaching-learning process. Repeatable for Credit.

NSG 320. Care of the Inner Self. 3 Credits.
This course focuses on care of the inner self or spirit. The purpose of the course is to prepare one to understand the inner self and to know how to utilize the power within the self to maintain wellness and prevent illness.

NSG 322. Suggestive Therapeutics for the healthcare Professional. 3 Credits.
This course will provide a practical framework for the healthcare professional to structure suggestions and pattern communication with patients. The most recent innovations and research in the field will be presented and a variety of approaches will be synthesized into a comprehensive approach to the practice of suggestive therapeutics.

NSG 325. Health Teaching & Promotion for the RN. 1 Credit.
This course designed for the RN-BSN student will assist the student to develop educational objectives; apply learning theories for healthcare teaching; identify developmental theories/ stages of the learner; explore the use of technology to meet learning objectives; identify methods to determine healthcare literacy; and evaluate teaching methodology/strategy utilized.
Pre / Co requisites: NSG 325 requires COREQ: NSG/NSL 311.
Distance education offering may be available.

NSG 350. Basic Arrhythmia Interpretation. 1 Credit.
This course presents methods for identification of normal and abnormal cardiac rhythms and rationale for basic treatment of cardiac arrhythmias.
NSG 352. Interpretation of Laboratory Values. 1 Credit.
This course will provide an in-depth study of frequently encountered laboratory findings with an emphasis on the critical analysis of these laboratory results and appropriate follow up. The course will help students to identify and prioritize nursing interventions for the client undergoing laboratory testing to assure quality specimen collection.

NSG 367. Nursing Implications of Drug Interaction. 3 Credits.
The student will be introduced to essential pharmacological principles and concepts. The nursing process will provide the framework by which students will apply theoretical knowledge in BIO 367 to situations in a variety of health care settings.
Pre / Co requisites: NSG 367 requires prerequisite of BIO 269.

NSG 380. Clinical Simulation in Nursing. 3 Credits.
Students will role play a variety of roles during patient care scenarios using SIM-MAN technology. During scenarios students will assess patient condition, critically think through patient care problems, implement nursing interventions, and evaluate patient outcomes. Student will evaluate performance of self and peers during debriefing sessions for continued improvement in problem solving and patient outcomes.

NSG 382. Global Topics in Health Care Delivery: Women, Infants, and Children in South Africa. 3 Credits.
Students will explore core concepts of global health that affect accessing health care in resource-limited settings. The course will evaluate health concerns of South Africa’s women and children throughout maternity, delivery and newborn care systems. The course will include seminar and service-learning components. Seminars will focus on the global health concerns in South African women and children such as expansion of maternity care through Central and State government, the nursing professional role as care attendants and midwives, HIV/AIDS detection and prevention as well as the availability of anti-retrovirus medications to prevent HIV in infants and children. Students will assess the health care needs of a high risk population, develop a plan of action that is concurrent with the strategic plan of the South African government and World Health Organization (WHO), and provide care or an educational program that will address that need. Through this course the students will gain the knowledge, skills and understanding of South African culture that are necessary to make significant contributions to improve the global health of women and their families through nursing.
Pre / Co requisites: NSG 382 requires prerequisites of NSG 212 and NSL 212. Typically offered in Spring.

NSG 401. Issues in Nursing Science. 3 Credits.
This course will explore a variety of approaches to nursing science including grand and middle range theories and their application to nursing practice. Current issues that affect nursing practice will be addressed.
Pre / Co requisites: Nursing Majors - Undergraduate.

NSG 407. Critical Care Practicum. 2 Credits.
The purpose of this course is to provide students who have successfully completed NSG/NSL 312 nursing courses, an opportunity to enhance their knowledge and skills in acute, critical care nursing. This is an off campus course which will allow the student opportunities to demonstrate critical thinking skills in nursing. The students will gain exposure to electrocardiogram interpretation and respiratory ventilator nursing care. The course will also provide an opportunity to learn medications utilized in critical care areas, and to observe the critical care nurse and their responsibilities. This is a clinical elective course and will be limited to 10 students.

NSG 408. Clinical Immersion. 3 Credits.
This course provides student immersion into the profession of nursing. It provides clinically based learning opportunities to deepen the integration of West Chester University’s Department of Nursing program objectives.
Pre / Co requisites: NSG 408 requires prerequisites of (NSG 311 and NSL 311), (NSG 312 and NSL 312), and either (NSG 411 and NSL 411) or (NSG 412 and NSL 412) with at least a B in all of these courses.

NSG 410. Independent Study. 3 Credits.
The student produces an independent, research-oriented project under close faculty advisement on a nursing topic of special interest to the student. Participation in a selected field experience is optional.
Pre / Co requisites: Nursing Majors - Undergraduate. Consent: Permission of the Department required to add. Repeatable for Credit.

NSG 411. Medical Surgical Nursing. 5 Credits.
The emphasis of this course is on the care of persons with acute medical surgical and acute holistic health crises. Concepts of holistic care are highlighted throughout classroom and clinical experiences. The content will focus on the use of the nursing process to assist clients in crisis. Associated clinical experiences are provided in acute care psychiatric inpatient and medical surgical settings.
Pre / Co requisites: NSG 411 requires a corequisite of NSL 411 and prerequisites of NSG 311, NSL 311 and NSG 312, NSL 312 (with at least a C). Typically offered in Fall, Spring & Summer.

NSG 412. Public/Population Health Nursing, Nursing Leadership, & Management. 5 Credits.
The emphasis of this course will be on the use of leadership, management, and public/population health nursing concepts to manage and improve health. Students will collaborate, coordinate, and advocate as they use the nursing process independently and interdependently to as they focus on the complex problems of individuals, families, communities, populations, and systems. Associated clinical experiences are provided in an immersion experience and Community/Public Health settings.
Pre / Co requisites: NSG 412 requires a corequisite of NSL 412 and prerequisites of NSG 311, NSL 311 and NSG 312, NSL 312 (with a grade of C or higher). Distance education offering may be available. Typically offered in Fall & Spring.

NSG 414. Breastfeeding and Human Lactation. 3 Credits.
For students seeking in-depth knowledge about breast-feeding and human lactation. Emphasis is on understanding the physiology of human lactation and the health impact on infants and their mothers. The normal process of breast-feeding will be addressed with exploration of the barriers to breast-feeding as well as the supports available for breast-feeding.

NSG 420. Physical Health Assessment. 3 Credits.
The course combines comprehensive theoretical laboratory experience to enable the nursing student to perform a complete holistic health assessment physical examination of the adult, adolescent, pediatric client. Opportunity is provided to enhance the participant’s ability to collect relevant data via use of appropriate interviewing methods, developmental physical assessment techniques. Emphasis is placed on effective communication techniques essential assessment skills.
Typically offered in Fall & Spring.

NSG 480. Advanced Clinical Simulation in Nursing. 3 Credits.
In this class students will role play a variety of roles during advanced patient care scenarios using SIM-MAN technology. During scenarios students will assess patient condition, critically think through patient care problems, implement nursing interventions, and evaluate patient outcomes in crisis situations. Students will evaluate performance of self and peers during debriefing sessions for continued improvement in problem solving complex patient care situations and evaluate outcomes.

NSL
NSL 212. Health Assessment. 3 Credits.
This course provides the nursing student with skills in physical and psychosocial assessment of adult clients. The course also assists in the development and demonstration of selected skills in vital sign measurement, infection control, basic hygiene and comfort measures and body mechanics.
Pre / Co requisites: NSL 212 requires prerequisites of BIO 100, BIO 259, BIO 269, CHE 107 and CRL 107, and corequisite of NSG 212. Must have composite GPA of 2.75 in these prerequisite courses.
Gen Ed Attribute: Writing Emphasis.

NSL 311. Laboratory. 5 Credits.
Clinical experiences are provided in agencies where relatively well populations have been identified, such as schools, day care centers, senior citizen’s programs and childbirth settings.
Pre / Co requisites: NSL 311 requires prerequisites of BIO 204 and BIO 259 and NTD 303 and NSG 212 and PSY 210 or HEA 206 and a corequisite of NSG 311.
Gen Ed Attribute: Writing Emphasis.
Distance education offering may be available. Typically offered in Fall & Spring.
NSL 312. Laboratory. 5 Credits.
Clinical experience is provided in rehabilitation centers, nursing homes, and acute care settings. These environments provide flexibility for students to implement changes for clients and acquire skills which will be utilized in other nursing courses.
Pre / Co requisites: NSL 312 requires prerequisites: BIO 100, BIO 204, BIO 259, BIO 269, NSL 212, NSL 212, NTD 303, PSY 100, SOC 200; (CHE 103/CRL 103) and (CHE 104/CRL 104) OR (CHE 107/CRL 107); HEA 206 or PSY 210; one of these: WRT 200, WRT 204, WRT 205, WRT 206, WRT 208, WRT 220.
Gen Ed Attribute: Writing Emphasis.

NSL 411. Laboratory. 5 Credits.
The clinical experience is provided in acute care psychiatric in-patient and in medical surgical settings.
Pre / Co requisites: NSL 411 requires prerequisites NSG 311, NSL 311, NSG 312 and NSL 312 and co-requisite of NSG 411.

NSL 412. Laboratory. 5 Credits.
The clinical experience is provided in acute care medical surgical settings and in Community/Public Health settings. The student will have the opportunity to use leadership and systems level skills and to develop interdependency in their nursing practice.
Pre / Co requisites: NSL 412 requires prerequisites of NSG 311, NSL 311, NSL 312 and NSL 312 and co-requisite of NSL 412.

Distance education offering may be available.

B.S. IN NURSING

College of Health Sciences

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
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<tbody>
<tr>
<td>English Composition requirements</td>
<td>6</td>
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<tr>
<td>Mathematics requirement</td>
<td>3</td>
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<tr>
<td>MAT 121 - Introduction to Statistics I</td>
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<tr>
<td>Public Speaking requirement</td>
<td>3</td>
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<tr>
<td>Science requirements</td>
<td>8</td>
</tr>
<tr>
<td>BIO 100 - Basic Biological Science</td>
<td></td>
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<tr>
<td>CHE 107 - General Chemistry for Allied Health Sciences</td>
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<tr>
<td>CRL 107 - General Chemistry Lab for Allied Health Sciences</td>
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<tr>
<td>Behavioral &amp; Social Science requirements</td>
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</tr>
<tr>
<td>PSY 100 - Introduction to Psychology</td>
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<td>SOC 200 - Introduction to Sociology</td>
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<tr>
<td>Arts requirement</td>
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<td>Diverse Communities requirement</td>
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<td>Interdisciplinary requirement</td>
<td>3</td>
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<tr>
<td>Student Electives</td>
<td>6</td>
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<tr>
<td>Writing Emphasis requirements</td>
<td>9</td>
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</tbody>
</table>

Major Requirements

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>NSG 101 - Introduction to Nursing</td>
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<tr>
<td>NSG 212 - Fundamentals of Nursing Practice</td>
<td>3</td>
</tr>
<tr>
<td>NSG 311 - Nursing Care of Women, Infants, &amp; Children</td>
<td>4</td>
</tr>
<tr>
<td>NSL 312 - Introduction to Medical Surgical Nursing and Care of the Elder</td>
<td>5</td>
</tr>
<tr>
<td>NSG 313 - Applied Nursing Research</td>
<td>3</td>
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<tr>
<td>NSG 367 - Nursing Implications of Drug Interaction</td>
<td>3</td>
</tr>
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<td>NSG 411 - Medical Surgical Nursing</td>
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<td>NSG 412 - Public/Population Health Nursing, Nursing Leadership, &amp; Management</td>
<td>5</td>
</tr>
<tr>
<td>NSL 212 - Health Assessment</td>
<td>3</td>
</tr>
<tr>
<td>NSL 311 - Laboratory</td>
<td>5</td>
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<tr>
<td>NSL 312 - Laboratory</td>
<td>5</td>
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</table>

Select two nursing electives

Related Cognate Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>BIO 204 - Introductory Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 259 - Human Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>BIO 269 - Human Anatomy and Physiology II</td>
<td>4</td>
</tr>
</tbody>
</table>

Advance-2-BSN (Accelerated Second-Degree Nursing Program)

The Advance-2-BSN program is for the student with a previously earned baccalaureate degree who wants to earn a Bachelor of Science in Nursing (BSN). Upon successful completion of the program graduates are then eligible to take the NCLEX-RN exam (National Council on Licensure Examination for the RN) for licensure as a Registered Nurse. This intensive 18-month program builds upon the student’s previous education. It follows the same curriculum as the traditional BSN program but at an accelerated pace.

Major Requirements

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</tbody>
</table>
To continue progression in the program, a minimum grade of C or better in all nursing core courses is required.

To enroll in NSG 212 and NSL 212, students will be required to have a minimum cumulative GPA of 2.75 in the following courses: BIO 100, BIO 259, BIO 269, and CHE 107/CRL 107.

Because all students in this track will have a previous baccalaureate degree as a requirement of admission, all general education requirements are waived.

### RN-to-BSN (B.S.N. for Currently Registered Nurses)

The RN-to-BSN curriculum is specially designed for licensed Registered Nurses to earn a Bachelor of Science in Nursing degree. An interested student must currently be a licensed Registered Nurse (or near graduation from an ADN program) to enroll in this program.

#### General Education Requirements

- **English Composition requirements**
- **Mathematics requirement**
- **MAT 121 Introduction to Statistics I**
- **Public Speaking requirement**
- **Science requirements**
- **BIO 100 Basic Biological Science**
- **CHE 107 General Chemistry for Allied Health Sciences**
- **CRL 107 General Chemistry Lab for Allied Health Sciences**
- **Behavioral & Social Science requirements**
- **PSY 100 Introduction to Psychology**
- **SOC 200 Introduction to Sociology**
- **Humanities requirements**
- **Arts requirement**
- **Diverse Communities requirement**
- **Interdisciplinary requirement**
- **Writing Emphasis requirements**
- **Student Electives**

#### Major Requirements

- **NSG 212 Fundamentals of Nursing Practice**
- **NSG 311 Nursing Care of Women, Infants, & Children**
- **NSG 312 Introduction to Medical Surgical Nursing and Care of the Elder**
- **NSG 313 Applied Nursing Research**
- **NSG 325 Health Teaching & Promotion for the RN**
- **NSG 411 Medical Surgical Nursing**
- **NSG 412 Public/Population Health Nursing, Nursing Leadership, & Management**
- **NSL 212 Health Assessment**
- **NSL 311 Laboratory**
- **NSL 312 Laboratory**
- **NSL 411 Laboratory**
- **NSL 412 Laboratory**
- **Select two nursing electives**

#### Related/Cognate Requirements

- **BIO 204 Introductory Microbiology**
- **BIO 259 Human Anatomy and Physiology I**
- **BIO 269 Human Anatomy and Physiology II**
- **HEA 206 Human Development**
- **or PSY 210 Developmental Psychology: Lifespan**

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### Nursing Electives

Students must take enough nursing electives to reach the 120 credits required for graduation.

#### Total Minimum Credits Required

1. To continue progression in the program, a minimum grade of C or better in all nursing core courses is required.
2. To enroll in NSG 212 and NSL 212, students will be required to have a minimum cumulative GPA of 2.75 in the following courses: BIO 100, BIO 259, BIO 269, and CHE 107/CRL 107.
3. Some of these courses may be used to satisfy general education requirements.

### Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

#### Nursing Sequence for Honors Students

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td><strong>Year One</strong></td>
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<tr>
<td>Semester One</td>
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<tr>
<td>HON 100</td>
<td>Self-Awareness and Development</td>
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<tr>
<td>HON 352</td>
<td>Honors Seminar</td>
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<tr>
<td>BIO 100</td>
<td>Basic Biological Science</td>
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<tr>
<td>PSY 100</td>
<td>Introduction to Psychology</td>
<td>3</td>
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<tr>
<td>SOC 200</td>
<td>Introduction to Sociology</td>
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<tr>
<td>Minor elect</td>
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<tr>
<td><strong>Year Two</strong></td>
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<tr>
<td>Semester Two</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HON 211</td>
<td>Decision Making and Public Discourse</td>
<td>3</td>
</tr>
<tr>
<td>HON 212</td>
<td>Ethics and Moral Choice in Tech Age</td>
<td>3</td>
</tr>
<tr>
<td>BIO 259</td>
<td>Human Anatomy and Physiology I</td>
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</tr>
<tr>
<td>CHE 107 &amp; CRL 107</td>
<td>General Chemistry for Allied Health Sciences and General Chemistry Lab for Allied Health Sciences</td>
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<tr>
<td>Minor Elective</td>
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<tr>
<td>HON 314</td>
<td>Science, Technology and Environmental Systems</td>
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<tr>
<td><strong>Year Three</strong></td>
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<tr>
<td>Semester Three</td>
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<tr>
<td>HON 311</td>
<td>Stewardship and Civic Engagement</td>
<td>3</td>
</tr>
<tr>
<td>HON 312</td>
<td>Educational Systems and Social Influence</td>
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<td>BIO 269</td>
<td>Human Anatomy and Physiology II</td>
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<td>NTD 303</td>
<td>Introductory Principles Human Nutrition</td>
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<td>Minor Elective</td>
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<tr>
<td><strong>Year Four</strong></td>
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<tr>
<td>Semester Four</td>
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<tr>
<td>HON 310</td>
<td>Theories and Strategies of Community Change</td>
<td>3</td>
</tr>
</tbody>
</table>

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**Program of Study**

The Bachelor of Science in Nutrition prepares students for careers in dietetics, which include community nutrition, food service management, and clinical nutrition. The program is accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND). Students who complete the program meet the didactic requirements of ACEND but must complete an ACEND-accredited supervised practice following graduation to be eligible to take the registration examination for dietitians. Those who complete the registered dietitian (R.D.) examination successfully are recognized as registered dietitians. Faculty advisors assist students in applying for supervised practices and pursuing other postgraduate avenues.

**Programs**

**Majors in Nutrition**
- B.S. in Nutrition (p. 420)
- B.S. in Nutrition to M.S. in Community Nutrition Accelerated Program (p. 420)

**Minors in Nutrition**
- Nutrition (p. 422)

**Graduate Opportunities**

See the graduate catalog for more information on the Nutrition programs (http://catalog.wcupa.edu/graduate/health-sciences/nutrition).

**Policies**

- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

**Accelerated Program Policy**

Refer to the Accelerated Programs page (p. 129) for more information.

**Faculty**

**Professors**

Jeffrey E. Harris (jharris@wcupa.edu) (1983)
B.A., University of California, San Diego; M.P.H., D.H.Sc., Loma Linda University

Janet Lacey (jlacey@wcupa.edu) (2000)
B.S., Simmons College; M.S., M.Ed., University of Massachusetts; Dr.P.H., University of North Carolina

**Associate Professors**

Mary Beth Gilboy (mgilboy@wcupa.edu) (2007)
B.S., Marywood University; M.P.H., University of North Carolina; Ph.D., Temple University

Christine Karpinski (ckarpinski@wcupa.edu) (2010)
Chairperson, Nutrition
B.S., West Chester University, M.A., Immaculata University; Ph.D., Rutgers University

Sandra Walz (swalz@wcupa.edu) (1997)
B.S., M.S., North Dakota State University; Ph.D., Kansas State University

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**DEPARTMENT OF NUTRITION**

*College of Health Sciences*

222 Sturzebecker Health Sciences Center
610-436-2125
Department of Nutrition (http://www.wcupa.edu/nutritionandDietetics)
Christine Karpinski (ckarpinski@wcupa.edu), Chairperson
Jana Davis (jda...
NTD 205. Principles of Food Selection and Preparation. 3 Credits.
A nutritionally based study of the basic principles of food selection and preparation with an emphasis on food safety. Course includes a comparative study and integration of convenience food and traditionally prepared food, enhanced by an experiential lab component.
Typically offered in Fall, Spring & Summer.

NTD 207. Sustainable Food Systems. 3 Credits.
The primary objective of this course, taught by an anthropologist and a registered dietitian, is to examine the interrelationship of nutrition ecology, anthropology and the political economic underpinnings of sustainable food systems. Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Spring.
Cross listed courses ANT 277, NTD 277.

NTD 300. Nutrition Pedagogy. 3 Credits.
This course provides the knowledge and skills necessary to develop and teach K-12 nutrition education lessons and curricula.
Typically offered in Spring.

NTD 301. Consumer Nutrition. 3 Credits.
Consumer approach to the roles foods and nutrition play in improving the quality of our lives, socially, physically, mentally, and emotionally.
Typically offered in Fall & Spring.

NTD 303. Introductory Principles Human Nutrition. 3 Credits.
This course introduces students to the biochemical, physiological, and microbiological basics of human nutrition. Topics include dietary guidelines; digestion, absorption, metabolism, and use of carbohydrates, lipids, and proteins; food source and functions of vitamins and minerals; and the relationship between nutrition and health. Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

NTD 304. Global Nutrition. 3 Credits.
This course is designed to examine the nature and scope of major nutritional issues and problems throughout the world, with an emphasis on developing countries. It includes consideration of specific nutrient deficiencies, as well as nutrition-related aspects of infectious and chronic disease. The role of food availability, food supply distribution and world food production in relation to nutrition and health will be discussed in the context of socioeconomic development and current economic policies and realities.
Typically offered in Fall & Spring.

NTD 305. Vegetarian Nutrition. 3 Credits.
This course will apply basic human nutrition principles to plant-based dietary approaches, addressing both the health-promoting aspects of vegetarianism and concerns about nutritional adequacy at all stages of the life cycle. A variety of vegetarian food preparation methods will be demonstrated and students will participate in meal planning as well as taste testing recipes.
Pre / Co requisites: NTD 305 requires a prerequisite of NTD 303.
Typically offered in Fall & Spring.

NTD 309. Nutrition Through the Lifecycle. 3 Credits.
A study of nutritional needs and dietary concerns of people from conception to old age.
Pre / Co requisites: NTD 309 requires prerequisite of NTD 303.
Typically offered in Fall & Spring.

NTD 310. Nutrition Research. 3 Credits.
This course focuses on the process of research and statistical analysis and interpretation as it relates to nutrition and diets. Topics such as the foundation and ethics of research, research questions and hypotheses, research design, statistical analysis and interpretation, evidence analysis, systematic reviews, and evidence-based practice will be covered. Practical projects will be assigned, such as article analysis, a small research project, and data analysis using SPSS. Competence in reading, understanding, and analyzing research articles is the main goal of the course.
Pre / Co requisites: NTD 310 requires prerequisite of MAT 121 with a grade of C or better; and NTD 303 with a C or better.
Typically offered in Fall & Spring.

NTD 311. Current Topics in Dietetics. 2 Credits.
This course addresses timely and current topics in dietetics in an evidence-based way. Different topics are covered as they have current relevancy.
Pre / Co requisites: NTD 311 requires a prerequisite of NTD 309.
Repeatable for Credit.
NDT 315. Food - Mind - Spirit. 3 Credits.
A study of the role of food and nutritional status in mental health, mood and memory, and overall well-being throughout the life cycle. Additional topics include nutrients and neurotransmission, appetite regulation and disordered eating, the gut-brain axis, and herbal supplements. Mindful eating, traditional food belief systems, and dietary practices of major religions are also reviewed.
Pre / Co requisites: NTD 315 requires prerequisite of PSY 100 and NTD 303.
Typically offered in Fall & Spring.

NDT 320. Strategies in Dietetics Education. 3 Credits.
Practical study of theories of teaching and learning, health behavior change, program planning, and educational strategies as they relate to the field of dietetics. Presentation preparation and delivery will also be covered.
Pre / Co requisites: NTD 320 requires prerequisite of NTD 309.
Distance education offering may be available.
Typically offered in Fall & Spring.

NDT 325. The Food Chain. 3 Credits.
Students use ecological and systems-based theory to increase understandings of contemporary food systems, food landscapes, and nutrition challenges using the framework of sustainability. The course examines the chain of food production (supply chain), distribution, and consumption in complex conventional food systems, targeting post-harvest aspects of the food system, historical, and socio-cultural factors that drive human nutrition and food behavior. Students explore multiple levels of local and global food systems, including globalization and labor markets with a focus on practices that promote health, food security, and environmental sustainability within community food systems. Students also investigate alternatives to conventional food systems such as food cooperatives, community supported agriculture, agroecology, artisan farms, and organic food in the context of food management. Students will reflect and deepen their understanding of the role of businesses, consumers, and food and nutrition professionals in contemporary food systems, and apply what they learn to food, nutrition, and environmental challenges.
Typically offered in Fall & Spring.

NDT 333. Nutrition: East Meets West. 3 Credits.
This course explores the relationships among nutrition, body types, and well-being. Because each individual’s journey toward optimum health is unique, the course takes a personalized and integrated food-is-medicine approach to wellness. Ancient eastern and modern western sciences, health promotion, and therapies are blended. Foods, herbs, spices, and affirmative ways of living to restore balance and harmony to the body are emphasized.
Typically offered in Fall, Spring & Summer.

NDT 400. Clinical Nutrition Assessment. 3 Credits.
The goal of this class is for the student to understand the profession and practice of nutrition and dietetics, nutrition and physical assessment and the nutrition care process. Classroom and simulated experiences in clinical issues, nutritional assessment, planning, implementing nutritional care, and documenting in medical records will be completed. Students will also be introduced to medical terminology and abbreviations. Nutritional assessment methods will be applied to evaluating nutritional status in the individual.
Pre / Co requisites: NTD 400 requires prerequisites of NTD 309, BIO 269, and CHE 310.
Typically offered in Fall & Spring.

NDT 404. Nutrition and Disease Prevention. 3 Credits.
This course is a required course in the “Lifestyle Nutrition” concentration. It examines nutrition screening and assessment techniques to understand the use of dietary, biochemical and anthropometric data related to health and disease prevention. The pathophysiology, etiology and prevention of certain medical conditions such as obesity, diabetes, gastrointestinal problems, cardiovascular disease, bone disease and cancer will be examined. Other topics examined include nutrients and medication interactions and dietary supplements.
Pre / Co requisites: NTD 404 requires a prerequisite of NTD 309.
Typically offered in Fall & Spring.

NDT 408. Food Science. 3 Credits.
A study of the chemical, physical, and biological characteristics of food and the effects of processing, storage, and preservation on the structure, composition, palatability, and nutritive value of food. Sensory evaluation techniques and application of the scientific method are integral to this course.
Pre / Co requisites: NTD 408 requires prerequisites of CO or better in CHE 310 and NTD 205 and NTD 303.
Typically offered in Fall & Spring.

NDT 409. Professional Skills in Dietetics. 3 Credits.
A focus on the development of nutrition counseling and communication/media technology skills. An appreciation of multiculturalism will be promoted. A familiarization with dietetics-related professional organizations, graduate school opportunities, and dietetic internships will be provided. Assistance with the dietetic internship and graduate school application process will be given.
Pre / Co requisites: NTD 409 requires prerequisite NTD 309.
Gen Ed Attribute: Writing Emphasis.
Distance education offering may be available.
Typically offered in Fall.

NDT 410. Quantity Food Production. 3 Credits.
A basic course in quantity food production. Emphasis is placed on the essentials of operating a foodservice facility - menu planning, purchasing, storage, issuing, food production, service, distribution, quality control, and food safety.
Pre / Co requisites: NTD 410 requires a prerequisite of NTD 205.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

NDT 411. Advanced Human Nutrition I. 3 Credits.
In-depth examination of the digestion, transport, and metabolism of carbohydrates, lipids, and proteins. Special emphasis is placed on metabolic interrelationships and hormonal control of the three processes mentioned above.
Pre / Co requisites: NTD 411 requires prerequisites of a CO or better in BIO 100, BIO 259 and BIO 269; and a CO or better in CHE 230, CHE 310, and NTD 309.
Typically offered in Fall & Spring.

NDT 412. Advanced Human Nutrition II. 3 Credits.
In-depth examination of the digestion, transport, and metabolism of vitamins, minerals, and water. Special emphasis is placed on digestive and metabolic interrelationships and hormonal control.
Pre / Co requisites: NTD 412 requires a prerequisite or co-requisite of NTD 411.
Distance education offering may be available.
Typically offered in Fall & Spring.

NDT 413. Medical Nutrition Therapy I. 3 Credits.
The goal of NTD 413, Medical Nutrition Therapy I, is for the student to understand the nutrition care process as it applies to disease management, develop a variety of disease specific case studies, and the process for determining the appropriate disease or health condition specific nutrition intervention. Students are expected to integrate nutritional assessment information, drug-nutrient interaction data, disease pathophysiology, and Medical Nutrition Therapy principles to design nutrition care plans and applying disease specific medical terminology and abbreviations.
Pre / Co requisites: NTD 413 requires prerequisites of NTD 400 and NTD 412.
Typically offered in Fall.

NDT 414. Medical Nutrition Therapy II. 3 Credits.
The goal of NTD 414 Medical Nutrition Therapy II, is for the student to apply the nutrition care process and MNT principles to critical and acute disease management including fluid/electrolyte/acid-base balance, nutrition support, nutritional therapy in critical care, oncology, pulmonary diseases and muscular skeletal, immunological diseases. The student will develop a variety of disease specific case studies and nutrition interventions. Students are expected to integrate nutritional assessment information; drug-nutrient interaction data, disease pathophysiology, and Medical Nutrition Therapy principles to design nutrition care plan and apply medical terminology and abbreviations.
Pre / Co requisites: NTD 414 requires a prerequisite of NTD 413.
Typically offered in Spring.

NDT 415. Community Nutrition. 3 Credits.
A study of the community nutrition programs and services at all levels of development. Course covers nutrition program planning, implementation, and evaluation; socioeconomic and cultural context of programs and services; an examination of the political and legislative process as it relates to nutrition legislation; and the role of the community nutritionist.
Pre / Co requisites: NTD 415 requires a prerequisite of NTD 309.
Typically offered in Fall & Spring.
NDT 416. Food Service and Nutrition Systems Management I. 3 Credits.
A study of the organization and administration of foodservice systems and the functions and responsibilities specific to management: decision making, planning, organizing, and staffing. Management of human resources, food, materials, capital, facilities, and markets as related to various hospitality management systems will be examined.
Pre / Co requisites: NTD 416 requires prerequisite of NTD 410.
Distance education offering may be available.
Typically offered in Fall.

NDT 417. Food Service and Nutrition Systems Management II. 3 Credits.
A study of the organization and administration of foodservice and nutrition systems as well as the functions and responsibilities specific to management; leading, controlling operations, budgeting, and marketing. Management of human resources, food, materials, capital, facilities, and markets as related to various hospitality systems will be examined.
Pre / Co requisites: NTD 417 requires a prerequisite of NTD 410.
Distance education offering may be available.
Typically offered in Spring.

NDT 420. Perspectives on Obesity. 3 Credits.
This course explores the prevalence, origins, assessment, treatments, policy issues, and preventive strategies relative to obesity. The issue disordered eating is introduced with a special emphasis on Binge Eating Disorder.
Pre / Co requisites: NTD 420 requires a prerequisite of NTD 303.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

NDT 422. Nutrition for Health, Fitness & Sport. 3 Credits.
This course encompasses nutrition and its effects on health and athletic performance, including sound nutrition guidelines for optimal health and physical performance; energy needs and energy pathways as keys to physical activity; macro and micronutrients relative to health and physical performance; ergogenic aids; hydration; and body composition and weight management.
Pre / Co requisites: NTD 422 requires a prerequisite of NTD 303.
Typically offered in Fall, Spring & Summer.

NDT 425. Entrepreneurial Sustainable Food and Nutrition Management. 3 Credits.
The course applies entrepreneurial thinking to different foodservice and nutrition business models and how they innovate and take risks to introduce new products and services. With the triple bottom-line in mind, the course examines perspectives through social, environmental, and financial frameworks. Students will explore case studies to analyze the correlation between the food and nutrition business in society and the financial impact to the environment. Students will also learn ways sustainable entrepreneurship can minimize the strain on fossil fuels and natural resources, and social entrepreneurship can meet social challenges. Students will analyze the main characteristics of entrepreneurs, notably their ability to imagine changes that will impact the foodservice industry. This course will engage students through lectures, experiential learning opportunities, guest speakers, case studies, readings, individual, and group collaboration. Topics explored will include current trends in the marketplace, analyzing the industry employing the Gaps Model, creating business models, and products and service development. Students will also learn about and utilize Social Media as future entrepreneurs and managing sustainability. Students will include a Social Media component in their business plan.
Pre / Co requisites: NTD 425 requires prerequisites of MGT 200 and NTD 410.
Typically offered in Fall & Spring.

NDT 426. Farm to Table Food Product Development. 3 Credits.
This course combines laboratory experiments and lecture activities to apply the principles of food safety and food preservation to add value to, and preserve, fresh local food products. Students will gain an understanding of sustainable food production and food preservation techniques. They will learn how to apply these principles to safely preserve food by low-pressure canning, pressure canning, pickling, freezing, dehydration, and other traditional and novel techniques. Additionally, students will utilize their knowledge and skills to apply sustainability in developing food products for consumer acceptability, regulatory compliance, acceptable sensory characteristics, nutritional qualities, and marketability.
Pre / Co requisites: NTD 426 requires prerequisites of CHE 107 and NTD 205.
Typically offered in Fall & Spring.

NDT 435. Nutrition Workshops. 3 Credits.
Special workshops on contemporary nutrition and food service related problems and issues. Topics announced at times of offering.
Typically offered in Fall, Spring & Summer.
Repeatable for Credit.

NDT 444. Lifestyle Nutrition Practicum. 3 Credits.
This course is a required course in the “Lifestyle Nutrition” concentration. It is a writing intensive capstone course and should be taken senior year. This course aims to provide students with the oral, written and technical skills necessary for effective client and public education. Specifically, practical experience in the classroom and in the field will help the student focus on improving skills in client interviewing and counseling, writing for the lay public, and in designing and delivering a presentation to an audience.
Pre / Co requisites: NTD 444 requires a prerequisite of NTD 309 and NTD 404.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

NDT 450. Field to Fork Events. 4 Credits.
In this capstone course, students learn about food system issues with a focus on local food systems. Students engage with industry experts in sustainability, event planning, fundraising, urban farming, and marketing and advertising. The class works with two local organizations to plan a fundraising event: one that is a nonprofit organization that targets food system issues such as hunger and food insecurity; and another organization that is a local food producer (e.g., artisan farm in the Brandywine region). The event raises funds to address local food system issues while marketing and promoting local food products and local food distribution systems. Students learn elements of event planning, budgeting, organizing, human resource management, production management, and marketing. These food management skills are learned in the context of promoting values for local economies, community, fair food systems, sustainability, and the environment. Through experiential learning, students gain knowledge of planning, organizing, and executing a sustainable foods event.
Pre / Co requisites: NTD 450 requires prerequisites of NTD 325, NTD 416, MGT 200, and MKT 250.
Typically offered in Fall & Spring.

NDT 455. Nutrition Assessment, Education and Service in Honduras. 3 Credits.
This course offers an interprofessional service-learning approach to clinical screenings and assessments, client/community education, and health related service in communities in underdeveloped or developing countries. Students gain exposure to the cultures of underdeveloped or developing countries. Students gain exposure to the cultures of communities in underdeveloped or developing countries, thus enhancing the students’ cultural competence.
Pre / Co requisites: NTD 455 requires a prerequisite of NTD 303.
Consent: Permission of the Department required to add.
Typically offered in Fall & Spring.

B.S. IN NUTRITION

College of Health Sciences

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

- English Composition requirements: 6
- Mathematics requirement: 3
- Public Speaking requirement: 3
- Science requirements: 6
- Behavioral & Social Science requirements: 6
- Humanities requirements: 6
- Arts requirement: 3
- Diverse Communities requirement: 3
- Interdisciplinary requirement: 3
- Student Electives: 9
- Writing Emphasis requirements: 9

Courses selected under advisement. Note that many of the general education courses will be fulfilled by the required cognates. Students are encouraged to schedule courses that fulfill both the interdisciplinary and writing emphasis requirements simultaneously or to schedule arts and/or humanities courses that simultaneously fulfill their writing emphasis requirement.

Common Major NTD Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NTD 200</td>
<td>Nutrition and Culture</td>
<td>3</td>
</tr>
<tr>
<td>NTD 203</td>
<td>The Dietetic Profession</td>
<td>1</td>
</tr>
<tr>
<td>NTD 205</td>
<td>Principles of Food Selection and Preparation</td>
<td>3</td>
</tr>
<tr>
<td>NTD 303</td>
<td>Introductory Principles Human Nutrition</td>
<td>3</td>
</tr>
</tbody>
</table>
NTRD 309  Nutrition Throughout the Lifecycle  3
NTRD 310  Nutrition Research  3
NTRD 410  Quantity Food Production  3

Common Cognate Requirements
BIO 100  Basic Biological Science  3
BIO 269  Human Anatomy and Physiology II  4
BIO 259  Human Anatomy and Physiology I  4
CHE 107  General Chemistry for Allied Health Sciences  4
CHE 230  General Chemistry Lab for Allied Health Sciences  1
MAT 121  Introduction to Statistics I  3

Concentration Requirements
Students must take the required courses in their concentration to reach the 120 credits required for graduation.

Total Minimum Credits Required  120

Dietetics Concentration

Dietetics Concentration Required Courses
NTRD 320  Strategies in Dietetics Education  3
NTRD 400  Clinical Nutrition Assessment  3
NTRD 408  Food Science  3
NTRD 409  Professional Skills in Dietetics  3
NTRD 411  Advanced Human Nutrition I  3
NTRD 412  Advanced Human Nutrition II  3
NTRD 413  Medical Nutrition Therapy I  3
NTRD 414  Medical Nutrition Therapy II  3
NTRD 415  Community Nutrition  3
NTRD 416  Food Service and Nutrition Systems Management I  3
NTRD 417  Food Service and Nutrition Systems Management II  3

Dietetics Concentration Cognate Courses
BIO 204  Introductory Microbiology  4
CHE 235  Introduction to Organic and Biological Chemistry  3
CHE 318  Introductory Biochemistry  3
CRL 107  General Chemistry Lab for Allied Health Sciences  1
MAT 121  Introduction to Statistics I  3
NTRD 203  Nutrition and Culture  3

Dietetics Concentration Student Electives  12

Accelerated B.S. in Nutrition to M.S. in Community Nutrition Program
Admission to the Accelerated B.S. in Nutrition and M.S. in Community Nutrition: students must 1) be at least at the junior level, 2) meet the minimum eligibility requirements for admission to the graduate program as specified by the graduate catalog, 3) complete the graduate application, 4) have a minimum cumulative GPA of 3.0, and 5) complete a departmental approval form that includes a recommendation from student’s academic advisor.

Electives  3
NTRD 503  Human Nutrition  3
NTRD 515  Public Health Nutrition  3
NTRD 600  Maternal & Child Nutrition  3
NTRD 612  Nutrition and Human Behavior  3

These 12 elective graduate credits are to be taken during the senior year. Students will take these 12 credits at the graduate level and they will satisfy the requirements of the B.S. degree. These 12 credits are required courses in the 33 credit M.S. in Community Nutrition.

Sample Course Plan
To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

B.S. in Nutrition
120 Semester Hours - excluding examination time, there are 15 weeks in a semester. 1 Credit = 1 didactic hour/week or 2 - 3 laboratory hours/week.

<table>
<thead>
<tr>
<th>Course</th>
<th>Year One</th>
<th>Year Two</th>
<th>Year Three</th>
<th>Year Four</th>
</tr>
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<tbody>
<tr>
<td>BIO 100</td>
<td>Basic Biological Science 3</td>
<td>CHE 107</td>
<td>General Chemistry for Allied Health Sciences 4</td>
<td>NTRD 309</td>
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<tr>
<td>NTRD 203</td>
<td>The Dietetic Profession 1</td>
<td>CRL 107</td>
<td>General Chemistry Lab for Allied Health Sciences 1</td>
<td>BIO 259</td>
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<tr>
<td>NTRD 205</td>
<td>Principles of food Selection and Preparation 3</td>
<td>MAT 121</td>
<td>Introduction to Statistics I 3</td>
<td>CHE 230</td>
</tr>
<tr>
<td>NTRD 303</td>
<td>Nutrition and Culture 3</td>
<td>NTRD 203</td>
<td>Nutrition and Culture 3</td>
<td>SOC 200</td>
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<tr>
<td>WRT 120</td>
<td>Effective Writing I 3</td>
<td>WRT 200</td>
<td>Critical Writing and Research 3</td>
<td>WRT 220</td>
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<tr>
<td>WRT 204</td>
<td>Critical Writing: Approaches to Pop Culture</td>
<td>WRT 205</td>
<td>Critical Writing: Investigating Experience</td>
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<tr>
<td>WRT 206</td>
<td>Critical Writing: Multidisciplinary Imagination</td>
<td>WRT 208</td>
<td>Critical Writing: Entering Public Sphere</td>
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<tr>
<td>WRT 220</td>
<td>Critical Writing: Special Topics</td>
<td>Credits</td>
<td>16</td>
<td></td>
</tr>
<tr>
<td>Semester One</td>
<td>Semester Two</td>
<td>Semester Three</td>
<td>Semester Four</td>
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<tr>
<td>Credits</td>
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<tr>
<td>NTRD 310</td>
<td>Nutrition Research 3</td>
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</tbody>
</table>

1 Students must complete all required NTD courses and MAT 121 with a minimum grade of C to graduate from the B.S. in Nutrition. The Dietetics concentration also requires a minimum grade of C for all science courses.
2 These required courses also satisfy general education requirements.

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BIO 269  Human Anatomy and Physiology II 4
CHE 310  Introductory Biochemistry 3
PSY 100  Introduction to Psychology 3
ART (art, film, dance, music, theater; no "I" course) 2 3

### Year One

#### Semester Five
- NTD 320  Strategies in Dietetics Education 3
- NTD 411  Advanced Human Nutrition I 3
- BIO 204  Introductory Microbiology 4
- LIT/CLS, HIS, or PHI (cannot be an “I” course) 1 3

<table>
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<tr>
<th>“I” Course</th>
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</thead>
</table>

### Year Two

#### Semester Seven
- NTD 400  Clinical Nutrition Assessment 3
- NTD 408  Food Science 3
- NTD 410  Quantity Food Production 3
- NTD 412  Advanced Human Nutrition II 3
- LIT/CLS, HIS, or PHI 3

<table>
<thead>
<tr>
<th>Credits</th>
<th>16</th>
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</table>

#### Semester Eight
- NTD 409  Professional Skills in Dietetics 3
- NTD 413  Medical Nutrition Therapy I 3
- NTD 416  Food Service and Nutrition Systems Management I 3
- Student Elective | 3
- Student Elective | 3

<table>
<thead>
<tr>
<th>Credits</th>
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### Year Three

#### Semester Five
- NTD 320  Strategies in Dietetics Education 3
- NTD 411  Advanced Human Nutrition I 3
- BIO 204  Introductory Microbiology 4
- LIT/CLS, HIS, or PHI (cannot be an “I” course) 1 3

<table>
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<tr>
<th>“I” Course</th>
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</thead>
</table>

### Year Four

#### Semester Seven
- NTD 409  Professional Skills in Dietetics 3
- NTD 413  Medical Nutrition Therapy I 3
- NTD 416  Food Service and Nutrition Systems Management I 3
- Student Elective | 3
- Student Elective | 3

<table>
<thead>
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<th>Credits</th>
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</thead>
</table>

#### Semester Eight
- NTD 414  Medical Nutrition Therapy II 3
- NTD 415  Community Nutrition 3
- NTD 417  Food Service and Nutrition Systems Management II 3
- Student Elective | 3
- Student Elective | 3

<table>
<thead>
<tr>
<th>Credits</th>
<th>15</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Total Credits Minimum Credits Required</th>
<th>18</th>
</tr>
</thead>
<tbody>
<tr>
<td>1  A grade of C or better is required in all courses (i.e., required and elective).</td>
<td></td>
</tr>
<tr>
<td>2  NTD electives exclude the following courses: NTD 199, NTD 300, NTD 320, NTD 400, NTD 408, NTD 409, NTD 410, and NTD 415. Other NTD elective courses can be taken in consultation with the Nutrition Minor advisor.</td>
<td></td>
</tr>
</tbody>
</table>

### Programs

Minors in Peace and Conflict Studies

- Peace and Conflict Studies (p. 423)

### Policies

- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

### Courses

PAX 200. Introduction to Peace and Conflict Studies. 3 Credits.
An interdisciplinary inquiry into the nature and causes of social conflict. The aim throughout is to find ways of avoiding destructive conflict, whether through negotiation or other means. The issue of justice as a factor in conflict receives special attention.

Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Fall & Spring.
PAX 201. Global Perspectives. 3 Credits.
This course is intended to help students develop the competencies needed for the understanding of, and meaningful participation in, the world issues of the 1990s. Typically offered in Fall.

PAX 370. Israel, Palestine, Power and Peace. 3 Credits.
Hands-on learning about conflict strategy, negotiation, and non-violent resistance, in the context of in-depth study of the history, dynamics and prospects for the Israeli-Palestinian conflict. In an intensive workshop format, students conduct negotiations with each other, and strategize alternatives to negotiation, such as settlement-building, protests, blockade-running and war. Course includes significant readings, exercises using blogs and Twitter, a final paper-style resolution proposal. Includes a field trip to Washington, D.C. for briefings by experts on the contemporary course of the conflict.
Pre / Co requisites: PAX 370 requires prerequisite: PAX 200.

PAX 400. Peace & Conflict Studies Seminar. 3 Credits.
This course is a capstone experience for Peace and Conflict Studies students to solidify and integrate their study of social justice, activism, international relations and negotiation and conflict theory with real world experience. Students will examine and review the various theoretical insights of the discipline, get hands on experience with conflict resolution in the real world, and integrate the insights gleaned from both practical and classroom learning into an overarching model of conflict management to be developed over the course of the semester.
Typically offered in Spring.

MINOR IN PEACE AND CONFLICT STUDIES

College of Arts and Humanities

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAX 200</td>
<td>Introduction to Peace and Conflict Studies</td>
<td>3</td>
</tr>
<tr>
<td>PAX 400</td>
<td>Peace &amp; Conflict Studies Seminar</td>
<td>3</td>
</tr>
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</table>

Select one course from each of the following four categories: 12 Credits

- Political Thought/International Relations
  - CRJ 304 Introduction to Comparative Justice Systems
  - GEO 352 Geopolitics
  - HIS/WOS 329 Gender and Peace
  - PHI 411 The Problem of War
  - PHI 481 Philosophy of Human Rights
  - PHI 482 Social Philosophy
  - PSC 317 Contemporary International Relations
  - or PSC 320 U.S. Foreign Policy
  - PAX 201 Global Perspectives

- Dynamics of Activism and Advocacy
  - WRH 315 Propaganda, Power, and Politics
  - or WRH 335 Activism and Advocacy Writing
  - PHI 207 Philosophes of Non-violence

- Communication/Negotiation Skills
  - COM 204 Interpersonal Communication
  - or COM 216 Small Group Communication
  - or COM 410 Conflict Resolutions
  - CRJ 470 Interpersonal Relations

- Power and Politics/Social Justice
  - GEO 230 Environmental Conservation and Sustainability
  - or GEO 332 Environmental Crises
  - HIS 332 The Holocaust
  - HIS 362 Violence in America
  - HIS 375 A History of the Arab-Israeli Conflict
  - LIT 309 Thoughts/Writings of Martin Luther King
  - PSC 323 Racial/Ethnic Politics
  - or PSC 340 Latin American Culture and Politics
  - SOC 335 Racial and Cultural Minorities

or SOC 341 Social Stratification

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>SWO 225</td>
<td>Race Relations</td>
</tr>
<tr>
<td>WOS 315</td>
<td>Women of the Global South</td>
</tr>
</tbody>
</table>

Total Credits 18

Students are expected to attend six peace-and-Conflict-related campus events. Those events that qualify will be announced on the Peace and Conflict Studies website and tracked by the program coordinator.

PHARMACEUTICAL PRODUCT DEVELOPMENT PROGRAM

College of the Sciences and Mathematics

117A Schmucker Science Center South
610-436-2939
Pharmaceutical Product Development Program (http://www.wcupa.edu/pharm)
e-mail: ppd@wcupa.edu

Thomas R. Simpson (tsimpson2@wcupa.edu), Director

The Bachelor of Science in Pharmaceutical Product Development prepares students for careers in the pharmaceutical industry. The curriculum was developed through extensive dialog with representatives of the pharmaceutical and biotechnology industries and was designed to meet the unique needs of students seeking careers in this dynamic area. The curriculum for the degree is interdisciplinary in nature; students acquire a solid foundation in the physical and pharmaceutical sciences, as well as experience in technical writing, oral communication, statistics, economics, and biomedical ethics. All of the capstone drug design courses for the PPD major are taught by individuals employed at pharmaceutical companies, so that students can gain up-to-date knowledge about the industry. This innovative curriculum is coupled with up to two summers of paid internships following the sophomore and junior years. These assignments are provided within the pharmaceutical industry and give students experience and a level of understanding that is a practical, invaluable complement to the classroom. Graduates of this program are poised to enter industry with a breadth of understanding that otherwise takes several years of industrial experience to acquire. Furthermore, this diverse curriculum prepares students for both graduate and professional schools including medicine, dentistry, optometry, and pharmacy.

Contact the Pharmaceutical Product Development Office for further information on admission standards for undergraduate and transfer students.

Programs

- Majors in Pharmaceutical Product Development
  - B.S. in Pharmaceutical Product Development (p. 424)

Graduate Opportunities

See the graduate catalog for more information on the Pharmaceutical Product Development programs. (http://catalog.wcupa.edu/graduate/sciences-mathematics/pharmaceutical-product-development)

Policies

- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.
Typically offered in Summer.

Consent: Permission of the Department required to add.

Pre / Co requisites: PPD 484 requires a cumulative GPA of 2.75 or higher and departmental consent.

PPD 485. Pharmaceutical Internship II. 1 Credit.

A second summer paid internship experience with a pharmaceutical or biotechnology company. These internships are designed to provide experiences in key aspects of the pharmaceutical industry. This experience will be designed to complement the experience gained from PPD 484.

Typically offered in Fall, Spring & Summer. Repeatable for Credit.

PPD 490. Special Topics in Drug Development. 1 Credit.

This special topics course is designed to offer in depth seminars about novel and exciting areas of research in the field of pharmaceutical product development and drug discovery. Invited speakers will be industry experts presenting the most up-to-date information about their areas of expertise.

Pre / Co requisites: PPD 490 requires a prerequisite of PPD 481 and a corequisite of PPD 483.

Typically offered in Fall & Spring. Repeatable for Credit.

B.S. IN PHARMACEUTICAL PRODUCT DEVELOPMENT

College of the Sciences and Mathematics

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

| English Composition requirements | 6 |
| Mathematics requirement | 3 |
| MAT 121 | Introduction to Statistics I (will be required and will fulfill the basic skills mathematics requirement) |
| Public Speaking requirement | 3 |
| Science requirements | 6 |
| Behavioral & Social Science requirements | 6 |
| ECO 112 | Principles of Economics (Micro) (must be selected as one course in the behavioral and social sciences) |
| Humanities requirements | 6 |
| Arts requirement | 3 |
| Diverse Communities requirement | 3 |
| Interdisciplinary requirement | 3 |
| PHI 371 | Medical Ethics (will be required and will fulfill the interdisciplinary requirement) |
| Student Electives | 9 |
| Writing Emphasis requirements | 9 |

Although these courses may be used to fulfill distributive requirements, they are required courses in the degree program.

Chemistry Requirements

| CHE 103 | General Chemistry I |
| CHE 104 | General Chemistry II |
| CHE 231 | Organic Chemistry I |
| CHE 232 | Organic Chemistry II |
| CHE 476 | Biochemistry I |
| CRL 103 | Experimental General Chemistry I (LAB) |
| CRL 104 | Experimental General Chemistry II (LAB) |
| CRL 231 | Experimental Organic Chemistry I Lab |
| CRL 232 | Experimental Organic Chemistry II Lab |

Biology Requirements

| BIO 110 | General Biology 1 |
| BIO 214 | General Microbiology |
| BIO 220 | Cell Physiology |
| BIO 230 | Genetics |
| BIO 367 | Physiology of Drug Interactions |
| BIO 469 | Human Physiology |
| BIO 333 | Molecular Biology Techniques |

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## Major Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>PPD 481</td>
<td>Drug Design I</td>
<td>3</td>
</tr>
<tr>
<td>PPD 482</td>
<td>Drug Design II</td>
<td>3</td>
</tr>
<tr>
<td>PPD 483</td>
<td>Drug Design III</td>
<td>3</td>
</tr>
<tr>
<td>PPD 484</td>
<td>Pharmaceutical Internship I</td>
<td>1</td>
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</table>

## Related/Cognate Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ENG 371/375</td>
<td>Technical Writing</td>
<td>3</td>
</tr>
<tr>
<td>MAT 143/161</td>
<td>Brief Calculus</td>
<td>3</td>
</tr>
<tr>
<td>PHY 130</td>
<td>General Physics I(^1)</td>
<td>4</td>
</tr>
<tr>
<td>PHY 140</td>
<td>General Physics II</td>
<td>4</td>
</tr>
<tr>
<td>SPK 230</td>
<td>Business and Professional Speech Communication (^1)</td>
<td>3</td>
</tr>
<tr>
<td>STA 311</td>
<td>Intro Statistical Computing and Data Management</td>
<td>3</td>
</tr>
</tbody>
</table>

## Major Electives

Courses are to be chosen from the following list in consultation with an adviser.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>BIO 217</td>
<td>General Zoology</td>
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</tr>
<tr>
<td>BIO 307</td>
<td>Pathophysiology</td>
<td></td>
</tr>
<tr>
<td>BIO 314</td>
<td>Pathogenic Microbiology</td>
<td></td>
</tr>
<tr>
<td>BIO 334</td>
<td>Microbial Genetics</td>
<td></td>
</tr>
<tr>
<td>BIO 357</td>
<td>Comparative Vertebrate Anatomy</td>
<td></td>
</tr>
<tr>
<td>BIO 421</td>
<td>Cellular and Molecular Biology</td>
<td></td>
</tr>
<tr>
<td>BIO 428</td>
<td>Animal Histology</td>
<td></td>
</tr>
<tr>
<td>BIO 431</td>
<td>Molecular Genetics</td>
<td></td>
</tr>
<tr>
<td>BIO 454</td>
<td>Mycology</td>
<td></td>
</tr>
<tr>
<td>BIO 456</td>
<td>Virology</td>
<td></td>
</tr>
<tr>
<td>BIO 464</td>
<td>Microbial Physiology</td>
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</tr>
<tr>
<td>BIO 465</td>
<td>Immunology</td>
<td></td>
</tr>
<tr>
<td>BIO 467</td>
<td>Endocrinology</td>
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<tr>
<td>BIO 484</td>
<td>Epidemiology</td>
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</tr>
<tr>
<td>BLA 201</td>
<td>Legal Environment of Business</td>
<td></td>
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<tr>
<td>CHE 321</td>
<td>Analytical Chemistry I</td>
<td></td>
</tr>
<tr>
<td>CHE 333</td>
<td>Advanced Organic Chemistry</td>
<td></td>
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<tr>
<td>CHE 403</td>
<td>Chemistry of the Environment</td>
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<tr>
<td>CHE 424</td>
<td>Advanced Analytical Chemistry</td>
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<tr>
<td>CHE 436</td>
<td>Polymer Chemistry</td>
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<tr>
<td>CHE 477</td>
<td>Biochemistry II</td>
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<tr>
<td>CHE 479</td>
<td>Chemical Toxicology</td>
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<td>CRL 321</td>
<td>Analytical Chemistry I Lab</td>
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<tr>
<td>CRL 424</td>
<td>Analytical Chemistry II Lab</td>
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<tr>
<td>CRL 436</td>
<td>Polymer Chemistry Lab</td>
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<tr>
<td>CRL 476</td>
<td>Experimental Biochemistry I Lab</td>
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<tr>
<td>CRL 477</td>
<td>Experimental Biochemistry II Lab</td>
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<tr>
<td>STA 200</td>
<td>Introduction to Statistics II</td>
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<tr>
<td>MAT 162</td>
<td>Calculus II</td>
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<td>MAT 261</td>
<td>Calculus III</td>
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<tr>
<td>STA 319</td>
<td>Applied Statistics</td>
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<tr>
<td>MAT 421</td>
<td>Mathematical Statistics I</td>
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<tr>
<td>MAT 422</td>
<td>Mathematical Statistics II</td>
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<tr>
<td>MKT 200</td>
<td>Survey of Marketing</td>
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<tr>
<td>PPD 485</td>
<td>Pharmaceutical Internship II</td>
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</tr>
<tr>
<td>PPD 490</td>
<td>Special Topics in Drug Development</td>
<td></td>
</tr>
</tbody>
</table>

### Total Minimum Credits Required

**120**

\(^1\) This course also satisfies the general education requirement.

## Sample Course Plan

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td><strong>Year One</strong></td>
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<tr>
<td><strong>Fall</strong></td>
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<tr>
<td>BIO 110</td>
<td>General Biology</td>
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<tr>
<td>CHE 103</td>
<td>General Chemistry I</td>
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<tr>
<td>CRL 103</td>
<td>Experimental General Chemistry I (LAB)</td>
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<tr>
<td>MAT 121</td>
<td>Introduction to Statistics I</td>
<td>3</td>
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<tr>
<td>WRT 120</td>
<td>Effective Writing I</td>
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</tr>
<tr>
<td><strong>Credits</strong></td>
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<tr>
<td><strong>Spring</strong></td>
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<tr>
<td>BIO 230</td>
<td>Genetics</td>
<td>3</td>
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<tr>
<td>CHE 104</td>
<td>General Chemistry II</td>
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<tr>
<td>CRL 104</td>
<td>Experimental General Chemistry II (LAB)</td>
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<tr>
<td>WRT 2XX</td>
<td>Humanities Gen Ed</td>
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<td>Free Elective</td>
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<td><strong>Credits</strong></td>
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<tr>
<td><strong>Year Two</strong></td>
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<tr>
<td><strong>Fall</strong></td>
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<tr>
<td>BIO 214</td>
<td>General Microbiology</td>
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<tr>
<td>CHE 231</td>
<td>Organic Chemistry I</td>
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<tr>
<td>CRL 231</td>
<td>Experimental Organic Chemistry I Lab</td>
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<tr>
<td>ENG 371</td>
<td>Technical Writing or Strategies for Writing in the Workplace</td>
<td>3</td>
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<tr>
<td>Arts Gen Ed</td>
<td>3</td>
<td></td>
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<tr>
<td><strong>Credits</strong></td>
<td><strong>16</strong></td>
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<tr>
<td><strong>Spring</strong></td>
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<tr>
<td>BIO 333</td>
<td>Molecular Biology Techniques</td>
<td>2</td>
</tr>
<tr>
<td>BIO 220</td>
<td>Cell Physiology</td>
<td>3</td>
</tr>
<tr>
<td>CHE 232</td>
<td>Organic Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CRL 232</td>
<td>Experimental Organic Chemistry II Lab</td>
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<tr>
<td>PPD 481</td>
<td>Drug Design I</td>
<td>3</td>
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<tr>
<td>STA 311</td>
<td>Intro Statistical Computing and Data Management</td>
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<tr>
<td><strong>Credits</strong></td>
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<tr>
<td><strong>Summer Session II</strong></td>
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<td>PPD 484</td>
<td>Pharmaceutical Internship I</td>
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<tr>
<td><strong>Year Three</strong></td>
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<td><strong>Fall</strong></td>
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<td>BIO 469</td>
<td>Human Physiology</td>
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<td>MAT 161</td>
<td>Calculus I or Brief Calculus</td>
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<td>PHY 130</td>
<td>General Physics I</td>
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<tr>
<td>PPD 482</td>
<td>Drug Design II</td>
<td>3</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td><strong>15</strong></td>
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<tr>
<td><strong>Spring</strong></td>
<td></td>
<td></td>
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<tr>
<td>BIO 367</td>
<td>Physiology of Drug Interactions</td>
<td>3</td>
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<tr>
<td>PHY 140</td>
<td>General Physics II</td>
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<tr>
<td>PPD 483</td>
<td>Drug Design III</td>
<td>3</td>
</tr>
<tr>
<td>Social Science Gen Ed</td>
<td>3</td>
<td></td>
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<tr>
<td><strong>Credits</strong></td>
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</tr>
</tbody>
</table>
Minors in Philosophy

- Applied Ethics (p. 431)
- Philosophy (p. 431)
- Religious Studies (p. 431)

Graduate Opportunities

See the graduate catalog for more information on the Philosophy programs. (http://catalog.wcupa.edu/graduate/arts-humanities/philosophy)

Policies

- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

Accelerated Program Policy

Refer to the Accelerated Programs page (p. 129) for more information.

Faculty

Professors

Ruth Porritt (rporritt@wcupa.edu) (1991)
B.A., John Carroll University; Ph.D., Purdue University
Joan Woollfrey (jwoollfrey@wcupa.edu) (2000)
B.S., North Dakota State University; M.A., The New School for Social Research; Ph.D., University of Oregon

Associate Professors

Matthew Pierlott (mpierlott@wcupa.edu) (2006)
Chairperson, Philosophy
B.A., University of Scranton; Ph.D., Marquette University
Helen Schroepfer (hschroepfer@wcupa.edu) (2005)
B.A., College of St. Benedict/St. John’s University; M.A., St. Mary’s Seminar and University; Ph.D., Temple University
Cassie Ann Striblen (cstriblen@wcupa.edu) (2010)
B.A., Ohio University; M.A., Ph.D., University of Cincinnati

Assistant Professors

Daniel Forbes (dforbes@wcupa.edu) (2007)
B.A., Dickinson College; Ph.D., University of Georgia
Steven James (sjames@wcupa.edu) (2014)
Graduate Coordinator, Philosophy
B.A., University of Colorado; Ph.D., University of Texas
Dean J. Johnson (djohnson4@wcupa.edu) (2013)
Director, Peace and Conflict Studies Program
B.A., Manchester University; M.A., Bethany Theological Seminary; Ph.D., University of Denver
Robert Main (rmain@wcupa.edu) (2015)
B.A., University of Washington; M.A., Ph.D., Temple University
Jea Sophia Oh (joh@wcupa.edu) (2015)
M.A. Austin Presbyterian Seminary; S.T.M. Yale Divinity School; M. Phil Drew University; Ph.D. Drew University
Ronke Oke (roke@wcupa.edu) (2016)
B.A., Spelman College; M.A., University of Memphis; Ph.D., Pennsylvania State University

Minors in Philosophy

- Applied Ethics (p. 431)
- Philosophy (p. 431)
- Religious Studies (p. 431)

Graduate Opportunities

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Jea Sophia Oh (joh@wcupa.edu) (2015)
M.A. Austin Presbyterian Seminary; S.T.M. Yale Divinity School; M. Phil Drew University; Ph.D. Drew University
Ronke Oke (roke@wcupa.edu) (2016)
B.A., Spelman College; M.A., University of Memphis; Ph.D., Pennsylvania State University

Minor Programs

Students may minor in philosophy, religious studies, or applied ethics. A minimum of 18 credits is required. Elective courses are selected in consultation with the student’s minor advisor. Any of these minors may be taken as a concentration in the bachelor of arts in liberal studies general degree program. The department is also home to the Peace and Conflict Studies Program (p. 422).

Programs

Majors in Philosophy

- B.A. in Philosophy (p. 429)
  - B.A. in Philosophy to M.A. in Philosophy Accelerated Program (p. 429)
  - B.A. in Religious Studies (p. 430)

Minor Programs

Students may minor in philosophy, religious studies, or applied ethics. A minimum of 18 credits is required. Elective courses are selected in consultation with the student’s minor advisor. Any of these minors may be taken as a concentration in the bachelor of arts in liberal studies general degree program. The department is also home to the Peace and Conflict Studies Program (p. 422).

Programs

Majors in Philosophy

- B.A. in Philosophy (p. 429)
  - B.A. in Philosophy to M.A. in Philosophy Accelerated Program (p. 429)
  - B.A. in Religious Studies (p. 430)
Courses

PHI

PHI 100. Creating Meaning. 3 Credits.
The course is an introduction to existentialism, one of the most influential intellectual currents of the 20th century. Through film, literature, and the primary philosophical texts of existential philosophers, such as Friedrich Nietzsche, Jean-Paul Sartre, Albert Camus, and Simone de Beauvoir, we will explore basic existential themes such as the formation of values, “dread” and “alienation.” Existentialism focuses less on what to think and more on how to live stark raving sane in the face of radical freedom and responsibility.
Gen Ed Attribute: Humanities Distributive Requirement.
Typically offered in Fall, Spring & Summer.

PHI 101. Introduction to Philosophy. 3 Credits.
The chief problems and methods of philosophic thought, with a survey of some typical solutions. The place and influence of philosophy in life today.
Gen Ed Attribute: Humanities Distributive Requirement.
Typically offered in Fall, Spring & Summer.

PHI 102. Introduction to Religious Studies. 3 Credits.
The role of religion in human life. Illustrations drawn from various traditions, rituals, and belief patterns, both ancient and modern.
Gen Ed Attribute: Interdisciplinary Requirement.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

PHI 125. Theology & Science: Enemies or Partners?. 3 Credits.
An inquiry into the relationship of theology to the natural sciences. Team taught by both a physicist and a philosopher, the course investigates how ideas of God have been affected by advances in physics and biology.
Typically offered in Spring.
Cross listed courses PHI 125, PHY 125.

PHI 130. Religion in the United States. 3 Credits.
This course will explore the rich diversity of religions in the United States and the impact of religion on our culture.
Gen Ed Attribute: Diversity Requirement.
Typically offered in Fall & Spring.

PHI 150. Critical Thinking and Problem Solving. 3 Credits.
Introduction of the principles needed for effective thinking and evaluation of arguments in practical situations. Topics include procedures and guidelines for identifying and evaluating arguments, recognizing fallacies, and writing/criticizing argumentative essays.
Gen Ed Attribute: Humanities Distributive Requirement.
Typically offered in Fall & Spring.

PHI 174. Principles of the Arts. 3 Credits.
A critical examination of traditional and contemporary aesthetic theories from diverse cultural perspectives to extend students’ thinking about the “concept” as well as the “experience” of art. Visual and literary arts are emphasized, as well as how to live a more artful life.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Fall.

PHI 180. Introduction to Ethics. 3 Credits.
Introduction to major theories and contemporary work in moral philosophy. Offers tools for ethical decision making in our daily lives with emphasis on the influence of culture, power, privilege.
Gen Ed Attribute: Diversity Requirement, Humanities Distributive Requirement.
Typically offered in Fall, Spring & Summer.

PHI 190. Logic. 3 Credits.
Introduction to deductive and inductive logic, with emphasis on classical syllogistic and symbolic logic. Topics include arguments, categorical propositions and classes, immediate inferences, Venn diagrams, rules of syllogism propositional functions, truth tables and predicate logic. Distance education offering may be available.
Typically offered in Fall & Spring.

PHI 201. Contemporary Issues. 3 Credits.
Discussion and analysis of contemporary philosophical issues. The topic varies from semester to semester.
Gen Ed Attribute: Humanities Distributive Requirement.
Typically offered in Fall & Spring.
Repeatable for Credit.

PHI 204. Philosophies and Religions of the Far East. 3 Credits.
The religious and philosophical heritage of India, from Vedic times to the present. Examination of major classics, such as Rig Veda, Upanishads, Bhagavad-Gita, and Yoga-sutras; recent writers such as Tagore, Gandhi, and Radhakrishnan.
Typically offered in Fall.

PHI 205. Philosophies and Religions of the Far East. 3 Credits.
A survey of Far Eastern philosophy, religion, and scientific thought. Confucianism, Taoism, and the various schools of Mahayana Buddhism, including Zen, are given primary emphasis.
Typically offered in Spring.

PHI 206. Religions of the West. 3 Credits.
An introduction to the three major traditions of the West: Judaism, Christianity and Islam. Exploring their earliest heritage including founders, scriptures, early institutions and practices, it will then address how these traditions were preserved, re-invented, and sometimes transformed in response to social change and political upheaval.
Gen Ed Attribute: Humanities Distributive Requirement.
Typically offered in Fall.

PHI 207. Philosophies of Non-violence. 3 Credits.
An examination of the concepts of violence and nonviolence, especially as seen by recent thinkers. The course attempts to link theory with practice by considering the contributions of Tolstoy, Gandhi, Thoreau, and other philosophers, religious thinkers, and activists.
Gen Ed Attribute: Humanities Distributive Requirement.
Typically offered in Spring.

PHI 220. Introduction to Islam. 3 Credits.
A general introduction to Islam which will focus on the sources for Muslim belief and practices, the diversity within the Muslim community, and modern movements within Islam and the Muslim community in America.
Gen Ed Attribute: Arabic Culture Cluster, Foreign Language Culture Cluster, Humanities Distributive Requirement.
Typically offered in Spring.

PHI 270. History of Ancient Philosophy. 3 Credits.
A survey of the major figures of ancient philosophy, from the pre-Socratic period through Plato, Aristotle, the Epicureans, and Stoics, to the Skeptics and Neo-Platonists.
Gen Ed Attribute: Classical Civilizations Culture Cluster, Foreign Language Culture Cluster.
Typically offered in Fall & Spring.

PHI 271. History of Medieval Philosophy. 3 Credits.
The history of philosophy from the early Church fathers to the late Middle Ages. St. Augustine, St. Thomas, mysticism, Jewish and Islamic influences, humanism, and the rise of science.
Gen Ed Attribute: Classical Civilizations Culture Cluster, Foreign Language Culture Cluster.
Typically offered in Spring.

PHI 272. History of Modern Philosophy. 3 Credits.
From Descartes to Hegel. The social, political, and scientific impact of the philosophers.
Gen Ed Attribute: Foreign Language Culture Cluster, Germany Culture Cluster.
Typically offered in Spring.

PHI 273. 19th Century Philosophy. 3 Credits.
Hegel and German Idealism; decisive influences on European and American literature and thought. Survey of the chief themes of Schopenhauer, Comte, Mill, Spencer, Marx, Kierkegaard, Darwin, and Nietzsche.
Gen Ed Attribute: Foreign Language Culture Cluster, Germany Culture Cluster.
Typically offered in Spring.

PHI 280. Philosophy and Film. 3 Credits.
This course helps students understand and discuss philosophy, film, and how the two disciplines intersect. Students’ critical thinking skills will improve as they use film theory and terminology to decipher key philosophical texts, and vice versa.
Gen Ed Attribute: Diversity Requirement, Humanities Distributive Requirement.
Typically offered in Spring.
PHI 282. Animal Ethics. 3 Credits.
An exploration of the religious, philosophical, and scientific perspectives on animals, animal treatment and animal use, including arguments for vegetarian/veganism and of activist groups.
Gen Ed Attribute: Humanities Distributive Requirement.
Typically offered in Fall.

PHI 284. American Philosophies. 3 Credits.
Leaders in science, literature, religion, and government who have shaped American thought. Philosophers of Puri tarianism, the Revolution, Transcendentalism, and native schools of Realism, Idealism, and Pragmatism.
Typically offered in Spring.

PHI 301. Intercollegiate Ethics Bowl. 3 Credits.
This class surveys some major ethical theories and applies them to 15 cases published by the Intercollegiate Ethics Bowl, in preparation for competing in the Northeastern Regional in November. Ethics Bowl cases are drawn from recent news stories and typically involve a wide spectrum of ethical concerns including environmental and sustainability issues, animal rights, economic justice, civil rights, and reproductive rights.
Consent: Permission of the Department required to add.
Typically offered in Fall. Repeatable for Credit.

PHI 310. New Religious Movements. 3 Credits.
An examination of New Religious Movements, alternative spiritualities and "cults." This course will explore their main beliefs and practices as well as theoretical perspectives for understanding them.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Spring.

PHI 330. Introduction to Meaning. 3 Credits.
Discussion of the analysis of meaning given by various disciplines, including philosophy, psychology, linguistics, communication studies, and the arts.
Typically offered in Spring.
Cross listed courses LIN 330, PHI 330.

PHI 340. Contemporary Moral Issues. 3 Credits.
Philosophical examination of major social debates (e.g. abortion, human cloning, war, and violence) and their relation to race, class, gender, etc.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Spring.

PHI 349. Ideas of the Bible. 3 Credits.
This course will explore major themes in the Bible and their impact on Western Culture, including on constructions of gender. Particular attention will be paid to their influence on Western literature, religion and philosophy.
Typically offered in Fall.

PHI 350. Philosophical Topics: 20th Century and Beyond. 3 Credits.
A course in recent and current philosophies and philosophers from various traditions.
Gen Ed Attribute: Humanities Distributive Requirement.
Typically offered in Spring. Repeatable for Credit.

PHI 355. Political Philosophy. 3 Credits.
What is the legitimate role of the state? How do we preserve liberty, equality, and produce a distribution of burdens and benefits in society? To begin to answer these sorts of questions, this course examines philosophical texts on politics from thinkers such as Machiavelli, Hobbes, Locke, Rousseau, Jefferson, Thoreau, Mill and Marx.
Typically offered in Fall.

PHI 371. Medical Ethics. 3 Credits.
A case-based approach to the study of philosophical concepts and ethical criteria as applied to health care practice and clinical research.
Pre / Co requisites: PHI 371 requires prerequisite of junior or senior standing or department consent.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Fall & Spring.

PHI 373. Business Ethics. 3 Credits.
The study of philosophical concepts and ethical criteria as applied to business practices. Through case studies and scholarly contributions, the course will cover issues such as the ethical nature of the free market system, foreign outsourcing, issues around environmental impact of business, consumer rights, worker rights and job discrimination, and more.
Gen Ed Attribute: Diversity Requirement.
Typically offered in Fall.

PHI 376. Entrepreneurial Ethics. 3 Credits.
The study of philosophical concepts and ethical criteria applied to business practices especially from the perspective of the entrepreneur. Through case studies and scholarly contributions, the course will cover issues such as the ethical nature of the free market system, marketing and advertising, product development, etc. The course will ask key questions: “what makes a business a good business?”; “can a product or service be inherently unethical?”; “how can new products alter our community in important ways that contest our values?”; etc. Most importantly, the course will invite students to reflect on their own system of moral evaluation and creatively engage in ways that they could solve problems with attentiveness to the ethical dimensions of any business activity.
Typically offered in Fall & Spring.

PHI 390. Women and Religion. 3 Credits.
An exploration of how the beliefs and practices of major world religions have both hampered and enhanced women’s lives. Particular attention will be paid to often marginalized voices of women from within these traditions.
Gen Ed Attribute: Diversity Requirement.
Typically offered in Spring.

PHI 401. Internship in Philosophy. 3 Credits.
This course provides a structured and supervised work experience in philosophy for upper-level students. Students must apply to the department Internship Director and receive approval to be admitted.
Consent: Permission of the Department required to add.

PHI 405. Feminist Theory. 3 Credits.
Designed to introduce and discuss basic questions in contemporary feminist theory, the course will explore different philosophies of feminism and include such issues as motherhood, intersections with other theories of oppression, and body politics.
Pre / Co requisites: PHI 405 requires a prerequisite of WOS 225.
Consent: Permission of the Department required to add.
Typically offered in Spring.
Cross listed courses WOS 405, PHI 405.

PHI 410. Independent Study. 1-3 Credits.
Topic to be approved by supervising faculty member. Requires approval of Department Chair.
Consent: Permission of the Department required to add.
Repeatable for Credit.

PHI 411. The Problem of War. 3 Credits.
An examination of war and the “war systems” including terrorism. Alternatives to war are considered.
Typically offered in Fall.

PHI 412. Ethical Theories. 3 Credits.
An inquiry into the meaning, interpretations and function of ethical theory in our lives. The course will explore some combination of classic, modern and contemporary ethical theories.
Pre / Co requisites: PHI 412 requires prerequisites of PHI 101 or PHI 180 and an overall GPA of at least 2.00.
Typically offered in Fall.

PHI 414. Philosophy of Religion. 3 Credits.
Religion and religious experience as viewed by major western thinkers. Concepts of God, immorality, religious knowledge, evil, miracles, and science and religion.
Typically offered in Fall.

PHI 415. Existentialism. 3 Credits.
An exploration of important texts in 19th century and 20th century existentialism and their influence on contemporary currents in philosophy and social sciences.
Pre / Co requisites: PHI 415 requires prerequisite of 2 PHI courses.
Gen Ed Attribute: Foreign Language Culture Cluster, France & Francophone Area Culture Cluster.
Typically offered in Fall.
**PHI 421. Philosophy of Law. 3 Credits.**
Consideration of the philosophical foundations of law. Topics may include the nature of law and its relation to rights, liberties, duties, liability, and responsibility, and privacy; the nature of judicial reasoning; concepts of responsibility and liability; theories of punishment; causation in the law; discrimination and equality; the relation of law and morality; civil disobedience.
Pre / Co requisites: PHI 421 requires prerequisite of 3 hours of Philosophy or permission of instructor.
Typically offered in Fall.

**PHI 422. Philosophy of Science. 3 Credits.**
The nature of scientific method and scientific theory, with reference to presuppositions, inference, explanation, prediction, applications, and verification.
Pre / Co requisites: PHI 422 requires prerequisites of one 200 level PHI course and one other PHI course.
Typically offered in Fall.

**PHI 436. Symbolic Logic. 3 Credits.**
Principles and methods of symbolic logic. Practice in determining validity of sentential and quantification arguments. The algebra of classes.
Pre / Co requisites: PHI 436 requires prerequisite of PHI 190.
Typically offered in Spring.

**PHI 451. Religion and Ecology. 3 Credits.**
This course explores contemporary environmental issues from the perspectives of different religious traditions through a postcolonial interreligious lens. We will compare spiritual and religious views of the ecosystem, its meaning, and its relation to human beings. Students will be asked to critically examine these efforts and also explore issues of environmental injustice. Furthermore, this course introduces postcolonial ecocriticism that promises to make new contributions to the analysis of how imperialism, colonialism, and neocolonialism create basic conditions of inequality between the colonizer and the colonized. This high level online course is offered for both graduate and undergraduate students.
Pre / Co requisites: PHI 451 requires prerequisite of PHI 190.
Distance education offering may be available.
Typically offered in Fall.

**PHI 480. Environmental Ethics. 3 Credits.**
Study of arguments and principles surrounding moral questions about the environment. Who and what dissolves moral consideration? What if our obligations to the environment and human beings conflict? Do animals have rights?
Pre / Co requisites: PHI 480 requires prerequisite of 3 PHI credits or permission of instructor.
Typically offered in Spring.

**PHI 481. Philosophy of Human Rights. 3 Credits.**
An examination of theories of human rights and the bearing of these theories on public policy issues such as legitimacy of war and terrorism, economic justice, and whether future generations have rights. Topics include whether there are basic human rights, and if so, what they are, what is their nature or basis, and what arguments can be brought to bear upon these questions.
Pre / Co requisites: PHI 481 requires prerequisite of 6 credits of Philosophy.
Typically offered in Spring.

**PHI 482. Social Philosophy. 3 Credits.**
The relationship between the individual and the social/political order. The good society and the just state as seen by modem and recent Western thinkers, such as Locke, Rousseau, Marx, Nozick, and Rawls. Cutting-edge issues of the present day are also explored. Course is conducted in seminar format.
Typically offered in Spring.

**PHI 499. Philosophical Concepts and Systems. 3 Credits.**
An intensive study of the major works of one philosophical system, emphasizing comparison with other views. Required of all philosophy majors.
Pre / Co requisites: PHI 499 requires prerequisites of six hours of philosophy, senior standing, and an overall minimum GPA of 2.00.
Typically offered in Fall & Spring.

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**B.A. IN PHILOSOPHY**

**College of Arts and Humanities**

**Curriculum**

**General Education Requirements** ([http://catalog.wcupa.edu/undergraduate/general-education-requirements](http://catalog.wcupa.edu/undergraduate/general-education-requirements))

**English Composition requirements** 6
**Mathematics requirement** 3
**Public Speaking requirement** 3
**Science requirements** 6
**Behavioral & Social Science requirements** 6
**Humanities requirements** 6
**Arts requirement** 3
**Diverse Communities requirement** 3
**Interdisciplinary requirement** 3
**Student Electives** 9
**Writing Emphasis requirements** 9

**Language and Culture Requirement**
Demonstrating language proficiency through the intermediate level (202) or demonstrating language proficiency through the elementary II (102) level of a language and further acquiring a cultural foundation.

**Majors Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PHI 190</td>
<td>Logic 1</td>
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<tr>
<td>PHI 270</td>
<td>History of Ancient Philosophy 1</td>
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<tr>
<td>PHI 272</td>
<td>History of Modern Philosophy 1</td>
</tr>
<tr>
<td>PHI 355</td>
<td>Political Philosophy</td>
</tr>
<tr>
<td>PHI 412</td>
<td>Ethical Theories</td>
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<tr>
<td>PHI 499</td>
<td>Philosophical Concepts and Systems</td>
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<tr>
<td>PHI 501</td>
<td>Feminist Theory</td>
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</tbody>
</table>

**Philosophy Electives 2** Choose one of the following philosophy courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PHI 204</td>
<td>Philosophies and Religions of India</td>
</tr>
<tr>
<td>PHI 205</td>
<td>Philosophies and Religions of the Far East</td>
</tr>
<tr>
<td>PHI 405</td>
<td>Feminist Theory</td>
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</tbody>
</table>

**Electives**
Select 18-33 credits in electives to reach the required 120 credits for the B.A. 18-33

**Total Minimum Credits Required** 120

1 100- and 200-level courses must be passed with a grade of C or better.
2 Cannot use the following Religious Studies courses to fulfill these electives: PHI 102, PHI 130, PHI 206, PHI 220, PHI 310, or PHI 390.

**Accelerated B.A. in Philosophy to M.A. in Philosophy Program**

B.A. in Philosophy students are required to take 30 credits of major requirements and philosophy electives. To be considered for the accelerated program, students must have completed 75 credits with a minimum of 18 philosophy credits. Students must have earned at least a B in all philosophy courses, and must provide one letter of recommendation from a WCU philosophy faculty member. Students in the accelerated BA/MA program will fulfill the 30 credits of the undergraduate major with up to 12 graduate credits. Options are indicated below.

**Major Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PHI 190</td>
<td>Logic 1</td>
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<tr>
<td>or PHI 536</td>
<td>Symbolic Logic</td>
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<tr>
<td>PHI 412</td>
<td>Ethical Theories 1</td>
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<tr>
<td>or PHI 512</td>
<td>Ethical Theories 1</td>
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<tr>
<td>PHI 499</td>
<td>Philosophical Concepts and Systems</td>
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<tr>
<td>or PHI 599</td>
<td>Philosophical Concepts and Systems</td>
</tr>
<tr>
<td>PHI 501</td>
<td>Graduate Proseminar (Required. Offered only in the fall. This course must be taken in the first fall term in the accelerated program.)</td>
</tr>
</tbody>
</table>
You may choose the following course for the non-Western canon B.A. requirement (not to be confused with Gen Ed Diverse Communities course) if you have not taken PHI 204, PHI 205 or PHI 405:

**PHI 531** Asian Philosophy

**Electives (not to exceed 12 graduate level credits, including above):**

- PHI 513 Aesthetic Theories
- PHI 514 Philosophy of Religion
- PHI 515 Existentialism
- PHI 520 Philosophy of Mind
- PHI 521 Philosophy of Law
- PHI 522 Philosophy of Science
- PHI 525 Epistemology
- PHI 536 Symbolic Logic (unless used above)
- PHI 551 Religion and Ecology
- PHI 581 Philosophy of Human Rights
- PHI 582 Social Philosophy

### Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td><strong>Year One</strong></td>
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<tr>
<td>Semester One</td>
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<tr>
<td>WRT 120</td>
<td>Effective Writing I</td>
<td>3</td>
</tr>
<tr>
<td>PHI 190</td>
<td>Logic</td>
<td>3</td>
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<tr>
<td>PHI 270</td>
<td>History of Ancient Philosophy</td>
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<tr>
<td>MAT 1XX</td>
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<td>3</td>
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<tr>
<td>Gen Ed Distributive</td>
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<td><strong>Credits</strong></td>
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<td>Semester Two</td>
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<tr>
<td>WRT 2 ___</td>
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<tr>
<td>PHI 272</td>
<td>History of Modern Philosophy</td>
<td>3</td>
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<tr>
<td>Major Elective #1</td>
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<tr>
<td>Gen Ed Distributive</td>
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<tr>
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<td><strong>Credits</strong></td>
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<td><strong>Year Two</strong></td>
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<tr>
<td>Semester Three</td>
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<tr>
<td>Major Elective #2</td>
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<td>Gen Ed Distributive</td>
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<tr>
<td>Gen Ed Distributive</td>
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<tr>
<td>Free Elective/Second Major/Minor</td>
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<td><strong>Credits</strong></td>
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<tr>
<td>Semester Four</td>
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<tr>
<td>Major Elective #3</td>
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<tr>
<td>Gen Ed Distributive or Free Elective</td>
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<td>Gen Ed Distributive or Free Elective</td>
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<tr>
<td><strong>Credits</strong></td>
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</table>

**Year Three**

| Semester Five |
| PHI 355      | Political Philosophy                      | 3       |
| Diversity (J) Course |                                | 3       |
| Gen Ed Distributive or Free Elective |                     | 3       |
| Gen Ed Distributive or Free Elective |                     | 3       |
| Gen Ed Distributive or Free Elective |                     | 3       |
| **Credits** |                                               | 15      |

**Year Four**

| Semester Seven |
| PHI 412      | Ethical Theories                           | 3       |
| Gen Ed Distributive or Free Elective |                                | 3       |
| Gen Ed Distributive or Free Elective |                                | 3       |
| Gen Ed Distributive or Free Elective |                                | 3       |
| **Credits** |                                               | 15      |

| Semester Eight |
| PHI 499      | Philosophical Concepts and Systems         | 3       |
| Gen Ed Distributive or Free Elective |                                | 3       |
| Gen Ed Distributive or Free Elective |                                | 3       |
| Gen Ed Distributive or Free Elective |                                | 3       |
| **Credits** |                                               | 15      |

**Year Five**

| Semester Nine |
| Major Elective - Diversity (choose from one of the following courses) |
| PHI 204 Philosophies and Religions of India |                     |
| PHI 205 Philosophies and Religions of the Far East |                |
| PHI 405 Feminist Theory |                            |
| Interdisciplinary (I) Course |                    | 3       |
| Gen Ed Distributive or Free Elective |                     | 3       |
| Gen Ed Distributive or Free Elective |                     | 3       |
| Gen Ed Distributive or Free Elective |                     | 3       |
| **Credits** |                                               | 15      |

**Year Six**

| Semester Ten |
| PHI 412 Ethical Theories |                     |
| Gen Ed Distributive or Free Elective |                     |
| Gen Ed Distributive or Free Elective |                     |
| Gen Ed Distributive or Free Elective |                     |
| **Credits** |                                               | 15      |

**Total Credits**

120

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### B.A. IN RELIGIOUS STUDIES

**Curriculum**

**General Education Requirements**

- English Composition requirements 6
- Mathematics requirement 3
- Public Speaking requirement 3
- Science requirements 6
- Behavioral & Social Science requirements 6
- Humanities requirements 6
- Arts requirement 3
- Diverse Communities requirement 3
- Interdisciplinary requirement 3
- Student Electives 9
- Writing Emphasis requirements 9
- Language and Culture Requirement
  - Demonstrating language proficiency through the intermediate level (202) or demonstrating language proficiency through the elementary II (102) level of a language and further acquiring a cultural foundation. 3-15
Minor in Applied Ethics

Major Requirements

PHI 101 Introduction to Philosophy 3
PHI 102 Introduction to Religious Studies 3
PHI 204 Philosophies and Religions of India 3
or PHI 205 Philosophies and Religions of the Far East
PHI 206 Religions of the West 3
PHI 414 Philosophy of Religion 3

Select five electives (at least three must be at or above the 300 level) from the following, under advisement:

ANT 344 Magic, Religion & Witchcraft
PHI 125 Theology & Science: Enemies or Partners?
PHI 130 Religion in the United States
PHI 204 Philosophies and Religions of India
PHI 205 Philosophies and Religions of the Far East
PHI 207 Philosophies of Non-violence
PHI 220 Introduction to Islam
PHI 270 History of Ancient Philosophy
PHI 271 History of Medieval Philosophy
PHI 272 History of Modern Philosophy
PHI 310 New Religious Movements
PHI 349 Ideas of the Bible
PHI 390 Women and Religion
SOC 344 Sociology of Religion

Free Electives

Select 27-42 semester hours 27-42

Total Minimum Credits Required 120

Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

Minor in Philosophy

College of Arts and Humanities

Required Courses

PHI 101 Introduction to Philosophy 3
PHI 150 Critical Thinking and Problem Solving 3
or PHI 190 Logic
PHI 174 Principles of the Arts 3
or PHI 180 Introduction to Ethics

Select one of the following:

PHI 270 History of Ancient Philosophy
PHI 271 History of Medieval Philosophy
PHI 272 History of Modern Philosophy

Philosophy Electives

Select 6 semester hours under advisement 6

Total Credits 18

Minor in Religious Studies

College of Arts and Humanities

Required Courses

PHI 102 Introduction to Religious Studies 3
PHI 206 Religions of the West 3
PHI 204 Philosophies and Religions of India 3
or PHI 205 Philosophies and Religions of the Far East

Select three courses (at least two must be at or above the 300 level) from the following:

ANT 344 Magic, Religion & Witchcraft or SOC 344 Sociology of Religion
PHI 125 Theology & Science: Enemies or Partners?
PHI 130 Religion in the United States
PHI 204 Philosophies and Religions of India
PHI 205 Philosophies and Religions of the Far East (if not taken above)
PHI 207 Philosophies of Non-violence
PHI 271 History of Medieval Philosophy
PHI 310 New Religious Movements
PHI 349 Ideas of the Bible
PHI 390 Women and Religion
PHI 414 Philosophy of Religion

Total Credits 18

Department of Physics and Engineering

College of the Sciences and Mathematics

Overview

127 Merion Science Center
610-436-2497
Department of Physics and Engineering (http://www.wcupa.edu/physics)
Anthony J. Nicastro (anicastro@wcupa.edu), Chairperson
Anil K. Kandalam (akandalam@wcupa.edu), Assistant Chairperson

The Department of Physics and Engineering offers three undergraduate degree programs:

• The B.S. in Physics is designed as preparation for graduate school or careers in government or industry. The curriculum includes a strong foundation in mathematics and the humanities. A wide
choice of electives in the program provides the flexibility to develop a minor in a related area of interest.

- **The B.S. in Education in Physics** provides a solid background in physics, mathematics, and related sciences for a teaching career at the secondary level and leads to certification to teach physics in the public schools of Pennsylvania.

- **The B.S. in Physics/B.S. in Engineering** is a cooperative, dual-degree, five-year engineering program with The Pennsylvania State University at University Park, Philadelphia University, Columbia University, and Case Western Reserve University.

**Scholarships/Awards**

The Robert M. Brown Endowed Scholarship for Physics was established in 1997 by Mr. Robert M. Brown. Partial tuition scholarships are awarded annually on a competitive basis to students in the physics program.

In addition, the Dr. Michael F. Martens Award, established by the West Chester Lions Club, is given annually to students who have shown outstanding achievement in physics. Awards are determined by the department's faculty. Other awards include the Benjamin Faber Award in physics and mathematics, and the Diane and Roger Casagrande Scholarship for students in pre-engineering or communication studies. In addition to these, the Physics/Philosophy Prize is awarded to a student who has made a notable contribution on a topic related to the interface of science and theology. These awards are granted annually at an induction ceremony for new members of the West Chester University Chapter of Sigma Pi Sigma, the national physics honor society.

The physics programs can also be found on the Internet: http://www.wcupa.edu/physics.

**Cooperative Physics/Engineering Programs**

The Department of Physics and Engineering offers multiple 3+2 Physics-Engineering Programs. These are dual-degree programs in which a student typically spends three years at West Chester and two years at one of our partner institutions, after which a student holds a B.S. in Physics from West Chester University and a bachelor's degree in engineering from the partner institution. Currently, WCU has agreements with Penn State University (main campus), Thomas Jefferson University, Columbia University, and Case Western Reserve University.

Admission to one of the affiliate engineering institutions is contingent upon a recommendation from the Department of Physics and Engineering and the student having maintained the overall average for the specific engineering program. Check with an advisor in Physics and Engineering and the student having maintained the overall average for the specific engineering program. When applicable, additional policies for specific department programs may be listed below.

**Admission Policy for the Department of Physics and Engineering Programs**

For admission to the physics program, most students should have completed, in addition to the general University requirements, one year each of high school chemistry and physics, and a minimum of three years of mathematics, including algebra and trigonometry, and be prepared to start calculus. Any student with a deficiency must complete WRT 120 and MAT 161 with grades of C- or better to be admitted to the program.

**Transfer Policy for the Department of Physics and Engineering Programs**

Transfer students must take a minimum of six credits at West Chester at the 250 level or above. A 2.0 GPA or better must be maintained for all physics courses.

**Advanced Placement Policy for the Department of Physics and Engineering Programs**

<table>
<thead>
<tr>
<th>AP Test</th>
<th>Score on AP Test</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics B</td>
<td>PHY 130</td>
</tr>
<tr>
<td>Physics C Mechanics</td>
<td>PHY 170</td>
</tr>
<tr>
<td>Physics C Electricity</td>
<td>PHY 180</td>
</tr>
</tbody>
</table>

**Faculty**

**Professors**

Kevin B. Aptowicz (kaptowicz@wcupa.edu) (2005)
Chairperson, Physics and Engineering
B.S., Columbia University; M.S., University of Colorado; Ph.D., Yale University
Anthony J. Nicastro (anicastro@wcupa.edu) (1990)
Chairperson, Physics and Engineering
B.S., B.S., M.S., Ph.D., University of Delaware

**Associate Professors**

Anil Kumar Kandalam (akandalam@wcupa.edu) (2012)
Assistant Chairperson, Physics and Engineering
B.S., Osmania University; M.Sc., University of Hyderabad; Ph.D., Michigan Technological University
Shawn Pfeil (spfeil@wcupa.edu) (2012)
B.S., University of California, San Diego; M.A., Ph.D., University of California, Santa Barbara
Jeffrey Sudol (jsudol@wcupa.edu) (2007)
B.A., Macalester College; Ph.D., University of Wyoming
Robert J. Thornton (rthornton@wcupa.edu) (2008)
B.S., Lehigh University; Ph.D., University of Hawaii
Matthew M. Waite (mwaite@wcupa.edu) (2001)
B.A., Gettysburg College; Ph.D., University of Delaware

**Assistant Professors**

Tianran Chen (tchen@wcupa.edu) (2014)
B.S., Zhejiang University; Ph.D., University of Minnesota
Brandon Mitchell (bmitchell@wcupa.edu) (2016)
B.S., SUNY Fredonia; M.S., Ph.D., Lehigh University
Ian A. Morrison (imorrison@wcupa.edu) (2016)
A.B., Bowdoin College; M.S., Ph.D., University of California, Santa Barbara
Courses

**PHY**

**PHY 100. Elements of Physical Science. 3 Credits.**

A study of motion, energy, light, and some aspects of modern physics.
Gen Ed Attribute: Science Distributive Requirement.
Typically offered in Fall & Spring.

**PHY 105. Structure of the Universe. 3 Credits.**

A survey of phenomena and objects in the universe from the very smallest distance scales to the grandest in the cosmos. Includes a historical consideration of the developments of modern theories of the physical world.
Gen Ed Attribute: Science Distributive Requirement.
Typically offered in Fall & Spring.

**PHY 115. Engineering Graphics I. 1 Credit.**

Use and preparation of engineering drawings. Topics include the use of instruments, linework, geometric construction, lettering, four types of projections, dimensioning, and sections.
Typically offered in Fall.

**PHY 116. Engineering Graphics II. 1 Credit.**

A continuation of PHY 115, to include topics such as layout, detail, and assembly drawings, developments, auxiliary drawings, various types of drafting, machine tool processes, and computer drafting.
Pre / Co requisites: PHY 116 requires prerequisite of PHY 115.
Typically offered in Spring.

**PHY 123. Food, Fire, and Physics: The Science of Cooking. 3 Credits.**

An exploration of food and cooking from a physical science perspective. Principles of soft matter physics (e.g. phase diagram, intermolecular forces, rheology, diffusion, self-assembly, polymer physics) are discussed and used to gain insight into food and cooking.
Gen Ed Attribute: Science Distributive Requirement.
Typically offered in Spring.

**PHY 125. Theology and Science: Enemies or Partners. 3 Credits.**

An inquiry into the relationship of theology to the natural sciences. Team taught by both a physicist and a philosopher, the course investigates how ideas of God have been affected by advances in physics and biology.
Typically offered in Spring.

**PHY 130. General Physics I. 4 Credits.**

LEC (3), LAB (2), DIS (1)
An introductory, noncalculus, physics course. Mechanics of solids and fluids, wave motion, heat and temperature, thermodynamics, and kinetic theory.
Gen Ed Attribute: Science Distributive Requirement.
Typically offered in Fall, Spring & Summer.

**PHY 140. General Physics II. 4 Credits.**

LEC (3), LAB (2), DIS (1)
An extension of PHY 130. Electricity and magnetism, geometrical and physical optics, and modern physics.
Pre / Co requisites: PHY 140 requires prerequisite of PHY 130.
Gen Ed Attribute: Science Distributive Requirement.
Typically offered in Fall, Spring & Summer.

**PHY 170. Physics I. 4 Credits.**

LEC (3), LAB (2), DIS (1)
An introductory laboratory-based course. Includes mechanics, kinetic theory, waves, heat, and thermodynamics. The laboratory emphasizes error analysis, the writing of technical reports, and data analysis using computers.
Pre / Co requisites: PHY 170 requires a prerequisite of MAT 161.
Gen Ed Attribute: Science Distributive Requirement.
Typically offered in Fall & Spring.

**PHY 175. Computational Physics. 3 Credits.**

This is an introductory course on the basic ideas and programming skills of computational physics, with a six-week introduction to programming given at the beginning of the course. Students will develop their own computer software to solve problems in mechanics, electrostatics, magnetism, quantum mechanics, chaos and other areas.
Pre / Co requisites: PHY 175 requires prerequisites of MAT 161, MAT 162, and PHY 170.
PHY 175 requires corequisite courses of PHY 261, MAT 311, and PHY 180.
Typically offered in Spring.

**PHY 180. Physics II. 4 Credits.**

LEC (3), LAB (2), DIS (1)
A continuation of PHY 170. Includes electricity and magnetism, geometrical and physical optics, electronics, and modern physics.
Pre / Co requisites: PHY 180 requires prerequisite of PHY 170 and co-requisite of MAT 162.
Gen Ed Attribute: Science Distributive Requirement.
Typically offered in Fall & Spring.

**PHY 240. Introduction to Modern Physics. 3 Credits.**

An atomic view of electricity and radiation, atomic theory, special relativity theory, X-rays, radioactivity, nuclear fission, and introductory quantum mechanics.
Pre / Co requisites: PHY 240 requires prerequisites of PHY 140 or PHY 180 and MAT 162.
Typically offered in Spring & Summer.

**PHY 260. Engineering Statics. 3 Credits.**

Composition and resolution of forces, equivalent force systems, equilibrium of particles and rigid bodies, centroids and center of gravity, analysis of simple structures, internal forces in beams, friction, moments and products in inertia, and methods of virtual work.
Pre / Co requisites: PHY 260 requires prerequisites of PHY 130 or PHY 170 and MAT 162.
Typically offered in Spring.

**PHY 300. Mechanics. 3 Credits.**

Particle kinematics, dynamics, energy, and momentum considerations; oscillations; central force motion; accelerated reference frames; rigid body mechanics; Lagrangian mechanics.
Pre / Co requisites: PHY 300 requires prerequisites of PHY 140 or PHY 180 and MAT 162.
Typically offered in Fall.

**PHY 310. Intermediate Physics Lab I. 3 Credits.**

LEC (1), LAB (2)
A lecture and laboratory course designed to familiarize students with modern physics laboratory equipment and practices through a series of experiments. Students write three research papers and give one research talk describing the experiments and their results in a style consistent with scientific conventions.
Pre / Co requisites: PHY 310 requires a prerequisite of PHY 240.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

**PHY 320. Intermediate Physics Lab II. 3 Credits.**

LEC (1), LAB (2)
This course is a continuation of PHY 310, a lecture and laboratory course designed to familiarize students with modern physics laboratory equipment and practices through a series of experiments. Students write three research papers and give one research talk describing the experiments and their results in a style consistent with scientific conventions.
Pre / Co requisites: PHY 320 requires a prerequisite of PHY 310.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

**PHY 330. Electronics I. 3 Credits.**

Emphasis is divided between theory and experiment. The course begins with a brief review of resistive and RC voltage dividers. Electronic circuits studied include basic operational amplifiers, timers, instrumentation amplifiers, logic circuits, flip flops, counters, and timers.
Pre / Co requisites: PHY 330 requires prerequisites of MAT 161 and PHY 140 or PHY 180.
Typically offered in Fall.

**PHY 350. Heat and Thermodynamics. 3 Credits.**

Equations of state, first and second laws of thermodynamics, ideal and real gases, entropy, and statistical mechanics.
Pre / Co requisites: PHY 350 requires prerequisite of PHY 240 or co-requisite of MAT 262.
Typically offered in Fall.
PHY 370. Mathematical Physics. 3 Credits.
Selected topics in mathematics applied to problems in physics, ordinary differential equations, vector calculus, Fourier analysis, matrix algebra, and eigenvalue problems.
Pre / Co requisites: PHY 370 requires prerequisites of MAT 261 and PHY 140 or PHY 180. Typically offered in Fall & Spring.

PHY 390. Fundamentals of Astrophysics. 3 Credits.
An advanced physics course that deals with a broad range of topics in modern astrophysics. Topics include, but are not limited to, astronomical measurements, celestial mechanics, radiative transfer theory, stellar structure, and both newtonian and relativistic cosmology.
Pre / Co requisites: PHY 390 requires prerequisites of PHY 240. Typically offered in Spring.

PHY 400. Analytical Dynamics. 3 Credits.
Wave propagation, Lagrange's equations and Hamilton's principle, rigid body motion, and special relativity.
Pre / Co requisites: PHY 400 requires prerequisites of PHY 300 and MAT 343. Typically offered in Spring.

PHY 410. Optics. 3 Credits.
Geometrical and physical optics. Reflection and refraction at surfaces, lenses, interference and diffraction, and polarization.
Pre / Co requisites: PHY 410 requires prerequisites of PHY 140 or PHY 180 and co-requisite of MAT 262. Typically offered in Fall.

PHY 420. Quantum Mechanics I. 3 Credits.
This course is an introductory quantum mechanics course. The following fundamental topics will be covered: the Schroedinger equation, Solutions to systems with stationary states (potential step, potential well, potential barrier, and harmonic oscillator), an abstract view of quantum mechanics (Dirac notation, Operator methods), the hydrogen atom, Angular momentum, and Sin.
Pre / Co requisites: PHY 420 requires prerequisites of PHY 240 and PHY 300 and MAT 343 or PHY 370. Typically offered in Fall.

PHY 425. Quantum Mechanics II. 3 Credits.
This is the second-semester quantum mechanics course. The following fundamental topics will be covered: Time-independent Perturbation Theory, the Variational Principle, the WKB approximation, time-dependent Perturbation Theory, and advanced topics.
Pre / Co requisites: PHY 425 requires a prerequisite of PHY 420. Typically offered in Spring.

PHY 430. Electricity and Magnetism I. 3 Credits.
Electrostatics of point charges and extended charge distributions, fields in dielectrics, and magnetic fields due to steady currents. Ampere's Law and induced emfs. Topics in electromagnetic waves as time permits.
Pre / Co requisites: PHY 430 requires prerequisites of PHY 300 and MAT 343 or PHY 370. Typically offered in Fall.

PHY 435. Electricity and Magnetism II. 3 Credits.
This course covers the applications of Maxwell's equations. Specific topics include: conservation laws, electromagnetic waves, guided waves, gauge transformations, retarded potentials, radiation from point charges and dipoles, and transformations of the electromagnetic field.

PHY 440. Microcomputer Electronics. 3 Credits.
Laboratory study of special circuits, integrated circuits, microcomputers, and microcomputer interface applications.
Pre / Co requisites: PHY 440 requires prerequisites of PHY 330 and MAT 343 or PHY 370. Typically offered in Spring.

PHY 450. Advanced Physics Lab I. 1 Credit.
A course to familiarize students with contemporary laboratory equipment and methods. Typically offered in Fall.

PHY 460. Advanced Physics Lab II. 1 Credit.
A continuation of PHY 450. Typically offered in Spring.

PHY 470. Seminar in Physics. 1 Credit.
Oral and written reports on approved topics. Variation in topics from year to year, depending on the interest and needs of students.
Typically offered in Spring. Repeatable for credit.

PHY 480. Special Topics in Physics. 1-3 Credits.
Topics of special interest to be presented once or twice. Enrollment requirements to be specified by the instructor. Course may be repeated by student for credit any number of times when different topics are presented.
Typically offered in Spring. Repeatable for credit.

PHY 490. Introduction to Research. 1-9 Credits.
Specific problems in consultation with the faculty adviser. Consent: Permission of the Department required to add. Typically offered in Fall. Repeatable for credit.

B.S. IN PHYSICS

College of the Sciences and Mathematics

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

<table>
<thead>
<tr>
<th>Category</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition requirements</td>
<td>6</td>
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<tr>
<td>Mathematics requirement</td>
<td>3</td>
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<tr>
<td>Public Speaking requirement</td>
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<tr>
<td>Science requirements</td>
<td>6</td>
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<td>Behavioral &amp; Social Science requirements</td>
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<td>Humanities requirements</td>
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<td>Arts requirement</td>
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<td>Diverse Communities requirement</td>
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<td>Interdisciplinary requirement</td>
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<td>Student Electives</td>
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<tr>
<td>Writing Emphasis requirements</td>
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Major Requirements 1,2

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PHY 170 Physics I</td>
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<tr>
<td>PHY 175 Computational Physics</td>
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<td>PHY 180 Physics II</td>
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<td>PHY 240 Introduction to Modern Physics</td>
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<tr>
<td>PHY 300 Mechanics 1</td>
<td>3</td>
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<tr>
<td>PHY 310 Intermediate Physics Lab I 1</td>
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<tr>
<td>PHY 320 Intermediate Physics Lab II 1</td>
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</tr>
<tr>
<td>PHY 350 Heat and Thermodynamics</td>
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<tr>
<td>PHY 370 Mathematical Physics 1</td>
<td>3</td>
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<td>PHY 420 Quantum Mechanics 1</td>
<td>3</td>
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<tr>
<td>PHY 430 Electricity and Magnetism 1</td>
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<tr>
<td>MAT 161 Calculus I</td>
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<td>MAT 162 Calculus II</td>
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<tr>
<td>MAT 261 Calculus III</td>
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<td>MAT 311 Linear Algebra</td>
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<td>MAT 343 Differential Equations</td>
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<tr>
<td>CHE 103 General Chemistry I</td>
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<td>CHE 104 General Chemistry II</td>
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<td>CRL 103 Experimental General Chemistry I (LAB)</td>
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<tr>
<td>CRL 104 Experimental General Chemistry II (LAB)</td>
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</table>

Select an additional 9 credits in physics from available electives at the 300 level or above 3,4

Free Electives 14
Select 17 credits of free electives  17

Total Minimum Credits Required  120

Physics courses at the 300-level or higher must be completed with a grade of C or better.

Some of these courses may also fulfill general education requirements.

We recommend strongly that students on the applied track take PHY 330 and PHY 410 as electives.

We recommend strongly that students on the graduate school track take PHY 425 and PHY 435.

Students must maintain a GPA of 2.0 or greater in their physics courses. Transfer students must take 15 or more physics credits at West Chester at the 300 level and above for graduation.

Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Year One</strong></td>
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<tr>
<td>WRT 120</td>
<td>Effective Writing I 1</td>
<td>3</td>
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<tr>
<td>MAT 161</td>
<td>Calculus I 1</td>
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<tr>
<td>CSC 141</td>
<td>Computer Science I 1</td>
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<td>Behavioral &amp; Social Sci Elective 1</td>
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<td>Gen. Ed. Free Elective 1</td>
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<tr>
<td>MAT 162</td>
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<tr>
<td>PHY 170</td>
<td>Physics I</td>
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<tr>
<td>WRT 2XX</td>
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<tr>
<td>Humanities Gen. Ed. Electives 1</td>
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<tr>
<td><strong>Credits</strong></td>
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<tr>
<td><strong>Year Two</strong></td>
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<td>CHE 103</td>
<td>General Chemistry I 1</td>
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<td>CRL 103</td>
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<tr>
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<td><strong>Semester Four</strong></td>
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<tr>
<td>CHE 104</td>
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<td>Experimental General Chemistry II (LAB)</td>
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<td>MAT 343</td>
<td>Differential Equations</td>
<td>3</td>
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<td>PHY 240</td>
<td>Introduction to Modern Physics</td>
<td>3</td>
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<tr>
<td>Interdisciplinary Elective 1,2</td>
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<tr>
<td>Free Elective</td>
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<td><strong>Credits</strong></td>
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<td><strong>Year Three</strong></td>
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<tr>
<td>PHY 300</td>
<td>Mechanics</td>
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<td>PHY 310</td>
<td>Intermediate Physics Lab I</td>
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<td>PHY 330</td>
<td>Electronics I</td>
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<td><strong>Semester Six</strong></td>
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<td>PHY 370</td>
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<td>PHY 320</td>
<td>Intermediate Physics Lab II</td>
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<td>PHY 430</td>
<td>Electricity and Magnetism I</td>
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<td>PHY Elective</td>
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<tr>
<td>SPK Gen Ed 1</td>
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<td><strong>Year Four</strong></td>
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<tr>
<td>PHY 420</td>
<td>Quantum Mechanics I</td>
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<td>Diverse Communities Elective 1</td>
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<td>Gen Ed Free Elective 1</td>
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<tr>
<td>Free Elective</td>
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<tr>
<td><strong>Credits</strong></td>
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<tr>
<td><strong>Total Credits</strong></td>
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</table>

1. Course fulfills the University’s General Education requirement. For a list of approved courses, consult the Undergraduate Catalog.
2. SCB 210 recommended, but not required.
3. Majors shall not be permitted more than one repeat of a Physics course.
4. Upper level courses (numbered 300 or above) must be completed with a grade of C or higher.
5. All Physics electives must be at the 300 level or above.

B.S. IN PHYSICS/B.S. IN ENGINEERING

College of the Sciences and Mathematics

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

| English Composition requirements | 6 |
| Mathematics requirement | 3 |
| Public Speaking requirement | 3 |
| Science requirements | 6 |
| Behavioral & Social Science requirements | 6 |
| Humanities requirements | 6 |
| Arts requirement | 3 |
| Diverse Communities requirement | 3 |
| Interdisciplinary requirement | 3 |
| Student Electives | 9 |
| Writing Emphasis requirements | 9 |

Major Requirements

| PHY 115 | Engineering Graphics I | 1 |
| PHY 116 | Engineering Graphics II | 1 |
| PHY 170 | Physics I | 4 |
B.S. in Physics, West Chester University and B.S. in Engineering from Case Western Reserve University, Columbia University, Pennsylvania State University, or Philadelphia University

Program

Cooperative Physics-Engineering Dual-Degree Programs

B.S. in Physics, West Chester University and B.S. in Engineering from Case Western Reserve University, Columbia University, Pennsylvania State University, or Philadelphia University

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year One</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Semester One</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAT 161</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>PHY 260</td>
<td>Engineering Statics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 300</td>
<td>Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 310</td>
<td>Intermediate Physics Lab I</td>
<td>3</td>
</tr>
<tr>
<td>PHY 320</td>
<td>Intermediate Physics Lab II</td>
<td>3</td>
</tr>
<tr>
<td>Select an additional nine credits in physics at or above the 300 level must be chosen, depending on the engineering area selected</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Related/Cognate Requirements</td>
<td></td>
<td></td>
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<tr>
<td>CSC 141</td>
<td>Computer Science I</td>
<td>3</td>
</tr>
<tr>
<td>MAT 161</td>
<td>Calculus I</td>
<td>4</td>
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<tr>
<td>MAT 162</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MAT 261</td>
<td>Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>MAT 343</td>
<td>Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>CHE 103</td>
<td>General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHE 104</td>
<td>General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CRL 103</td>
<td>Experimental General Chemistry I (LAB)</td>
<td>1</td>
</tr>
<tr>
<td>CRL 104</td>
<td>Experimental General Chemistry II (LAB)</td>
<td>1</td>
</tr>
<tr>
<td>Total Minimum Credits Required</td>
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<td>120</td>
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</table>

1. Physics courses at the 300-level or higher must be completed with a grade of C or better.
2. Some of these courses may meet general education requirements.

In addition, students intending to enroll in mining engineering must have ESS 101 and ESS 201; and in petroleum and natural gas engineering, ESS 101 and ESS 201. Students intending to enroll in electrical or nuclear engineering should take PHY 370 and PHY 420.

Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

Cooperative Physics-Engineering Dual-Degree Programs

Year Two

Semester Three

MAT 261 Calculus III                                                                 | 4
MAT 311 Linear Algebra                                                              | 3
PHY 180 Physics II                                                                 | 4
CHE 103 General Chemistry I                                                       | 3
CRL 103 Experimental General Chemistry I (LAB)                                      | 1
Behav. & Soc. Gen. Ed. Elective                                                   | 3

Credits                                                                 | 18

Semester Four

MAT 343 Differential Equations                                                   | 3
PHY 240 Introduction to Modern Physics                                          | 3
PHY 260 Engineering Statics                                                     | 3
CHE 104 General Chemistry II                                                    | 3
CRL 104 Experimental General Chemistry II (LAB)                                 | 1
PHI 180 Introduction to Ethics                                                  | 3

Credits                                                                 | 16

Year Three

Semester Five

PHY 300 Mechanics                                                                 | 3
PHY 310 Intermediate Physics Lab I                                              | 3
PHY Elective                                                                    | 3
T Course                                                                       | 3
3-2 Elective Course                                                            | 3

Credits                                                                 | 15

Semester Six

PHY 320 Intermediate Physics Lab II                                              | 3
PHY Elective                                                                    | 3
PHY Elective                                                                    | 3
3-2 Elective Course                                                            | 3
3-2 Elective Course                                                            | 3

Credits                                                                 | 15

Total Credits                                                               | 99

1. See prerequisites in Undergraduate Catalog.
2. Course fulfills the University’s General Education requirement. For a list of approved courses, consult the Undergraduate Catalog.
3. This course is strongly recommended, but not required.
4. The nine credits of Physics electives must be selected from among the following options: PHY 330, PHY 350, PHY 370, PHY 410, PHY 420, and PHY 430. Speak with your advisor about the appropriate elective for your engineering discipline.
5. SCB 210 recommended, but not required.
6. The 3-2 Elective Courses should be selected to satisfy course requirements at the engineering institution. Recommended courses for each institution are: Pennsylvania State University: ENG 371, an Art Course, a Health Course, or a course that fulfills the requirement of a particular major. Philadelphia University: a History course, an Art course, a Language or Geography course, a Literature course, or a Philosophy course. You should consult with your advisor about specific courses.

1. Majors will not be permitted to repeat any physics courses more than once.
2. Upper-level courses (numbered 300 or above) must be completed with a grade of C or higher.
3. MAT 161, MAT 162, PHY 170, and CHE 103/CRL 103 must be completed with a grade of C or higher.

Transfer to Pennsylvania State University or to Philadelphia University is contingent upon recommendation by the Department and having a minimum GPA of 3.0.

Note: The program with Penn State is not available to transfer students and must be completed in three years. These restrictions do not apply to the program with Philadelphia University. In addition, Penn State is currently not accepting 2-3 students into Aerospace Engineering, Architectural Engineering, Bio-engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Industrial Engineering, Mechanical Engineering, Nuclear Engineering, Petroleum and Natural Gas Engineering.

Students intending to enroll in Electrical Engineering should take PHY 330 and PHY 430.

Course recommendations for students matriculating to Case Western Reserve University:
- Students are encouraged to take PHY 370 as a physics elective.
- Each specific engineering major has unique additional recommended courses. Students should consult the website for the Dual Degree Program at Case Western pertaining to their major of interest for other recommendations. Note: If these courses cannot be fulfilled, they will be integrated into the curriculum, which may possibly extend the program timeline.

Course recommendations for students matriculating to Columbia University:
- Students should consult the document titled The Combined Plan Program at Columbia University for information about foundational and major-specific prerequisite coursework that must be completed at WCU.

Course recommendations for students matriculating to Pennsylvania State University:
- The 3-2 elective courses should be selected to satisfy course requirements at Penn State. Recommended courses: ENG 371, an art course, a health course, or a course that fulfills the requirement of a particular major. See Penn State's "Check Sheet."

Course recommendations for students matriculating to Philadelphia University:
- Diversity Course Recommendation: A class considered a Global Diversity (GDIV) class or an American Diversity (ADIV) class should be selected. Course areas considered as GDIV include Cultural Anthropology, World or Comparative Religions, Cultural Geography, Foreign Language, or World Literature (literature with a global focus). Course subjects considered as ADIV include U.S. Literature, African-American History, African-American Literature, American Studies, or other specialized courses that focus on U.S. minority populations.
- PHI 180 and a second diversity course (whatever was not taken--ADIV or GDIV--in the "J" course slot). The third 3-2 elective course can be any 3-credit course.
- Students intending to enroll in mechanical engineering should take PHY 330, PHY 350, and PHY 370.

B.S.ED. IN PHYSICS

College of the Sciences and Mathematics

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

<table>
<thead>
<tr>
<th>Category</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition requirements</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics requirement</td>
<td>3</td>
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<tr>
<td>Public Speaking requirement</td>
<td>3</td>
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<tr>
<td>Science requirements</td>
<td>6</td>
</tr>
<tr>
<td>Behavioral &amp; Social Science</td>
<td>6</td>
</tr>
<tr>
<td>Humanities requirements</td>
<td>6</td>
</tr>
<tr>
<td>Arts requirement</td>
<td>3</td>
</tr>
<tr>
<td>Diverse Communities requirement</td>
<td>3</td>
</tr>
<tr>
<td>Interdisciplinary requirement</td>
<td>3</td>
</tr>
<tr>
<td>Student Electives</td>
<td>9</td>
</tr>
<tr>
<td>Writing Emphasis requirements</td>
<td>9</td>
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</tbody>
</table>

Major Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>PHY 170 Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHY 180 Physics II</td>
<td>4</td>
</tr>
<tr>
<td>PHY 240 Introduction to Modern Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 300 Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 310 Intermediate Physics Lab</td>
<td>3</td>
</tr>
<tr>
<td>PHY 320 Intermediate Physics Lab</td>
<td>3</td>
</tr>
<tr>
<td>PHY 330 Electronics 1</td>
<td>3</td>
</tr>
<tr>
<td>PHY 410 Electronics 2</td>
<td>3</td>
</tr>
<tr>
<td>or PHY 430 Electricity and Magnetism I</td>
<td>3</td>
</tr>
</tbody>
</table>

Related/Cognate Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 161 Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MAT 162 Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MAT 261 Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>MAT 343 Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>or PHY 370 Mathematical Physics</td>
<td></td>
</tr>
<tr>
<td>CHE 103 General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHE 104 General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CRL 103 Experimental General Chemistry I (LAB)</td>
<td>1</td>
</tr>
<tr>
<td>CRL 104 Experimental General Chemistry II (LAB)</td>
<td>1</td>
</tr>
<tr>
<td>CSC 141 Computer Science I</td>
<td>3</td>
</tr>
<tr>
<td>PHY 105 Structure of the Universe</td>
<td>3</td>
</tr>
<tr>
<td>or ESS 111 Other Worlds, Other Stars</td>
<td></td>
</tr>
</tbody>
</table>

Select one elective in biology

Professional Certification Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDP 250 Educational Psychology</td>
<td>3</td>
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<tr>
<td>EDP 300 Democracy and Education</td>
<td>3</td>
</tr>
<tr>
<td>EDA 103 Foundations of Special Education</td>
<td>3</td>
</tr>
<tr>
<td>EDA 304 Special Ed Processes/Procedures for Secondary Educators</td>
<td>3</td>
</tr>
<tr>
<td>EDR 347 Literacy Development and Secondary Students with Disabilities in Inclusive Classrooms</td>
<td>3</td>
</tr>
<tr>
<td>LAN/ENG 382 Teaching English Language Learners PK-12</td>
<td>3</td>
</tr>
<tr>
<td>EDS 306 Teaching Principles and Field Experience in Secondary Schools</td>
<td>3</td>
</tr>
<tr>
<td>SCE/SCB 350 Science Education in the Secondary School</td>
<td>3</td>
</tr>
<tr>
<td>EDS 411 Student Teaching Sec - 1st Half</td>
<td>6</td>
</tr>
<tr>
<td>EDS 412 Student Teaching Sec - 2nd Half</td>
<td>6</td>
</tr>
</tbody>
</table>

Total Minimum Credits Required: 127

1 Physics courses at the 300-level or higher must be completed with a grade of C or better.
2 Some of these courses may meet general education requirements.
Students must maintain a GPA of 2.0 or greater in their physics courses. Transfer students must take nine or more physics credits at West Chester at the 250 level and above for graduation. See the Educator Preparation Programs (p. 266) section of this catalog for an explanation of related requirements.

**Sample Course Plan**

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Year One</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Semester One</strong></td>
<td></td>
<td></td>
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<tr>
<td>MAT 161</td>
<td>Calculus I 1</td>
<td>4</td>
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<tr>
<td>CSC 141</td>
<td>Computer Science I</td>
<td>3</td>
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<tr>
<td>WRT 120</td>
<td>Effective Writing I 1</td>
<td>3</td>
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<tr>
<td>SPK 208 or SPK 230</td>
<td>Public Speaking 1 or Business and Professional Speech Communication</td>
<td>3</td>
</tr>
<tr>
<td>ANT, PSY, SOC, ECO, GEO, PSC - Behavioral &amp; Social Sciences Course 1</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Credits</strong></td>
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<td>16</td>
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<tr>
<td><strong>Semester Two</strong></td>
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</tr>
<tr>
<td>MAT 162</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>PHY 170</td>
<td>Physics I</td>
<td>4</td>
</tr>
<tr>
<td>WRT 200</td>
<td>Critical Writing and Research 1</td>
<td>3</td>
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<tr>
<td>LIT - Humanities Course 1</td>
<td></td>
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<tr>
<td>Arts Course 1</td>
<td></td>
<td>3</td>
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<tr>
<td><strong>Credits</strong></td>
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<tr>
<td><strong>Year Two</strong></td>
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<td></td>
</tr>
<tr>
<td><strong>Semester Three</strong></td>
<td></td>
<td></td>
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<tr>
<td>MAT 261</td>
<td>Calculus III</td>
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<tr>
<td>PHY 180</td>
<td>Physics II</td>
<td>4</td>
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<tr>
<td>CHE 103</td>
<td>General Chemistry I 1</td>
<td>3</td>
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<tr>
<td>CRL 103</td>
<td>Experimental General Chemistry I (LAB) 1</td>
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<tr>
<td>PHY 105</td>
<td>Structure of the Universe</td>
<td>3</td>
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<tr>
<td>EDP 250</td>
<td>Educational Psychology 2</td>
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<tr>
<td><strong>Credits</strong></td>
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<tr>
<td><strong>Semester Four</strong></td>
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<tr>
<td>MAT 343 or PHY 370</td>
<td>Differential Equations or Mathematical Physics</td>
<td>3</td>
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<tr>
<td>PHY 240</td>
<td>Introduction to Modern Physics</td>
<td>3</td>
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<tr>
<td>CHE 104</td>
<td>General Chemistry II</td>
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<td>CRL 104</td>
<td>Experimental General Chemistry II (LAB) 1</td>
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<tr>
<td>EDA 103</td>
<td>Foundations of Special Education</td>
<td>3</td>
</tr>
<tr>
<td>EDF 300</td>
<td>Democracy and Education 3</td>
<td>3</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td></td>
<td>16</td>
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<tr>
<td><strong>Year Three</strong></td>
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<td></td>
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<tr>
<td><strong>Semester Five</strong></td>
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<tr>
<td>PHY 300</td>
<td>Mechanics</td>
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<tr>
<td>PHY 310</td>
<td>Intermediate Physics Lab I</td>
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<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EDA 304</td>
<td>Special Ed Processes/Procedures for Secondary Educators 4</td>
<td>3</td>
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<tr>
<td>EDR 347</td>
<td>Literacy Development and Secondary Students with Disabilities in Inclusive Classrooms</td>
<td>3</td>
</tr>
<tr>
<td>Free Electives 1</td>
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<td>6</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
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<tr>
<td><strong>Semester Six</strong></td>
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<td>PHY 320</td>
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<td>3</td>
</tr>
<tr>
<td>LAN 382</td>
<td>Teaching English Language Learners PK-12 5</td>
<td>3</td>
</tr>
<tr>
<td>EDS 306</td>
<td>Teaching Principles and Field Experience in Secondary Schools 6</td>
<td>3</td>
</tr>
<tr>
<td>HIS or PHI - Humanities Elective 1</td>
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<td>3</td>
</tr>
<tr>
<td>BIO - Biology Elective 1</td>
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<tr>
<td>Free Elective 1</td>
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<tr>
<td><strong>Credits</strong></td>
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<td><strong>Semester Eight</strong></td>
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<tr>
<td>EDS 411</td>
<td>Student Teaching Sec - 1st Half</td>
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<td>EDS 412</td>
<td>Student Teaching Sec - 2nd Half</td>
<td>6</td>
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<tr>
<td>Elective 3</td>
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<td><strong>Credits</strong></td>
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</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td>133</td>
</tr>
</tbody>
</table>

1 Course fulfills the University’s General Education requirement. For a list of approved General Education courses, consult the Undergraduate Catalog.
2 Includes 20 hours of Stage 1 field experience (requires clearances).
3 Course fulfills the University’s General Education Interdisciplinary course requirement. For a list of approved General Education courses, consult the Undergraduate Catalog.
4 Includes 20 hours of Stage 2 field experience (requires clearances).
5 Course fulfills the University’s General Education Diverse Communities course requirement. For a list of approved General Education courses, consult the Undergraduate Catalog.
6 Includes Stage 3 field experience (requires clearances).

**Requirements for Formal Admission to Teachers Education (FATE)**

Check the College of Education and Social Work for current FATE requirements (http://www.wcupa.edu/education-socialWork/fate.aspx).

**MINOR IN PHYSICS**

College of the Sciences and Mathematics

**Curriculum**

The program can be used as technical preparation to complement work in other scientific or nonscientific areas, e.g., Business majors interested in careers in technologically oriented industries, majors interested in technical or scientific sales, English majors interested in technical...
DEPARTMENT OF POLITICAL SCIENCE

College of the Sciences and Mathematics
205 Ruby Jones Hall
610-436-2743
Department of Political Science (http://www.wcupa.edu/politicalScience)
Frauke Schnell (fschnell@wcupa.edu), Chairperson
Linda Stevenson (lstevenson@wcupa.edu), Assistant Chairperson

The department offers a Bachelor of Arts in Political Science with four concentrations. The objective is to provide programs tailored to each student's career goals and still to allow a wide range of options after graduation. All four B.A. programs are intended for students with an interest in government and public service, journalism, business, education, and the law.

The department offers qualified students the opportunity to do an internship and earn academic credits for it. The main goal is for students to complement their classroom learning with experiential learning through their work in an organizational setting. To start the process, students should speak with the department chair.

Programs of Study

- **B.A. in Political Science: Government and Politics** is a liberal arts program exposing students to specific areas of political science, which include the study of "institutions" (government) and "behaviors" (politics).

- **B.A. in Political Science: Applied Public Policy** is for students who are interested in the practical application of political science in a variety of professional settings.

- **B.A. in Political Science: International Relations** is for students with a primary interest in international affairs and includes relevant cognates in several disciplines.

- **B.A. in Political Science: Elective Social Studies Teacher Certification** is designed for students with an interest in earning a political science degree and becoming certified to teach at the secondary education level.

The department also sponsors Pre-Law advising, the Law Society, and the Political Science Club.

**Mission Statement**

**Department Mission**

The mission of the Department of Political Science is to promote scholarship and civic engagement among students at West Chester University. The department provides a comprehensive curriculum that exposes students to the principle subfields and knowledge of the discipline and encourages critical analysis, information literacy, and communication skills. As globalization increases the interdependence of nations, the department also envisions part of its mission as educating students to view politics from diverse global perspectives. The department prepares students for careers in government/public service, law, teaching, business and international affairs, and admission to various advanced-degree programs. Through internship programs, service learning, simulations, and other curricular and co-curricular activities, the department offers students experience in politics, government, and the law. Actively involved in research, teaching, and applied scholarship, the political science faculty serve as mentors to students seeking academic challenge and civic involvement in an environment that values diversity. Overall, the department provides students with an excellent foundation for a broad range of career and professional goals.

**Learning Goals and Outcomes**

The Department of Political Science strives to provide students with the following:

1. **Knowledge:** Students will demonstrate knowledge of the discipline of political science and its subfields in terms of content, purpose, and methods and will be able to transfer and apply this knowledge in applied settings inside and outside the classroom.

2. **Information literacy:** Students will develop the knowledge and skills necessary to identify the information needed for a task, critically evaluate the sources and content of information, and use that information efficiently and effectively within appropriate ethical and legal limits.

3. **Critical and analytical thinking:** Students will develop and master critical thinking and analytical reasoning skills. This includes the ability to apply major methodological tools in political science to effectively describe, explain, and predict political phenomena.

4. **Oral and written communication skills:** Majors will demonstrate the necessary oral and written skills to convey their knowledge about political science to others.

5. **Global perspectives:** Students will develop the ability to view politics from diverse global perspectives and will understand the interconnectedness of political processes, cultures, and institutions.

**Programs**

**Majors in Political Science**

- **B.A. in Political Science - Government and Politics Concentration** (p. 443)
- **B.A. in Political Science - Applied Public Policy Concentration** (p. 443)
- **B.A. in Political Science - International Relations Concentration** (p. 444)

**Minors in Political Science**

- **Political Science** (p. 444)
- **Law, Politics and Society** (p. 445)
- **Global Studies** (p. 445)

**Certificates in Political Science**

- **Elective Social Studies Teacher Certification** (p. 312)

**Graduate Opportunities**

See the graduate catalog for more information on the Political Science program offered through the Department of Public Policy and Administration (http://catalog.wcupa.edu/graduate/business-public-management/public-policy-administration).
DEPARTMENT OF POLITICAL SCIENCE

Policies

- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

Rules Applying to All B.A. Students in Political Science

1. Students must complete the last 15 hours of their political science program at West Chester University, including PSC 401. Exceptions may only be granted by the chair of the department for compelling personal reasons. (Examples: A student’s family has moved a great distance, and he or she needs to complete only one or two courses; the student and/or the student’s spouse has been relocated to another state by his/her employer.)
2. Students must have a C average or better in all political science courses, and no more than two grades below C in political science courses. A grade of C- is considered a grade below C.
3. Internal transfers must have an overall cumulative average of 2.0 to enter any political science programs.

Additional Requirements for Student Teaching and Certification

To apply for formal admission to the Department of Educational Foundations and Policy Studies (p. 263) and to register for the last three semesters of education methods and student teaching courses, students must
1. complete at least 48 credits, including the academic foundation requirements of writing, literature, and two math courses;
2. attain an overall GPA of 2.80 or better;
3. successfully pass the reading, math, and writing sections on the Pre-Service Academic Performance Assessments (PAPA).

To receive the social studies teaching certificate, students must
1. complete all of the required education courses listed above with a "C" or better;
2. complete the required courses for the political science major;
3. attain an overall GPA of 3.0 or better;
4. successfully pass the Praxis II social studies major content exam.

See the Educator Preparation Programs (p. 266) section of this catalog for an explanation of related requirements.

Faculty

Professors
John J. Kennedy (jkennedy@wcupa.edu) (2001)
B.S., M.P.A., Kutztown University; Ph.D., Temple University
Peter H. Loedel (pleodel@wcupa.edu) (1996)
B.A., B.A., M.A., Ph.D., University of California, Santa Barbara
Frauke I. Schnell (fschnell@wcupa.edu) (1992)
Chairperson, Political Science
B.A., University of Tuebingen (Germany); M.A., Ph.D., State University of New York at Stony Brook
Linda S. Stevenson (lstevenson@wcupa.edu) (2002)
Assistant Chairperson, Political Science
B.A., College of Wooster; M.A., Ph.D., University of Pittsburgh

Associate Professors
Ashlie B. Delshad (adelshad@wcupa.edu) (2011)
B.A., Austin College; M.A., Ph.D., Purdue University
Duane D. Milne (dmline@wcupa.edu) (1999)
B.A., College of William and Mary; Ph.D., University of Delaware
Chris Stangle (cstangle@wcupa.edu) (2006)
B.S., Drake University; M.A., Ph.D., University of Wisconsin-Madison

Assistant Professor
Jenna Becker Kane (jbecker@wcupa.edu) (2016)
B.S., Arizona State University; M.A., East Stroudsburg University of Pennsylvania; Ph.D., Temple University

Courses

GST

GST 110. Introduction to Global Studies. 3 Credits.
This course focuses on the transnational processes, issues, and topics that are key to understanding globalization. This course will formally employ perspectives and concepts from three disciplines: political science, economics, and sociology. However, this course will also draw upon a number of other disciplines: culture and language, history and geography (“time and place”), as well as philosophy. This course will also have a strong multicultural content with an emphasis on how values impact a range of policy issues: trade, money, development, population, hunger, overpopulation, climate change, culture, environment, democracy, and security.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Fall & Spring.

GST 402. Capstone Seminar: Global Engagement and Citizenship. 3 Credits.
This capstone seminar in the Global Studies Minor will provide the opportunity to take stock of the coursework and experiences obtained through either Track I on Arts and Humanities, or Track II on Social Sciences, Education and Health Sciences of the GST Minor, by exercising their critical thinking and communications skills through a select set of “classic” and current readings, to integrate, synthesize, and apply the concepts, theories and information they have learned to current and evolving world scenarios. Concurrently, students will elaborate, propose, research, write and present an individual final Global Studies project.
Pre/Co requisites: GST 402 requires a prerequisite of GST 110.
Typically offered in Spring.

HBI

HBI 400. Harrisburg Internship Seminar (THIS). 9 Credits.
A full-semester internship in Pennsylvania state government. Student intern is placed in cabinet-level or legislative office. Placement (9 cr.); Policy Research Project (E CR.); Policy Seminar (3 cr.). The internship is open to any junior or senior student, regardless of major, who has a minimum GPA of 3.5. Stipend involved.

HBI 401. Intern Project (THIS). 3 Credits.
A full-semester internship in Pennsylvania state government. Student intern is placed in cabinet-level or legislative office. Placement (9 cr.); Policy Research Project (E CR.); Policy Seminar (3 cr.). The internship is open to any junior or senior student, regardless of major, who has a minimum GPA of 3.5. Stipend involved.

HBI 402. Intern Seminar (THIS). 3 Credits.
A full-semester internship in Pennsylvania state government. Student intern is placed in cabinet-level or legislative office. Placement (9 cr.); Policy Research Project (E CR.); Policy Seminar (3 cr.). The internship is open to any junior or senior student, regardless of major, who has a minimum GPA of 3.5. Stipend involved.

PSC

PSC 100. U.S. Government and Politics. 3 Credits.
Devoted to understanding how the system works: political action, elections, interest groups, civil liberties, Congress, the presidency, and the courts are among the topics considered. Seeks to provide a framework in terms of which process and current issues become meaningful.
Gen Ed Attribute: Behavioral and Social Science Distributive.
Typically offered in Fall, Spring & Summer.
PSC 101. Politics of Diversity in the U.S. 3 Credits.
Uses the issues of our time as vehicles to an understanding of the political process. Emphasis is on American politics but in a world-wide perspective. Topics considered may include economic, race, gender, and civil liberty issues among others.
Gen Ed Attribute: Behavioral and Social Science Distributive, Diversity Requirement.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

PSC 200. Political Analysis. 3 Credits.
Incorporates techniques for analyzing political questions logically and systematically, and introduces basic research design and methodological and library usage skills appropriate to the political science discipline.
Pre / Co requisites: PSC 100 requires prerequisite of PSC 100.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall, Spring & Summer.

PSC 202. Elements of Public Administration. 3 Credits.
Considers public administration in the United States as a process of implementing public policy. Uses case studies and projects with texts focusing on organizational theory, human behavior and motivation, budgeting, personnel, and administrative responsibility.
Typically offered in Fall & Spring.

PSC 213. International Relations. 3 Credits.
Politics among nations, including policies carried on through international organizations. Examines power politics, techniques of diplomacy, and methods of current international organizations. Special attention to U.S. interests and policies. Offered each semester.
Gen Ed Attribute: Behavioral and Social Science Distributive.

PSC 230. Introduction to Political Thought. 3 Credits.
Examination of key ideas that animated the great thinkers of Western thought. Special emphasis will be placed both on specific historical context and possibility of continuing relevance of considered ideas. Class will conclude with in-depth “case study” of contemporary dilemma that forces student to examine to what extent past ideas can aid our understanding of our present political landscape.
Gen Ed Attribute: Writing Emphasis.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

PSC 240. Introduction to Comparative Politics. 3 Credits.
An introduction to the comparative study of political systems at various stages of cultural, social, economic, and political development.
Typically offered in Fall, Spring & Summer.

PSC 250. The Politics of the Judicial Process. 3 Credits.
The courts are the least democratic of the major American political institutions. Yet, the role of the courts is also essential to maintaining not only the rule of law, but the basic rights necessary to maintain a functioning democratic republic. In this course, we will critically analyze the American legal system in terms of its democratic nature and its essential functions for society. Topics explored include, the role of law in society, the structure and functioning of judicial institutions, the selection and behavior of judges, the function and role of lawyers and interest groups in the legal process, and the role of judges in the policy making process. We will examine both state and federal courts and both trial and appellate courts, including the United State Supreme Court. Our focus in this course will be on legal actors and institutions rather than legal doctrine or specific court decisions.
Typically offered in Fall.

PSC 301. Women and Politics. 3 Credits.
The role of women in politics is surveyed. Considerations include the relationship between the sexes as it impacts politics.
Gen Ed Attribute: Diversity Requirement.

PSC 304. Urban Politics. 3 Credits.
This course examines the politics of governing American urban areas. In doing so, a number of social science perspectives are explored. Particular attention is paid to theories of urban power and democracy and the politics of urban development.
Gen Ed Attribute: Interdisciplinary Requirement.

PSC 310. The United States and Latin America. 3 Credits.
This course examines U.S. relations with the nations of Latin America. Emphasis is on understanding the goals of U.S. policies and the real impact of those policies. U.S. views of Latin America, both contemporary and historical, are explored as are Latin American attitudes and views toward the United States. The extent to which the United States has been motivated in its dealing by great power hegemonic concerns, economic self interests (dollar diplomacy), cultural imperialism, human rights, and desire to champion democratic governance are all examined. Contemporary concerns with promoting market economics, narcotic trafficking, and immigration are also considered.

PSC 311. Russian Foreign Policy. 3 Credits.
Emphasis on Soviet-American relations since 1945 and a comparison of the two societies. Topics treated include the influence of Marxism, Great Russian nationalism, and historical experience on Soviet foreign relations.

PSC 315. The European Union. 3 Credits.
This course examines the politics, policies, and institutional processes of the European Union. Theoretical and analytical approaches will be employed to understand the historical and institutional development of the EU as well as current EU-US relations. Experiential learning via a simulation will be part of the course.
Typically offered in Fall.

PSC 317. Contemporary International Relations. 3 Credits.
Recent issues and problems with special emphasis on superpower behavior around the world. Also, third world revolutions, international terrorism, human rights, international law and the United Nations, and the changing international economic order.

PSC 318. International Political Economy. 3 Credits.
The focus is the politics of international economic relations. Alternative analytical and theoretical perspectives will be examined for their value in helping to understand and evaluate the historical developments and current operation of the global economy. Special attention is given to system governance (international regimes such as the World Trade Organization and the International Monetary Fund) and the ability of the nations of the world to provide stability to the international political economy. The primary objective of this course is to develop analytical and theoretical skills in the application of various international political economy perspectives (liberalism, mercantilism, Marxism/structuralism) which examine the interrelationship between states and markets.
Gen Ed Attribute: Interdisciplinary Requirement.

PSC 319. Middle Eastern Politics. 3 Credits.
Topics include the Arab-Israeli conflict, the politics of the Persian Gulf, the role of OPEC, and the superpower conflict in the region.

PSC 320. U.S. Foreign Policy. 3 Credits.
Principles of U.S. Foreign policy; processes of policy formulation; roles and influences of the President, Congress, the State Department (and other government agencies), media, and interest groups. Topics include national security and intelligence analysis, terrorism, Cold War, economics/trade, and international organizations.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall, Spring & Summer.

PSC 322. Public Opinion, Media and Politics. 3 Credits.
This course examines the dynamics of public opinion and public policy. It also closely examines the nature of public opinion measurement and the vital role the national and international media are playing in forming and changing public opinion. Various theories about media effects are analyzed.

PSC 323. Racial/Ethnic Politics. 3 Credits.
This course examines the relationship between racial and ethnic groups’ political behavior and the American political system’s response to them in terms of its public policies.
Gen Ed Attribute: Diversity Requirement.

PSC 324. U.S. Political Parties. 3 Credits.
Patterns, functions, and history of the American political party system at national, state, and local levels. Theoretical and empirical studies of political interest groups, public opinion, and voting behavior.

PSC 325. Campaigns and Elections. 3 Credits.
This course analyzes American elections and voting behavior, with an emphasis on recent presidential elections. Course objectives include understanding American voting patterns in elections.
PSC 329. Courts, Law and Policy. 3 Credits.
This course examines the judicial branch as an actor in law-making and policy-setting, not merely interpreting legal texts. It examines the advisability of the courts playing such a role and their potential effectiveness in doing so. Typically, this will include a focused case study on a policy area of contemporary relevance.
Pre / Co requisites: PSC 329 requires a prerequisite of PSC 250.
Typically offered in Spring.

PSC 330. Politics of the Holocaust and Genocide. 3 Credits.
This course examines the political causes of the Holocaust and genocide both in a historical and current context. Case studies include the Jews in Europe as well as the Americans and Cambodians.

PSC 339. Contemporary Political Thought. 3 Credits.
Consideration of the most influential political thinkers over roughly the last one hundred years. While emphasis will be placed on particular thinkers, course will be organized around key topics such as: What is justice and how much should the government do to ensure it? To what extent are human- and by extension, collections of humans that wield political power - capable of rational behavior? In what ways can competing values clash and how do we decide which ones to promote forcefully?

PSC 340. Latin American Culture and Politics. 3 Credits.
This course invites students to conduct comparative analysis of political cultures, parties, and decision-making, ideologies and political processes across the Latin American region. Students will learn how to explain the complexities of race, class and gender in Latin American social structures, relating historical, economic and cultural legacies to analysis on contemporary issues.
Distance education offering may be available. Typically offered in Fall, Spring & Summer.

PSC 342. European Politics. 3 Credits.
Comparative analysis of political cultures, parties, and decision-making processes in principal European political systems. Strong focus on major European nation states: France, Germany, UK and Italy. Additional attention given to the European Union.
Gen Ed Attribute: Foreign Language Culture Cluster, France & Francophone Area Culture Cluster, Germany Culture Cluster, Italy (Italian) Culture Cluster.
Typically offered in Fall & Spring.

PSC 343. Culture and Politics of Asia. 3 Credits.
Study of cultural, philosophical, and political systems of modern Asia with special emphasis on China, Japan, and India.
Gen Ed Attribute: Writing Emphasis.

PSC 346. Russian Government and Politics. 3 Credits.
Marxism-Leninism, the functioning of the political system, and its domination of all areas of Soviet life. Some brief attention to the conduct of Soviet foreign policy.
Gen Ed Attribute: Foreign Language Culture Cluster, Russia & Eastern Europe Culture Cluster.

PSC 348. African Politics and Society. 3 Credits.
The course explores African politics, economics, and society through the critical lens of structuralist analysis. A strong focus on the historical and colonial framework’s impact on current African developments will be emphasized. Case studies, political analysis, and current events will be used to illustrate the common misperceptions of Africa today.
Gen Ed Attribute: Diversity Requirement.

PSC 350. Constitutional Law I: Government Institutions: Power and Constraints. 3 Credits.
Survey of power relationships among branches of government (checks and balances) and between levels of government (federalism). Course will be guided by focus on important constitutional provisions and historically critical Supreme Court decisions, but with time reserved for specific focus on areas of high contemporary interest (detainee treatment and the war on terror, globalization and the U.S. economy, takings of private property).

PSC 351. Energy and the Political Process. 3 Credits.
Stresses the process of policy making and implementation in the field of energy. Emphasis also is given to foreign policy and natural security implications.

PSC 352. Constitutional Law II: Civil Liberties and Civil Rights. 3 Credits.
Examination of relationship between government and its citizens, both in terms of restrictions on government interference with the individual freedom (civil liberties) and obligations on government to prevent discrimination and ensure equality (civil rights). Heaviest focus will be on the constituent clauses of both the First (free speech, free press, free assembly, and the religion clauses) and the Fourteenth Amendments (equal protection and due process).

PSC 353. Latino Politics. 3 Credits.
This is a “hands on” course for upper-level social science students as research methods are explored and put into practice in coordination with local organizations working with Latinos. Service learning projects with Latinos in the region are required. Content material included demographics of Hispanics in the United States, critical theories from Latino perspectives, interdisciplinary immigration studies, and Hispanic perspectives in relation to social welfare, education, employment, crimes and justice, and politics.
Consent: Permission of the Department required to add.

PSC 354. Environmental Politics and Policy. 3 Credits.
This course explores the politics of governing the environment both nationally and globally. During the semester students will investigate the policymaking process as it relates to current environmental challenges.

PSC 355. Congressional Politics. 3 Credits.
Deals with the internal and external factors that influence Congressional behavior, including the roles of constituents, pressure groups, parties, the committee system, rules, and the leadership. Their relationships to the president and court structure and their impact on electoral politics also are considered. Comparisons with state legislatures.

PSC 356. US Public Policy. 3 Credits.
Policy formation and execution. Policy areas considered vary from semester to semester. May include role-playing.

PSC 357. Advanced Political Analysis. 3 Credits.
Discussion and application of research design, conceptualization, measurement, operationalization, research models, sampling, and data analysis for political science.

PSC 358. Applied Public Policy Analysis. 3 Credits.
An examination of public policy issues of state or national concern. Both analysis of current policy and research resulting in new policy recommendations will be included.

PSC 359. Presidential Politics. 3 Credits.
In-depth analysis of the nature and significance of the American presidency, including constitutional development, presidential roles and customs, the recruitment process, the executive branch, and the politics of the presidency.

PSC 370. Pennsylvania Government & Politics. 3 Credits.
This class will explore Pennsylvania’s political system from both a historical and contemporary perspective. It will include analysis and evaluation of the legislative, executive and the judicial branches of the state’s government. The political history of Pennsylvania, particularly in regards to elections in the Commonwealth will be focused upon in detail as will contemporary events and policy. Typically offered in Spring.

PSC 371. State and Local Government. 3 Credits.
Examination of the organization, functions, and politics of state and local government, including analysis of politics in states, counties, cities, and towns in urban, suburban, and rural areas. Intergovernmental relations in education, transportation, and welfare policy are examined.

PSC 372. Organization and Management. 3 Credits.
Introduction to public and nonprofit organization management. Broad coverage of key elements of organizational functions and structure for potential managers. Uses both macro sociological and micro psychological levels of analysis. Case studies integrated into conceptual frameworks.

PSC 373. Intergovernmental Relations. 3 Credits.
Designed to familiarize students with the complex network of conflict, cooperation, and interdependence among national, state, and local government units. Topic areas, among others, include an analysis of the continuing evolution of American federalism, an examination of this relationship from state to city government perspectives and a description of specific intergovernmental fiscal programs and policies.

PSC 398. PSC Upper Level Transfer Credit. 3 Credits.
Transfer credit. Repeatable for Credit.
PSC 399. Political Science Special Topics. 3 Credits.
This course will examine topics of temporal or special interest which are not normally part of the regular ongoing political science curriculum. Students will be provided an opportunity to pursue specialized research, study, or application of knowledge and skills in an applied setting. Repeatable for Credit.

PSC 400. SENIOR SEMINAR IN POLITICAL SCIENCE. 3 Credits.
Research in political science. Methodology, bibliography, and presentation, both oral and written. The research paper for the seminar must be acceptable as a required departmental senior research paper.

PSC 401. Senior Project in Political Science. 3 Credits.
Execution of the research design constructed in PSC 399. Involves completion of a major senior paper under supervision of a staff member. Extensive independent effort.

PSC 410. Independent Studies in Political Science. 1-3 Credits.
Paper under supervision of a staff member. Extensive independent effort. Execution of the research design constructed in PSC 399. Involves completion of a major senior research paper.

PSC 412. Internship In Political Science. 3-15 Credits.
Consent: Permission of the Department required to add.

B.A. IN POLITICAL SCIENCE - APPLIED PUBLIC POLICY CONCENTRATION

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

- English Composition requirements: 6
- Mathematics requirement: 3
- Public Speaking requirement: 3
- Science requirements: 6
- Behavioral and Social Science requirements: 6
- Humanities requirements: 6
- Arts requirement: 3
- Diverse Communities requirement: 3
- Interdisciplinary requirement: 3
- Student Electives: 9
- Writing Emphasis requirements: 9

Language & Culture Requirement

Demonstrating language proficiency through the intermediate level (202) or demonstrating language proficiency through the elementary II (102) level of a language and further acquiring a cultural foundation. 3-15

Major Core Requirements

Other than the Capstone Seminar, the core courses should be taken during the first and second year

- PSC 100 U.S. Government and Politics: 3
- PSC 200 Political Analysis: 3
- PSC 202 Elements of Public Administration: 3
- PSC 213 International Relations: 3
- PSC 230 Introduction to Political Thought: 3
- PSC 240 Introduction to Comparative Politics: 3
- PSC 401 Senior Project in Political Science: 3

Other Major Requirements

- PSC 322 Public Opinion, Media and Politics: 3
- PSC 356 US Public Policy: 3
- PSC 357 Advanced Political Analysis: 3
- PSC 358 Applied Public Policy Analysis: 3

Select two additional PSC courses from the following: 6

- PSC 301 Women and Politics
- PSC 304 Urban Politics
- PSC 350 Constitutional Law I: Government Institutions: Power and Constraints
- PSC 351 Energy and the Political Process
- PSC 352 Constitutional Law II: Civil Liberties and Civil Rights
- PSC 353 Latino Politics
- PSC 354 Environmental Politics and Policy
- PSC 355 Congressional Politics
- PSC 359 Presidential Politics
- PSC 371 State and Local Government

Select one ECO course chosen under advisement: 3
Select one GEO course chosen under advisement: 3
Select one SOC course chosen under advisement: 3

Electives: 3

Total Minimum Credits Required: 120

Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

B.A. IN POLITICAL SCIENCE - GOVERNMENT AND POLITICS CONCENTRATION

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

- English Composition requirements: 6
- Mathematics requirement: 3
- Public Speaking requirement: 3
- Science requirements: 6
- Behavioral and Social Science requirements: 6
- Humanities requirements: 6
- Arts requirement: 3
- Diverse Communities requirement: 3
- Interdisciplinary requirement: 3
- Student Electives: 9
- Writing Emphasis requirements: 9

Language & Culture Requirement

Demonstrating language proficiency through the intermediate level (202) or demonstrating language proficiency through the elementary II (102) level of a language and further acquiring a cultural foundation. 3-15

Major Core Requirements

Other than the Capstone Seminar, the core courses should be taken during the first and second year

- PSC 100 U.S. Government and Politics: 3
- PSC 200 Political Analysis: 3
- PSC 202 Elements of Public Administration: 3
- PSC 213 International Relations: 3
- PSC 230 Introduction to Political Thought: 3
- PSC 240 Introduction to Comparative Politics: 3
- PSC 401 Senior Project in Political Science: 3

Other Major Requirements

- GEO 101 World Geography: 3
- or GEO 103 Human Geography
B.A. IN POLITICAL SCIENCE - INTERNATIONAL RELATIONS CONCENTRATION

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

- English Composition requirements: 6
- Mathematics requirement: 3
- Public Speaking requirement: 3
- Science requirements: 6
- Behavioral and Social Science requirements: 6
- Humanities requirements: 6
- Arts requirement: 3
- Diverse Communities requirement: 3
- Interdisciplinary requirement: 3
- Student Electives: 9
- Writing Emphasis requirements: 9

Language Requirement

Demonstrating language proficiency through the intermediate level (202): 3-12

Major Core Requirements

With the exception of the Capstone Seminar, the core courses should be taken during the first and second year.

- PSC 100 U.S. Government and Politics: 3
- PSC 200 Political Analysis: 3
- PSC 202 Elements of Public Administration: 3
- PSC 213 International Relations: 3
- PSC 230 Introduction to Political Thought: 3

- PSC 240 Introduction to Comparative Politics: 3
- PSC 401 Senior Project in Political Science: 3

Other Major Requirements

- PSC 213 International Relations: 3
- or PSC 240 Introduction to Comparative Politics
- PSC 317 Contemporary International Relations: 3
- or PSC 320 U.S. Foreign Policy

Comparative Group

Select two of the following:

- PSC 340 Latin American Culture and Politics
- PSC 342 European Politics
- PSC 343 Culture and Politics of Asia
- PSC 346 Russian Government and Politics
- PSC 348 African Politics and Society

International Group

Select two of the following:

- PSC 310 The United States and Latin America
- PSC 311 Russian Foreign Policy
- PSC 317 Contemporary International Relations
- PSC 318 International Political Economy
- PSC 319 Middle Eastern Politics
- PSC 330 Politics of the Holocaust and Genocide

Additional Course

Select one additional course from the following options: the Comparative Group, the International Group, PSC 213, PSC 240, PSC 317, PSC 320, study abroad course with a PSC prefix, or a PSC internationally focused internship.

Cognate Courses

- GEO 101 World Geography: 3
- or GEO 103 Human Geography
- HIS 101 History of Civilization I: 3
- or HIS 102 History of Civilization II: 3
- An ECO course chosen under advisement: 3

Electives

Select 6 credits of electives: 6

Total Minimum Credits Required

120

Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

MINOR IN POLITICAL SCIENCE

Core Courses

- PSC 100 U.S. Government and Politics: 3

Select three of the following:

- PSC 200 Political Analysis: 3
- PSC 202 Elements of Public Administration: 3
- PSC 213 International Relations: 3
- PSC 230 Introduction to Political Thought: 3

- PSC 240 Introduction to Comparative Politics: 3
- PSC 401 Senior Project in Political Science: 3

Other Major Requirements

- PSC 213 International Relations: 3
- or PSC 240 Introduction to Comparative Politics
- PSC 317 Contemporary International Relations: 3
- or PSC 320 U.S. Foreign Policy

Comparative Group

Select two of the following:

- PSC 340 Latin American Culture and Politics
- PSC 342 European Politics
- PSC 343 Culture and Politics of Asia
- PSC 346 Russian Government and Politics
- PSC 348 African Politics and Society

International Group

Select two of the following:

- PSC 310 The United States and Latin America
- PSC 311 Russian Foreign Policy
- PSC 317 Contemporary International Relations
- PSC 318 International Political Economy
- PSC 319 Middle Eastern Politics
- PSC 330 Politics of the Holocaust and Genocide

Additional Course

Select one additional course from the following options: the Comparative Group, the International Group, PSC 213, PSC 240, PSC 317, PSC 320, study abroad course with a PSC prefix, or a PSC internationally focused internship.

Cognate Courses

- GEO 101 World Geography: 3
- or GEO 103 Human Geography
- HIS 101 History of Civilization I: 3
- or HIS 102 History of Civilization II: 3
- An ECO course chosen under advisement: 3

Electives

Select 6 credits of electives: 6

Total Minimum Credits Required

120

Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.
PSC 240 Introduction to Comparative Politics

Electives
Select two elective courses at the 300-level chosen from within one of three area concentrations:

a. Government and Politics:¹
   - PSC 301 Women and Politics
   - PSC 304 Urban Politics
   - PSC 320 U.S. Foreign Policy
   - PSC 322 Public Opinion, Media and Politics
   - PSC 323 Racial/Ethnic Politics
   - PSC 324 U.S. Political Parties
   - PSC 325 Campaigns and Elections
   - PSC 329 Courts, Law and Policy
   - PSC 338 U.S. Political Thought
   - PSC 339 Contemporary Political Thought
   - PSC 350 Constitutional Law I: Government Institutions: Power and Constraints
   - PSC 351 Intergovernmental Relations
   - PSC 352 Constitutional Law II: Civil Liberties and Civil Rights
   - PSC 353 Latino Politics
   - PSC 354 Congressional Politics
   - PSC 355 US Public Policy
   - PSC 356 Presidential Politics
   - PSC 357 State and Local Government
   - PSC 358 Intergovernmental Relations

b. International Relations:²
   - PSC 310 The United States and Latin America
   - PSC 311 Russian Foreign Policy
   - PSC 317 Contemporary International Relations
   - PSC 318 International Political Economy
   - PSC 319 Middle Eastern Politics
   - PSC 320 U.S. Foreign Policy
   - PSC 330 Politics of the Holocaust and Genocide
   - PSC 340 Latin American Culture and Politics
   - PSC 342 European Politics
   - PSC 343 Culture and Politics of Asia
   - PSC 346 Russian Government and Politics
   - PSC 348 African Politics and Society
   - PSC 351 Energy and the Political Process
   - PSC 352 Constitutional Law II: Civil Liberties and Civil Rights

Other relevant course may be allowed by the program director where appropriate.

MINOR IN LAW, POLITICS AND SOCIETY

College of the Sciences and Mathematics

Curriculum

Required Courses
- BLA 201 Legal Environment of Business 3
- PSC 250 The Politics of the Judicial Process 3
- One of the following courses: 3
  - PSC 350 Constitutional Law I: Government Institutions: Power and Constraints
  - PSC 352 Constitutional Law II: Civil Liberties and Civil Rights

Elective Courses ³
- Select four of the following:
  - BLA 302 Business and Commercial Law
  - CRJ 300 Criminal Law
  - CRJ 304 Introduction to Comparative Justice Systems
  - CRJ 400 Criminal Procedure
  - CRJ 472 Justice Studies
  - CRJ 482 Contemporary Legal Issues
  - PHI 190 Logic
  - PHI 421 Philosophy of Law
  - PSC 239 Courts, Law and Policy
  - PSC 350 Constitutional Law I: Government Institutions: Power and Constraints ²
  - PSC 352 Constitutional Law II: Civil Liberties and Civil Rights

Total Minimum Credits Required 21

¹ Other relevant course may be allowed by the program director where appropriate.
² May not be repeated if already taken to fulfill requirement.
³ Students in this area should take PSC 200 and PSC 202 as part of their core and complete these courses prior to taking 300-level courses.

MINOR IN GLOBAL STUDIES

College of the Sciences and Mathematics

Curriculum

Required Core
- GST 110 Introduction to Global Studies 3
- GST 402 Capstone Seminar: Global Engagement and Citizenship 3

Tracks 12

Students can select four courses from one of the following two tracks. No more than two courses may be taken within any one department. At least three of these courses should be outside of one’s major discipline. Courses not listed here will be considered with recommendation by a member of the Global Studies Advisory Board, and reviewed and approved by the Global Studies director. Pre-requisites for any course used for the minor will not be counted as part of the program. Eighteen credits is the minimum for completion of the Minor.

Track I: Arts and Humanities

Art History
- ARH 103 Art History I: Paleolithic-Middle Ages
- ARH 104 Art History II: Renaissance through Modern Day
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<th>Course Code</th>
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<tr>
<td>ARH 210</td>
<td>Non-Western Art</td>
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<td>ARH 211</td>
<td>Art of Egypt</td>
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<tr>
<td>ARH 320</td>
<td>Global Art and Culture</td>
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<td>ARH 382</td>
<td>Art of Greece and Rome</td>
</tr>
<tr>
<td>ARH 383</td>
<td>Art of the Middle Ages</td>
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<td>ARH 384</td>
<td>Art of Renaissance-Baroque</td>
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<td>ARH 385</td>
<td>18th and 19th Century Art</td>
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<td>ARH 389</td>
<td>Art of Spain</td>
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<td>CLS 165</td>
<td>Introduction to World Literature</td>
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<tr>
<td>CLS 203</td>
<td>African Studies</td>
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<tr>
<td>CLS 260</td>
<td>World Literature I</td>
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<tr>
<td>CLS 261</td>
<td>World Literature II</td>
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<td>CLS 333</td>
<td>Latina Writing</td>
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<td>CLS 351</td>
<td>African Literature</td>
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<td>CLS 361</td>
<td>Modern World Drama</td>
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<td>CLS 362</td>
<td>World Lit - Modern Fiction</td>
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<td>HIS 100</td>
<td>Global History since 1900</td>
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<td>History of Civilization I</td>
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<tr>
<td>HIS 102</td>
<td>History of Civilization II</td>
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<td>HIS 302</td>
<td>Modern India</td>
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<td>HIS 305</td>
<td>Modern China</td>
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<td>HIS 306</td>
<td>Chinese Civilization</td>
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<td>HIS 308</td>
<td>Introduction to the Islamic World</td>
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<td>HIS 311</td>
<td>History of Africa to 1875</td>
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<td>HIS 314</td>
<td>Latin American Women's History</td>
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<td>HIS 316</td>
<td>Modern Latin America</td>
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<tr>
<td>HIS 317</td>
<td>History of Mexico</td>
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<td>HIS 318</td>
<td>The Ancient World</td>
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<td>Renaissance and Reformation</td>
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<td>HIS 324</td>
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<td>HIS 328</td>
<td>The French Revolution and Napoleon</td>
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<td>Gender and Peace</td>
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<td>HIS 331</td>
<td>20TH Century Europe</td>
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<td>HIS 332</td>
<td>The Holocaust</td>
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<td>ARB 101</td>
<td>Modern Arabic I Elementary</td>
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<td>Modern Arabic II</td>
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<td>CHI 101</td>
<td>Elementary Chinese I</td>
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<td>CHI 102</td>
<td>Elementary Chinese II</td>
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<tr>
<td>EAR 309</td>
<td>Modern Arabic Culture I</td>
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<td>ECH 304</td>
<td>Contemporary Chinese Cinema and Society</td>
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<td>ECH 380</td>
<td>Chinese Business Culture</td>
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<td>EFR 320</td>
<td>French Civilization (In English)</td>
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<td>EFR 330</td>
<td>Francophone Cultures West Africa-Caribbn</td>
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<td>EFR 401</td>
<td>French Business Culture</td>
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<td>EGE 323</td>
<td>Austrian Civilization</td>
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<tr>
<td>EGE 403</td>
<td>20th C Masterpieces: Kafka, Mann, Hesse</td>
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<tr>
<td>EGE 404</td>
<td>Artists as Conscience: Postwar Lit/Film</td>
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<tr>
<td>EGE 405</td>
<td>German Film: Expressionism to the New German Cinema</td>
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<tr>
<td>EGE 408</td>
<td>Masterpieces of German Theatre</td>
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<tr>
<td>EGE 409</td>
<td>Impact of Holocaust on Lit and Film</td>
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<td>EIT 360</td>
<td>Italy on Film</td>
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<tr>
<td>ERU 309</td>
<td>Russian Culture</td>
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<td>ERU 310</td>
<td>The Literature of Russia</td>
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<tr>
<td>ERU 363</td>
<td>Russian &amp; Soviet Film and Literature</td>
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<td>ESP 300</td>
<td>Latin-American Culture and Civilization (In English)</td>
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<td>ESP 305</td>
<td>Spanish Cinema</td>
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<td>ESP 306</td>
<td>Representations of the Spanish Civil War</td>
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<td>ESP 307</td>
<td>Spanish Women (1931 to Present)</td>
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<tr>
<td>ESP 309</td>
<td>Latin America on Film</td>
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<td>ESP 310</td>
<td>Latin American Narrative from the European Conquest to 1930s</td>
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<td>ESP 311</td>
<td>Contemporary Latin American Narrative</td>
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<td>ESP 316</td>
<td>Latin American Advant-Gardes and Mass Media</td>
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<td>ESP 318</td>
<td>Speaking Spanish in the United States</td>
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<td>ESP 324</td>
<td>Latinos in the U.S.</td>
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<td>ESP 334</td>
<td>Politics &amp; Economics Lit Of Modern Amer</td>
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<td>ESP 335</td>
<td>Latino Literatures in the US</td>
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<td>ESP 335</td>
<td>Islamic Spain</td>
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<td>ESP 362</td>
<td>New World: America</td>
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<td>FRE 101</td>
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<td>LAN 382</td>
<td>Teaching English Language Learners PK-12</td>
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<td>PHI 205</td>
<td>Philosophies and Religions of the Far East</td>
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<td>PHI 204</td>
<td>Philosophies and Religions of India</td>
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<td>PHI 206</td>
<td>Religions of the West</td>
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<td>PHI 207</td>
<td>Philosophies of Non-violence</td>
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<tr>
<td>PHI 220</td>
<td>Introduction to Islam</td>
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<tr>
<td>PHI 373</td>
<td>Business Ethics</td>
</tr>
<tr>
<td>PHI 340</td>
<td>Contemporary Moral Issues</td>
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<tr>
<td>PHI 390</td>
<td>Women and Religion</td>
</tr>
<tr>
<td>PHI 411</td>
<td>The Problem of War</td>
</tr>
<tr>
<td>PHI 451</td>
<td>Religion and Ecology</td>
</tr>
<tr>
<td>PHI 480</td>
<td>Environmental Ethics</td>
</tr>
<tr>
<td>PHI 481</td>
<td>Philosophy of Human Rights</td>
</tr>
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<td>DAN 137</td>
<td>African Dance</td>
</tr>
<tr>
<td>DAN 138</td>
<td>Hip Hop Dance I</td>
</tr>
</tbody>
</table>
## Track II: Social Sciences, Education and Health Sciences

### Anthropology
- ANT 102 Introduction to Anthropology: Cultural
- ANT 224 Native People of South America
- ANT 322 Ethnology of Central America
- ANT 324 Native People of the Andes
- ANT 326 Cultures & Peoples of Sub-Saharan Africa
- ANT 327 Cultures & Peoples of India
- ANT 347 The Cultures of Cities
- ANT 352 Cultural Heritage: Creating and Preserving the Past

### Economics
- ECO 337 Economic Growth & Development
- ECO 338 International Economics

### Geography
- GEO 101 World Geography
- GEO 103 Human Geography
- GEO 200 Global Cities
- GEO 205 Geography of Agriculture, Food & Sustainability
- GEO 301 Geography of United States and Canada
- GEO 302 Geography of Latin America
- GEO 303 Geography of Europe
- GEO 304 Geography of Asia
- GEO 310 Population Geography
- GEO 312 Urban Geography

### Health Sciences
- HEA 110 Transcultural Health: Principles and Practice
- HEA 348 Population Health: Analysis, Surveillance, and Intervention

### Political Science
- PSC 213 International Relations
- PSC 240 Introduction to Comparative Politics
- PSC 304 Urban Politics
- PSC 311 Russian Foreign Policy
- PSC 315 The European Union
- PSC 317 Contemporary International Relations
- PSC 318 International Political Economy
- PSC 319 Middle Eastern Politics
- PSC 320 U.S. Foreign Policy
- PSC 330 Politics of the Holocaust and Genocide
- PSC 340 Latin American Culture and Politics
- PSC 342 European Politics
- PSC 343 Culture and Politics of Asia
- PSC 346 Russian Government and Politics
- PSC 348 African Politics and Society

### Psychology
- PSY 120 Multicultural Psychology

### Sociology
- SOC 335 Racial and Cultural Minorities
- SOC 341 Social Stratification
- SOC 366 Gender, Labor and Globalization
- SOC 372 Globalization Across Societies and Cultures

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## Education

- EGP 411 Student Teaching
- MGP 411 Student Teaching
- EDA 212 Understanding Disability through Cultural Perspectives
- EDA 416 Student Teaching for Exceptional Learners

### Total Minimum Credits Required

18

1. Students may take up to six credits of direct language instruction (101, 102, 201, and 202).
2. Students may take any six credits of department approved internship, field work, practicum as approved by the Global Studies director.

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## PRE-BUSINESS INFORMATION

### College of Business and Public Management

#### Overview

403 Business and Public Management Center  
50 Sharpless Street  
West Chester, PA 19383  
610-738-0433  
Kathy Koval (kkoval@wcupa.edu), Director of Business Programs

This is a program designed for students who wish to earn a Bachelor of Science degree in economics, finance, management, marketing, accounting, or international business.

The pre-business program will provide you with the following:

- An advisor who will help you select the appropriate sequence of courses and monitor your progress in meeting degree requirements.
- Time for you to make an informed choice of major by consulting with faculty members in all the business departments and using the extensive resources of the Career Development Center to gather information about career choice. Although the ultimate responsibility for meeting degree requirements rests with the student, use of these resources can lead to a more timely completion of degree requirements.
- The course work in academic areas necessary for an appropriate foundation for the study of business. Students may select a specific major following successful completion of all prerequisite requirements.

#### Curriculum

The pre-business curriculum leading to entry into all majors in the Departments of Accounting, Economics and Finance, Management, and Marketing is as follows:

### General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

<table>
<thead>
<tr>
<th>Business Courses</th>
<th>Mathematics Courses</th>
</tr>
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<tbody>
<tr>
<td>ACC 201 Financial Accounting</td>
<td>MAT 113 Algebra and Functions</td>
</tr>
<tr>
<td>ECO 111 Principles of Economics (Macro)</td>
<td>MAT 143 Brief Calculus</td>
</tr>
<tr>
<td>ECO 112 Principles of Economics (Micro)</td>
<td>MAT 161 Calculus I</td>
</tr>
<tr>
<td>ECO 251 Business Analytics I</td>
<td>MAT 162 Calculus II</td>
</tr>
<tr>
<td>MGT 200 Principles of Management</td>
<td></td>
</tr>
</tbody>
</table>
Additional Requirements

1. All courses must be completed with a C or better.
2. Option 1: Complete both MAT 113 and MAT 143 with a C or better in at least one of them. Option 2: Place directly into MAT 143 and pass with a C or better, or complete MAT 161 or MAT 162 with a C or better. MAT 113 is then replaced with a free elective.
3. A score of 88% or better is required.
4. Students must also have completed at least 45 credit hours and have an overall minimum GPA of 2.50.

Policies

- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate-academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

Prerequisites for Entry into the Business Majors: Accounting, Economics, Finance, Management and Marketing

To apply for their business major, students must:

1. Complete ECO 111, ECO 112, ECO 251, MGT 200, MKT 250, and ACC 201 with a C or better in each course.
2. Pass and complete both MAT 113 and MAT 143 with a C or better required in at least one of them. If a student is placed directly into MAT 143 and receives a C or higher or has completed MAT 161 or MAT 162 with a C or better, then the student does not have to take MAT 113 (replaced as a free elective).
3. Have a minimum overall GPA of 2.50
4. Pass an Excel basic skills exam with an 88% or better
5. Have at least 45 credit hours.

These requirements must be met to be eligible to register for 300 and 400 level business courses. The same rules apply to all transfer students, and these requirements must be met to be eligible to register for 300 and 400 level business courses. The same rules apply to all transfer students.

Excel Basic Skills Exam

The Pre-Medical Program prepares undergraduate and post-baccalaureate students for application to the health professional schools of medicine, osteopathic medicine, dentistry, veterinary medicine, and physician assistant programs. The program also prepares students for careers in optometry, podiatry, chiropractic, and biomedical research. The program consists of an individualized selection of course work, personal counseling, and academic support. Optional internships in biomedical research at medical schools or research institutes are available to qualified students.

All of the primary majors in the Pre-Medical Program offer internship opportunities; however, only the B.S. Chemistry-Biology major allows a substitution of up to 12 credits for specific courses, enabling students to replace a full semester with a research internship. Internship opportunities from other preferred majors are available over the summer or on a part-time basis for varying academic credit. In all cases, the internships must be approved by academic advisors, department chairs, and internship coordinators.

For highly select undergraduates, medical school early assurance programs are available in affiliation with Penn State University College of Medicine (http://www.msc.psu.edu/college) (undergraduate), Philadelphia College of Osteopathic Medicine (http://www.pcom.edu) (undergraduate), Lake Erie College of Osteopathic Medicine (http://www.lecom.com) (undergraduate), Temple University School of Dentistry (http://www.temple.edu/dentistry) (undergraduate), Arcadia University’s (http://www.arcadia.edu) M.S. in Physician’s Assistant Studies (undergraduate), and University of Guelph, Ontario Veterinary College (http://www.ovc.uoguelph.ca) (undergraduate).

The B.S. in Chemistry-Biology major was specifically designed to meet the academic need of the pre-professional student. However, if a student has a particular interest in a healthcare field, other majors to consider include the B.S. in Biology (p. 195); B.S. in Biology: Cell and Molecular (p. 191); B.S. in Chemistry (p. 206); B.S. in Forensic and Toxicological Chemistry (p. 209); B.S. in Pharmaceutical Product Development (p. 424); B.S. in Physics (p. 434); or B.A. in Psychology (p. 453). Students in the Pre-Medical Program may have two advisors - one from their major field and one from the Pre-Medical Committee. The advisor from the major field serves as their academic advisor, while the one from the committee offers advice about professional schools and their requirements, as well as their professional development, including volunteering and shadowing opportunities.

Because of the intense competition for health professional school admission, only academically talented and highly motivated students should apply to the Pre-Medical Program. Applicants are selected on the basis of their potential for achievement in the program. Students in the program are expected to maintain a minimum 3.20 grade point average and the high standards of performance necessary for health professional school admission.

It is essential for incoming students contemplating a medical career to apply to the Pre-Medical Program immediately upon matriculation at the University. Similarly, it is essential for students who, at some later time, develop an interest in a medical career to apply to the Pre-Medical Program. Students who fail to consult with the Pre-Medical Office prior to taking the Medical College Admissions Test (MCAT) or who fail to report the results of any MCAT exam to the Pre-Medical Office are not eligible to receive a Pre-Medical Committee letter of evaluation when they apply to medical school.

All West Chester students who wish to apply to a health professional school should ask their professors to forward letters of evaluation to the Pre-Medical Committee and should process their applications through the committee. It is recommended that students accumulate a minimum of five letters of evaluation in their confidential file. The committee will send a composite letter of evaluation to the professional school for students who meet the academic requirements and have an acceptable
Interview with the committee. Further information is available in the Pre-Medical Office, 117A Schmucker Science Center South.

Programs

Majors in the Pre-Medical Program

The B.S. in Chemistry-Biology and the B.S. in Biology - Cell and Molecular Concentration are the preferred majors for the Pre-Medical Program.

- B.S. in Chemistry-Biology (Pre-Medical) (p. 449)
- B.S. in Biology - Cell and Molecular Concentration (p. 191)

Policies

- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

Faculty

Professors

Mahrukh Azam (mazam@wcupa.edu) (2004)
B.S., Punjab University; M.S., Quaid-e-Azam University; M.S., Ph.D., Seton Hall University

Frank E. Fish (ffish@wcupa.edu) (1980)
B.A., State University of New York at Oswego; M.S., Ph.D., Michigan State University

Felix E. Goodson (fgoodson@wcupa.edu) (1998)
A.B., Princeton University; Ph.D., University of California, Berkeley

Susan L. Johnston (sjohnston@wcupa.edu) (2001)
B.A., University of Pennsylvania; B.S., Hahnemann University; Ph.D., University of Pennsylvania

Anthony J. Nicastro (anicastro@wcupa.edu) (1990)
Chairperson, Physics and Engineering
B.S., B.S., M.S., Ph.D., University of Delaware

Joan Woolfrey (jwoolfrey@wcupa.edu) (2000)
B.S., North Dakota State University; M.A., The New School for Social Research; Ph.D., University of Oregon

Associate Professors

Melissa B. Cichowicz (mcichowicz@wcupa.edu) (1986)
Chairperson, Chemistry
B.S., St. Joseph’s College; Ph.D., University of Maryland

Stephen J. Zimmiski (szimmiski@wcupa.edu) (2006)
B.S., University of Maine-Orono; M.A., University of Missouri; Ph.D., Boston University

Assistant Professors

Teresa Donze-Reiner (tdonze@wcupa.edu) (2016)
Director, Pre-Medical Program
B.S., University of Nebraska; Ph.D., Molecular Biology and Microbiology University of Nebraska-Lincoln

Jennifer L. Maresh (jmaresh@wcupa.edu) (2016)
B.S., West Chester University; M.S., Duke University; Ph.D., University of California, Santa Cruz

Jessica Sullivan-Brown (jsullivan@wcupa.edu) (2014)
B.S., James Madison University; Ph.D., Princeton University

B.S. IN CHEMISTRY-BIOLOGY (PRE-MEDICAL)

College of the Sciences and Mathematics

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

English Composition requirements 6
Mathematics requirement 3
Public Speaking requirement 3
Science requirements 6
Behavioral & Social Science requirements 6
Humanities requirements 6
Arts requirement 3
Diverse Communities requirement 3
Interdisciplinary requirement 3

PHI 371 Medical Ethics
Student Electives 9
Writing Emphasis requirements 9

Chemistry Requirements

CHE 103 General Chemistry I 3
CHE 104 General Chemistry II 3
CHE 231 Organic Chemistry I 4
CHE 232 Organic Chemistry II 3
CHE 321 Analytical Chemistry I 3

CHE 341 Physical Chemistry I 4
CHE 418 Chemical Information 1 1
CHE 476 Biochemistry I 3

CHE 491 Seminar in Chemistry 1

CRL 103 Experimental General Chemistry I (LAB) 1
CRL 104 Experimental General Chemistry II (LAB) 1

CRL 231 Experimental Organic Chemistry I Lab 2
CRL 321 Analytical Chemistry I Lab 1 2

CRL 476 Experimental Biochemistry I Lab 2

Biology Requirements

BIO 110 General Biology 3
BIO 217 General Zoology 3
BIO 220 Cell Physiology 3

BIO 230 Genetics 3

BIO 357 Comparative Vertebrate Anatomy 4
BIO 448 Animal Development 4

BIO 468 Comparative Vertebrate Physiology 4

or BIO 469 Human Physiology 4

Related/Cognate Requirements

Select one of the following physics sequences: 8

- PHY 130 General Physics I
- & PHY 140 and General Physics II

- PHY 170 Physics I
- & PHY 180 and Physics II

MAT 121 Introduction to Statistics I 3

MAT 161 Calculus I 4

Concentration Electives 1

Selected from upper-division chemistry and biology courses 9-10

Total Minimum Credits Required 120
Students may, with the permission of the department chair and the coordinator of the Pre-Medical Program, substitute an approved 6–12 credit internship for selected requirements and concentration electives. The courses with asterisks would be replaced by the internship (12 credits).

See also the Department of Chemistry (p. 202).

Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

DEPARTMENT OF PSYCHOLOGY

College of the Sciences and Mathematics

Wayne Building, 5th Floor
125 W. Rosedale Avenue
West Chester University
West Chester, PA 19383
610-436-2945

Department of Psychology (http://www.wcupa.edu/psychology)
Sandra Kerr (skerr@wcupa.edu), Chairperson
Vanessa Johnson (vjjohnson@wcupa.edu), Assistant Chairperson
Johny Tadros (jtadros@wcupa.edu), Program Counselor
Toni Kershaw (tkershaw@wcupa.edu), Undergraduate Administrative Assistant

The B.A. in Psychology prepares students to understand variables such as heredity, learning, and the environment, which shape and change behavior. Careers are possible in clinics, guidance centers, industry, hospitals, schools, and government. The department prepares those students who wish to work immediately after they graduate from its undergraduate program by training them in the use of computers for statistical analysis, supervising their work in clinical and research settings that can later be translated to many business pursuits, and working with them as they learn to express themselves clearly in writing and in speech. The department also prepares students for specific careers within psychology, many of which require graduate study beyond the baccalaureate. These careers include teaching, research, and the delivery of clinical services.

Programs

Majors in Psychology

• B.A. in Psychology (p. 453)

Minors in Psychology

• Psychology (p. 454)

Graduate Opportunities

See the graduate catalog for more information on the Psychology programs. (http://catalog.wcupa.edu/graduate/sciences-mathematics/psychology)

Policies

• See undergraduate admissions information. (p. 11)
• See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

Minimum Grade Requirement

All psychology majors and minors must earn a grade of C- or better in PSY 100 and all other PSY courses that fulfill departmental requirements. PSY courses used as general education free electives are exempt from this policy.

Faculty

Professors

Eleanor Brown (ebrown@wcupa.edu) (2005)
B.A., Haverford College; Ph.D., University of Delaware

Susan Gans (sgans@wcupa.edu) (1997)
B.A., New York University; M.A., Ph.D., University of Chicago

Lauri Hyers (lhyers@wcupa.edu) (2004)
B.A., Ph.D., Pennsylvania State University

Vanessa K. Johnson (vjjohnson@wcupa.edu) (1999)
Assistant Chairperson, Psychology

B.S., University of Washington, Seattle; M.A., Ph.D., University of California, Berkeley

Sandra L. Kerr (skerr@wcupa.edu) (1994)
Chairperson, Psychology

B.A., Boston College; M.A., Ph.D., State University of New York at Stony Brook

V. Krishna Kumar (vkumar@wcupa.edu) (1977)
B.S., Osmania University (India); M.S., Indian Agricultural Research Institute; M.S., Ph.D., University of Wisconsin-Madison

Deborah Mahlstedt (dmahlstedt@wcupa.edu) (1988)
B.S., State University of New York at Rockport; M.Ed., Ph.D., Temple University

Loretta Rieser-Danner (lrieser-danner@wcupa.edu) (1997)
B.S., Pennsylvania State University; Ph.D., University of Texas at Austin

Jasmin Tahmaseb-McConatha (jmconatha@wcupa.edu) (1990)
B.A., University of Utah; M.S., Jacksonville State University; Ph.D., University of Georgia

Thomas Treadwell (ttreadwell@wcupa.edu) (1968)
B.A., Morris Harvey College; M.S., University of Bridgeport Moreno Institute, New York (Certified Psychodramatist, T.E.P.); Ed.D, Temple University

Stefani Yorges (syorges@wcupa.edu) (1996)
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B.A., Hastings College; M.S., Ph.D., Purdue University

Deanne U. Zotter (dzotter@wcupa.edu) (1991)
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Associate Professors

Julian Azorlosa (jazorlosa@wcupa.edu) (2001)
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Angela Clarke (aclearke@wcupa.edu) (2007)
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Aaron S. Runasd (arundus@wcupa.edu) (2011)
B.A., University of South Florida; M.S., Ph.D., University of California, Davis

Geeta Shive (gshive@wcupa.edu) (2005)
B.A., Oberlin College; M.S., Ph.D., University of Oregon

Assistant Professors

Janet Chang (jchang@wcupa.edu) (2016)
B.A., Swarthmore College; M.A., Ph.D., University of California, Davis
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B.A., Southern Illinois University, Carbondale; Ph.D., University of Tennessee, Knoxville
Erin Michelle Hill (ehill@wcupa.edu) (2013)
B.A., Laurentian University; M.A., Carleton University; Ph.D., Auckland University of Technology
Farzin Irani (firanii@wcupa.edu) (2014)
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Ekeoma E. Uzogara (euzogara@wcupa.edu) (2016)
B.A., Boston University; M.A., M.P.H., Ph.D., University of Michigan

Courses

PSY

PSY 100. Introduction to Psychology. 3 Credits.
Introduction to the scientific study of behavior. The multiple bases of human behavior with emphasis on the learning process. Basic concepts, principles, and methodology. Students may be required to become familiar with an ongoing research study in psychology as an out-of-class assignment.
Gen Ed Attribute: Behavioral and Social Science Distributive.
Distance education offering may be available.

PSY 120. Multicultural Psychology. 3 Credits.
A survey course that will examine how psychological theory and research can contribute to our understanding of structural inequalities associated with ethnicity, race, income, class, age, gender, sexual orientation, ability, and religion.
Gen Ed Attribute: Diversity Requirement.
Typically offered in Fall & Spring.

PSY 200. Positive Psychology: The Science of Happiness and Well Being. 3 Credits.
Introduction to psychological perspectives that place an emphasis on positive emotional states including: happiness, joy, resilience, compassion, and forgiveness. We will examine a variety of topics and their relationship to subjective well-being including: positive coping, optimism, interpersonal relationships, spirituality, creativity and achievement.
Typically offered in Fall & Spring.

PSY 210. Developmental Psychology: Lifespan. 3 Credits.
A survey of research findings and theoretical issues related to developmental processes from the prenatal phase to senescence. Majors are advised to take PSY 382 and/or PSY 384 rather than PSY 210.
Pre / Co requisites: PSY 210 requires prerequisite of PSY 100.
Typically offered in Fall & Spring.

PSY 230. Introduction to Primatology. 3 Credits.
The purpose of this course is to familiarize students with the taxonomy, distribution, morphology, and behavior of human beings' closest living relatives, the nonhuman primates. In lectures, students will 1) become acquainted with the Order Primates as it is currently taxonomically understood and 2) learn the basic principles of behavioral ecology in general and how they relate to nonhuman primates in particular.
Pre / Co requisites: PSY 230 requires prerequisite of PSY 100 or ANT 101 or BIO 100 or BIO 110 or permission from instructor.
Cross listed courses ANT 230, PSY 230.

PSY 245. Statistics for the Behavioral Sciences. 3 Credits.
Descriptive and inferential statistical concepts and techniques and their application to the collection, analysis, and interpretation of behavioral data. Computer-assisted computation procedures will be employed.
Pre / Co requisites: PSY 245 requires prerequisite of MAT 103 or higher.
Typically offered in Fall & Spring.

PSY 246. Research Methods in Psychology. 3 Credits.
Critical examination of research methods in psychology, including experimental and quasi-experimental designs, correlational methods, and survey methods. Students will receive practical experience in the design, implementation, analysis, and interpretation of data, and in preparation of written reports for research projects.
Pre / Co requisites: PSY 246 requires prerequisite of PSY 245.
Gen Ed Attribute: Writing Emphasis.
Distance education offering may be available.
Typically offered in Fall & Spring.

PSY 254. Social Psychology. 3 Credits.
The study of the ways in which the individual is affected by the actual, imagined, or implied presence of others. Topics include social influence, self and social group identity, interpersonal and intergroup relations, diversity, group behavior, violence, and prosocial behavior.
Pre / Co requisites: PSY 254 requires prerequisite of PSY 100.
Typically offered in Fall & Spring.

PSY 255. Introduction to Biological Psychology. 3 Credits.
Basic concepts concerning the reciprocal relationship between behavior and biology will be introduced.
Pre / Co requisites: PSY 255 requires prerequisite of PSY 100.
Typically offered in Fall & Spring.

PSY 256. Industrial/Organizational Psychology. 3 Credits.
A basic course for psychology and business majors interested in the application of psychology to the workplace. The course includes a survey of the theory, research, and applications of the major topical areas of Industrial/Organizational Psychology. Topics may include work motivation, job satisfaction, performance appraisal, leadership, personnel selection, training and development, communication, psychological testing, and organization development.
Pre / Co requisites: PSY 265 requires prerequisite of PSY 100.
Distance education offering may be available.
Typically offered in Fall & Spring.

PSY 266. Biological Psychology Laboratory. 3 Credits.
Laboratory exercises and experiments in basic biological psychology.
Pre / Co requisites: PSY 266 requires prerequisites of PSY 100 and PSY 245 and PSY 246 and PSY 255.
Typically offered in Fall.

PSY 268. Drugs, Behavior and the Brain. 3 Credits.
A survey of how drugs affect the brain and behavior. Drugs that are used to treat psychological disorders and those used recreationally will be studied.
Pre / Co requisites: PSY 268 requires prerequisite of PSY 100.

PSY 280. Health Psychology. 3 Credits.
A study of the behavioral, biological, psychological and social factors involved in physical health and illness. Disease prevention, health behaviors, and psychosocial adjustment to illness will be explored.
Pre / Co requisites: PSY 280 requires prerequisite of PSY 100.

PSY 327. Applied Behavior Analysis. 3 Credits.
A survey of the principles and practices employed in inducing behavioral changes in clinic, institution, agency, and school settings.
Pre / Co requisites: PSY 327 requires prerequisite of PSY 100.
Typically offered in Fall & Spring.

PSY 335. Animal Behavior. 3 Credits.
The evolution and adaptiveness of behavior. Emphasis on physiological, genetic, and learning processes underlying animal behavior.
Pre / Co requisites: PSY 335 requires prerequisites of PSY 100 or BIO 100 or BIO 110.
Typically offered in Fall & Spring.

PSY 336. Animal Behavior Laboratory. 3 Credits.
Laboratory exercises and experiments in the principles of animal behavior and comparative psychology.
Pre / Co requisites: PSY 336 requires prerequisites of PSY 100 and PSY 245 and PSY 246 and co-requisite of PSY 335.
Typically offered in Fall.
PSY 350. Biopsychology of Emotion. 3 Credits.
This course will introduce students to the basic biological and sociocultural factors that contribute to the generation and regulation of emotion across the life span.
Pre / Co requisites: PSY 350 requires prerequisite of PSY 100.
Typically offered in Fall & Spring.

PSY 362. History and Systems of Psychology. 3 Credits.
An integrated overview of the history of psychology as well as the systems, theories, and fundamental issues with which psychologists have concerned themselves in the past, recent, and current stages of the science. FHW 101 recommended.
Pre / Co requisites: PSY 362 requires a prerequisite of PSY 100.
Typically offered in Fall & Spring.

PSY 363. Psychology of Learning. 3 Credits.
Basic laws and theories of learning.
Pre / Co requisites: PSY 363 requires prerequisite of PSY 100.
Typically offered in Fall & Spring.

PSY 365. Psychology of Women. 3 Credits.
A study of the behavior and experience of women. Biological, cultural, interpersonal, and intrapersonal determinants of women’s actions, thoughts, and feelings will be explored.
Pre / Co requisites: PSY 365 requires prerequisite of PSY 100.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

PSY 366. Learning Laboratory. 3 Credits.
Laboratory exercises and experiments in the principles of Pavlovian and instrumental conditioning.
Pre / Co requisites: PSY 366 requires prerequisites of PSY 100 and PSY 245 and PSY 246 and corequisite of PSY 363.
Typically offered in Spring.

PSY 375. Abnormal Psychology. 3 Credits.
A study of the description, etiology, and treatment of the spectrum of psychological disorders among different populations.
Pre / Co requisites: PSY 375 requires prerequisite of PSY 100.
Distance education offering may be available.
Typically offered in Fall & Spring.

PSY 376. Social Psychology Laboratory. 3 Credits.
Electronic and/or laboratory exercises in social psychology.
Pre / Co requisites: PSY 276 requires prerequisites of PSY 100 and PSY 254.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

PSY 380. Body Image. 3 Credits.
This interactive workshop explores the development of body image, the effects of negative body image on mental health and well-being, the assessment of body image, and the treatment and prevention of body image disturbance. Special attention is given to gender, cultural, and racial differences in body image, the role of obesity, and body image disorders such as Eating Disorders and Body Dysmorphic Disorder.
Typically offered in Fall & Spring.

PSY 382. Infant, Child and Adolescent Development. 3 Credits.
Study of the normal child from conception to puberty. Emphasis on current theoretical issues involved in the effects of early experience and environment.
Pre / Co requisites: PSY 382 requires prerequisite of PSY 100.
Typically offered in Spring.

PSY 384. Adult Development. 3 Credits.
Study of psychological development during the mature years up to and including death and dying.
Pre / Co requisites: PSY 384 requires prerequisite of PSY 100.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

PSY 390. Principles of Counseling and Psychotherapy. 3 Credits.
A review of theoretical assumptions underpinning various approaches to counseling and psychotherapy with particular reference to comparative outcome data.
Pre / Co requisites: PSY 390 requires prerequisites of PSY 257 or PSY 375.
Typically offered in Fall & Spring.
PSY 448. Field Experience in Psychology III. 3 Credits.
A work-study program in a Head Start preschool program serving a population of children and families that are mostly low-income and of ethnic and racial minority backgrounds under joint supervision of the instructor and the staff of the field institution.
Pre / Co requisites: PSY 448 requires a prerequisite of PSY 100 and 21 total hours of psychology courses or permission of instructor.
Gen Ed Attribute: Diversity Requirement.
Typically offered in Fall & Spring.

PSY 449. Field Experience in Psychology IV. 3 Credits.
A continuation of PSY 448.
Pre / Co requisites: PSY 449 requires a prerequisite of PSY 448.
Gen Ed Attribute: Diversity Requirement.
Typically offered in Fall & Spring.

PSY 464. Biopsychology Seminar. 3 Credits.
Anatomical, endocrinological, and physiological processes underlying behavior, including motivation, emotion, learning, and memory. Special attention is given to the biological bases and treatments of mental illness. PSY 100, or BIO 100 or 110 recommended.
Pre / Co requisites: PSY 464 requires prerequisites of PSY 255 or BIO 100 or BIO 110.
Typically offered in Spring.

PSY 470. Sensory and Perceptual Processes. 3 Credits.
A study of how we process sensory information and perceive our environments.
Pre / Co requisites: PSY 470 requires prerequisite of PSY 100.
Typically offered in Fall.

PSY 475. Cognitive Psychology. 3 Credits.
This course explores our scientific understanding of mental processes such as perception, attention, language, memory, decision-making and problem-solving, from both basic science and applied perspectives.
Pre / Co requisites: PSY 475 requires prerequisite of PSY 100.
Typically offered in Fall & Spring.

PSY 476. Cognitive Laboratory. 3 Credits.
An experiential-learning course in which students learn first-hand how cognitive psychologists measure human thought processes such as perception, attention, language, memory, decision-making and problem-solving.
Pre / Co requisites: PSY 476 requires prerequisites of PSY 245 and PSY 246, and a co-requisite of PSY 475.
Gen Ed Attribute: Writing Emphasis.
Distance education offering may be available.
Typically offered in Fall & Spring.

PSY 481. Eating Disorders. 3 Credits.
An in-depth study of anorexia nervosa, bulimia nervosa, and other variants of disordered eating.
Pre / Co requisites: PSY 481 requires prerequisites of PSY 257 or PSY 375.
Typically offered in Spring.

PSY 490. Topical Seminar in Psychology. 1-3 Credits.
Special topics in psychology not offered under existing, regularly offered courses. Consent of instructor or chairperson recommended. Repeatable for Credit.

B.A. IN PSYCHOLOGY
College of the Sciences and Mathematics

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
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<tr>
<td>English Composition requirements</td>
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<tr>
<td>Mathematics requirement</td>
<td>3</td>
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<tr>
<td>MAT 103 Introduction to Mathematics (or higher is required)</td>
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<tr>
<td>Public Speaking requirement</td>
<td>3</td>
</tr>
<tr>
<td>Diverse Communities requirement</td>
<td>3</td>
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<tr>
<td>Interdisciplinary requirement</td>
<td>3</td>
</tr>
<tr>
<td>Science requirements</td>
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</table>

It is recommended students take BIO 100 or BIO 110 as one of the science courses.

Behavioral & Social Science requirements 6
Humanities requirements 6
Arts requirement 3
Student Electives 9
Writing Emphasis 9

Language and Culture Requirement
3-15

Major Requirements

Required psychology courses 15
- PSY 100 Introduction to Psychology
- PSY 245 Statistics for the Behavioral Sciences
- PSY 246 Research Methods in Psychology
- PSY 362 History and Systems of Psychology
- PSY 400 Senior Seminar in Psychology

Biological Bases of Behavior
Select one of the following: 3
- PSY 255 Introduction to Biological Psychology
- PSY 335 Animal Behavior

Cognition and Learning
Select one of the following: 3
- PSY 363 Psychology of Learning
- PSY 475 Cognitive Psychology

Development across the Lifespan
Select one of the following: 3
- PSY 382 Infant, Child and Adolescent Development
- PSY 384 Adult Development

Multicultural and Social Bases of Behavior
Select one of the following: 3
- PSY 120 Multicultural Psychology
- PSY 254 Social Psychology

Clinical Psychology
Select one of the following: 3
- PSY 257 Theories of Personality
- PSY 375 Abnormal Psychology

Applied Experiences in Psychology
Select one of the following: 3
- PSY 265 Industrial/Organizational Psychology
- PSY 266 Biological Psychology Laboratory
- PSY 336 Animal Behavior Laboratory
- PSY 366 Learning Laboratory
- PSY 376 Social Psychology Laboratory
- PSY 410 Research in Psychology
- PSY 441 Field Experience in Psychology I
- PSY 442 Field Experience in Psychology II
- PSY 448 Field Experience in Psychology III
- PSY 449 Field Experience in Psychology IV
- PSY 476 Cognitive Laboratory

Psychology Electives
Select three additional PSY courses 9

Related/Cognate Area
These electives are in addition to the nine semester hours of electives listed under the general education requirements and may be selected from among any of the University’s course offerings.

Total Minimum Credits Required 120
Students are strongly encouraged to take PSY 245 as early as possible, but must enroll in it before taking more than 21 hours in psychology courses.

Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<td><strong>Year One</strong></td>
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<tr>
<td><strong>Semester One</strong></td>
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<tr>
<td>PSY 100</td>
<td>Introduction to Psychology</td>
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<tr>
<td>PSY 120</td>
<td>Multicultural Psychology</td>
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<td>Language Course (appropriate level for student)</td>
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<td>WRT 120</td>
<td>Effective Writing I</td>
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<td>MAT 103</td>
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<td>WRT 200</td>
<td>Critical Writing and Research</td>
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<tr>
<td>SPK 208</td>
<td>Public Speaking (or SPK 230 or SPK 199)</td>
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<td><strong>Year Two</strong></td>
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<td><strong>Semester Three</strong></td>
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<tr>
<td>PSY 245</td>
<td>Statistics for the Behavioral Sciences</td>
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<td><strong>Semester Four</strong></td>
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<td>PSY 246</td>
<td>Research Methods in Psychology</td>
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<td>Language Course (in sequence) or Culture Cluster</td>
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<tr>
<td>General Education</td>
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<tr>
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<td><strong>Credits</strong></td>
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<td><strong>Year Three</strong></td>
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<tr>
<td><strong>Semester Five</strong></td>
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<td>PSY 362</td>
<td>History and Systems of Psychology</td>
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<td>PSY Course (A - F)</td>
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<tr>
<td>PSY Course (A - F)</td>
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<tr>
<td>Free Elective or Language Culture Cluster (if applicable)</td>
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<td><strong>Semester Six</strong></td>
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<td>PSY Elective</td>
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<td>300-Level Writing Emphasis Course</td>
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<td>Free Elective or PSY Elective</td>
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<tr>
<td><strong>Credits</strong></td>
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**Year Four**

| Semester Seven | | |
| PSY 400 | Senior Seminar in Psychology | 3 |
| Free Elective or PSY Elective | | 3 |
| Free Elective or PSY Elective | | 3 |
| Free Elective or PSY Elective | | 3 |
| **Credits** | | **15** |
| **Semester Eight** | | |
| Free Elective or PSY Elective | | 3 |
| Free Elective or PSY Elective | | 3 |
| Free Elective or PSY Elective | | 3 |
| Free Elective or PSY Elective | | 3 |
| **Credits** | | **15** |
| **Total Credits** | | **120** |

**MINOR IN PSYCHOLOGY**

**College of the Sciences and Mathematics**

The Minor in Psychology is designed for students of any major and is tailored to the specific educational goals of each student.

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>PSY 100</td>
<td>Introduction to Psychology</td>
<td>3</td>
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<tr>
<td>PSY courses selected by the student</td>
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<tr>
<td><strong>Total Minimum Credits Required</strong></td>
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</table>

**RUSSIAN STUDIES PROGRAM**

**College of Arts and Humanities**

114 Main Hall
610-436-2585
Russian Studies (http://www.wcupa.edu/russianStudies)
Alice Speh (aspeh@wcupa.edu), Director

Any West Chester University student, regardless of his or her major area of specialization, may earn a minor specialization in Russian Studies after satisfactory completion of 18 credits of work.

**Programs**

**Minors in Russian Studies**

- Russian Studies (p. 454)

**Policies**

- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

**MINOR IN RUSSIAN STUDIES**

**College of Arts and Humanities**

**Required Courses**

Choose Option A or Option B:

**Option A:**

- Russian Language (Intermediate level or above)
- Russian History and/or Politics
Music Tests: Bachelor of Music with a Concentration in Theory, Composition, or History; Bachelor of Music in Performance; or Bachelor of Music in Elective Studies in an Outside Field

Each candidate in performance must demonstrate an advanced level of proficiency in the major area of performance as evidenced by the ability to perform compositions representing a variety of musical periods and styles, and must show potential as a professional performer. Memorization is required for pianists and vocalists. Each candidate in theory and composition or elective studies in an outside field must demonstrate an acceptable background in a major performing area; candidates in theory and composition must interview with the Department of Music Theory, History, and Composition.

Equivalency in Music Therapy

Music majors may pursue courses toward certification in music therapy through a cooperative program with Immaculata University (http://www.immaculata.edu), located ten miles from West Chester. The Handbook for Students in Music – Undergraduate Division should be consulted for current requirements.

Applied Music

Emily Bullock, Interim Chairperson
See the Department of Applied Music for more information about courses in applied music (p. 153).

Music Education

Marci Major, Chairperson
See the Department of Music Education for more information about courses in music education (p. 390).

Music Theory, History, and Composition

Robert Maggio, Chairperson
See the Department of Music Theory, History, and Composition for more information about courses in music theory, history, and composition (p. 399).

DEPARTMENT OF SOCIAL WORK

College of Education and Social Work
114 W. Rosedale Avenue
610-436-2527
Department of Social Work (http://www.wcupa.edu/socialwork)
Pablo Arriaza (parriaza@wcupa.edu), Chairperson

The Social Work program is accredited on the baccalaureate level as a professional degree in social work by the Council on Social Work Education.

The mission of the undergraduate Social Work program is to prepare students for beginning social work practice and lifelong learning. To this end, the program teaches the knowledge, values, and skills of generalist social work, with an emphasis on self-evaluation, critical thinking, information literacy, and understanding the intersections of people and their environments. Students apply micro, mezzo, and macro frameworks for assessment and intervention through experiential learning that includes two field placements over the course of three semesters. The program prepares students to adhere to the ethical standards of social work, to advocate for social and economic justice, and to promote the strengths and well-being of diverse individuals, families, groups, organizations, and communities. Students graduate with the core competencies appropriate to entry-level generalist social work as well as the foundation for graduate social work education.

The B.S.W. program has three phases: the first is the pre-candidacy courses along with their general education requirements; the second...
occurs when students formally apply for candidacy, which is the professional social work track where advanced course work and the junior field experience are completed; and the third is at the conclusion of the spring junior year when students successfully complete a competency exam and enter the senior field experience. The Bachelor of Social Work is conferred on undergraduates who complete all the academic requirements of the program and West Chester University. The B.S.W. is recognized as the first professional level of social work practice.

Goals for the B.S.W. Program

The undergraduate Social Work program goals are linked to core practice competencies as set forth in the Council on Social Work Education’s 2015 Educational Policy and Accreditation Standards (EPAS). With the liberal arts as its foundation, B.S.W. graduates are prepared to engage in entry-level social work practice through mastery of these ten core competencies. As such, the department’s goal is that, by completion of the program, students are prepared to:

1. Engage in evidence-based, entry-level social work practice with individuals, families, groups, communities, and organizations within a multicultural society
2. Practice according to the principles, values, and ethics that guide the social work profession
3. Influence social policies with the goal of alleviating poverty, oppression, and social injustice as well as advocating for human rights
4. Identify and affect the bio-psycho-social, spiritual, and cultural functioning of people
5. Evidence practice from a culturally sensitive perspective that recognizes and appreciates diverse cultures, particularly those that differ from one’s own

The B.S.W. program has the following core competencies:

Competency 1: Demonstrate ethical and professional behavior
Competency 2: Engage diversity and difference in practice
Competency 3: Advance human rights and social and economic justice
Competency 4: Engage in research-informed practice and practice-informed research.
Competency 5: Engage in policy practice
Competency 6: Engage with individuals, families, groups, organizations and communities
Competency 7: Assess with individuals, families, groups, organizations and communities
Competency 8: Intervene with individuals, families, groups, organizations and communities
Competency 9: Evaluate practice with individuals, families, groups, organizations and communities

All students must demonstrate attitudes and professional behaviors consistent with the values and ethics of professional social work and the National Association of Social Workers (NASW) Social Work Code of Ethics.

The B.S.W. program is based in a strong liberal arts foundation. We believe this is covered by the current University degree requirements. In addition, since our last re-accreditation, our department has reviewed the curricular requirements and received feedback from multiple constituents (students, faculty, advisory board, field supervisors) that students would benefit from taking more social work electives and/or additional coursework at the university that supports the field experience. In addition, we have added a required summer bridge reading assignment for our seniors that fulfills the original purpose of the literature requirement: to expose students to more diverse life experiences through literature. Finally, the literature requirement disadvantages our transfer students, the majority of whom do not take a literature course at their community college.

Department-Related Activities

The Social Work Club is a student organization that elects officers and sets a yearly agenda. The activities of this organization are open to all students. The honor society, Phi Alpha, is sponsored by the Department of Social Work and is the Chi Gamma Chapter of the National Social Work Honor Society. Eligibility requires an overall GPA of 3.0 and 3.25 in required social work courses. The Association of Black Social Workers is another social work organization that elects officers and sets a yearly service and program agenda. For more information, see the Student Activities and Service Organization sections of the catalog.

Department Field Placements and Volunteer Experiences

Social work students are expected to provide a minimum of 20 hours of volunteer work, approved by their advisor, as a requirement to be accepted into candidacy. During the second semester of the junior year and in both semesters of the senior year, students will be placed in various social work agencies (see partial listing of social work field placements).

Students must have completed the below with a cumulative average of 2.50 before they register to take the junior field placement in the spring semester.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SWO 200</td>
<td>Introduction to Social Welfare</td>
<td>3</td>
</tr>
<tr>
<td>SWO 220</td>
<td>Introduction to Generalist Practice</td>
<td>3</td>
</tr>
<tr>
<td>SWO 225</td>
<td>Race Relations</td>
<td>3</td>
</tr>
<tr>
<td>SWO 300</td>
<td>Family Systems</td>
<td>3</td>
</tr>
<tr>
<td>SWO 320</td>
<td>Generalist Social Work Practice I</td>
<td>3</td>
</tr>
<tr>
<td>SWO 332</td>
<td>Social Welfare Policies and Services</td>
<td>3</td>
</tr>
<tr>
<td>SWO 350</td>
<td>Human Behavior in Social Environment I</td>
<td>3</td>
</tr>
</tbody>
</table>

Insurance

Students are also required to carry liability insurance coverage during the second semester of their junior and the entire senior year. Students may join NASW and become a member of a national social work organization and receive liability insurance at a reduced rate. Students need to apply for child abuse clearance and state police background check in the fall semester of their junior year prior to being matched with a field placement. Field sites may have additional requirements of students prior to the start of their field placement.

Social Work Field Placements

Below is a sampling of settings where students have been placed to fulfill their field experience requirements:

ARC of Chester County
Bucks County Children and Youth
Chester County Children, Youth, and Families
Chester County Intermediate Unit
Chester County Juvenile Probation
Chester County Office of the Aging
Chester County Opportunities Industrialization Centers (OIC)
County Office of Services for Older Adults
Delaware County Adult Probation and Parole
Department of Human Services
Devereux Foundation
Domestic Abuse Project of Delaware County
Elwyn
Family Services of Chester County
Friend’s Association
Kendal-Crosslands
Philadelphia School District
ReMed
Resources for Human Development
Ronald McDonald House
Salvation Army
The Garage Community Youth Center
University of Pennsylvania Health Systems
Values Into Action
Vitas Hospice

Philadelphia Campus
The B.S.W. in Social Work is also offered at the Philadelphia campus. Curriculums for programs offered at the alternative PASSHE Center City (http://wcupa.edu/philly) satellite campus in Philadelphia are equivalent to those found on WCU’s main campus. With state-of-the-art classrooms, the Center City location serves the needs of degree completers and/or adult learners who are balancing work and family obligations.

Programs

Majors in Social Work
• Bachelor of Social Work (B.S.W.) (p. 459)

Graduate Opportunities
See the graduate catalog for more information on the Social Work program (http://catalog.wcupa.edu/graduate/education-social-work/social-work/).

Policies
• See undergraduate admissions information. (p. 11)
• See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

Policy for Social Work Majors
Majors are required to meet with their social work advisor to plan an integrative course of study, to select courses prior to scheduling, to discuss career opportunities, and to keep abreast of departmental activities. Handbooks are provided to help students be aware of requirements and procedures in the department. Social work majors should be aware of social work prerequisite courses and must see their advisor before registering for classes.

Academic Promotion Policy
Social work students must achieve a grade of C or above in required professional practice courses that include SWO 320, 321, 375, 395, 450, 451, 495, 496. Social work students that have a grade of D, F, or NG (no grade) in other required social work courses must repeat these courses and achieve a satisfactory grade before entering the junior field placement. Students must achieve an overall GPA of 2.5 in order to be accepted into candidacy and to begin their first field practicum. Students must maintain a minimum 2.5 GPA in order to remain in the program and in order graduate with a B.S.W. that has been accredited by the Council on Social Work Education. Further information can be found in the student handbook and field manual that is updated annually and posted to the Department’s website (http://www.wcupa.edu/socialWork).

Admission Requirements
Applicants must meet University requirements for admission. After successfully completing the first year of pre-candidacy social work course requirements, students may apply for candidacy for the professional social work track.

For admittance to senior field placement, students must pass the junior competency exam requirements in social work and fulfill the requirements outlined on the guidance record sheet.

In compliance with the Council on Social Work Education, the national accrediting body for social work, the program only accepts upper-division social work courses from accredited programs that correspond with West Chester University B.S.W. program sequencing. No social work credits are granted for life and work experience.

Transfer Students
Students from other colleges and universities who desire to transfer to West Chester University baccalaureate social work program should apply through the University's Office of Admissions, which will coordinate the credit evaluations of social work courses with the baccalaureate social work program director. Transfer students are required to make application for candidacy.

A transfer credit analysis, listing all transfer credits accepted by the University, will be sent to the Department of Social Work and also directly to the student. The B.S.W. program director may accept social work transfer credits from CSWE-accredited undergraduate social work programs.

The field practicum and seminar are concurrent courses in the WCU undergraduate social work program; therefore, they are not transferable. The policies and requirements for the field practice are explicated in the Baccalaureate Program Field Instruction Manual. All other social work courses not meeting the requirements of the program may be accepted as SWO 199 course credit hours.

Internal Transfer Students
Internal transfer students meet the same standards for the program as other students.

Note: The Department of Social Work offers courses in the summer to assist transfer students to begin as a junior when they enter West Chester University in the fall. It is crucial that all transfer students be advised by the undergraduate program chair before the first session of summer.

Faculty

Professor
Greg Tully (gtully@wcupa.edu) (2010)
B.A., New York University; M.S.W., Hunter College; Ph.D., New York University

Associate Professors
Pablo Arriaza (parriaza@wcupa.edu) (2016)
Chairperson, Undergraduate Social Work
B.S. Florida State University; M.S.W. Florida State University; Ph.D. University of Alabama

Michelle Belliveau (mbelliveau@wcupa.edu) (2006)
B.A., Earlham College; M.S.S.W., Columbia University; Ph.D., University of Pennsylvania

Claire L. Dente (cdente@wcupa.edu) (2008)
B.A., Chestnut Hill College; M.S.W., Catholic University of America; Ph.D., Temple University

Travis Sky Ingersoll (tingersoll@wcupa.edu) (2011)
B.A., State University of New York at Buffalo; M.S.W, M.Ed., Ed.D., Widener University

Assistant Professor
Susan Wyson Ngwema (swyson@wcupa.edu) (2016)
B.S.W., La Salle University; M.S., University of Pennsylvania; M.S.W., Temple University
Courses

SWO

SWO 199. Transfer Credits. 1-10 Credits.
Transfer Credits. Repeatable for Credit.

SWO 200. Introduction to Social Welfare. 3 Credits.
An introduction to the social work profession, this course emphasizes the historical, economic, political and philosophical foundations of the social welfare system in the United States, social policy, and social services. It introduces a framework for the critical analysis of social welfare policy from a system perspective.

SWO 220. Introduction to Generalist Practice. 3 Credits.
In this course, students are introduced to the knowledge base, values and skills of the social work profession that guides practice with individuals, families, groups, organizations, communities, and societal systems.
Typically offered in Fall & Spring.

SWO 225. Race Relations. 3 Credits.
The course takes an interdisciplinary approach to the study of race, ethnicity and culture. By integrating findings from history, political science, sociology, and social work, students are introduced to cultural differences as they affect family life, the development of law, and the nature and magnitude of racism in our society. The overarching goal of this course is to encourage the student to embark on the process of becoming culturally competent.
Gen Ed Attribute: Diversity Requirement, Interdisciplinary Requirement.

SWO 300. Family Systems. 3 Credits.
This course is an introduction to the family from a systems theory perspective. The course includes discussion of historical and contemporary definitions of the family, types of families, the social function of families, and an overview of the family life cycle. Particular attention is paid to diversity in order to highlight variations in family forms and styles along the lines of race, ethnicity, class and sexual orientation.
Gen Ed Attribute: Writing Emphasis.
Distance education offering may be available. Typically offered in Summer.

SWO 320. Generalist Social Work Practice I. 3 Credits.
Students apply their knowledge of the strengths and ecological perspectives to the processes of engagement, assessment, planning, implementation, evaluation and termination for social work practice with individuals and families. Social Work majors only.
Pre / Co requisites: SWO 320 requires a corequisite or prerequisite of SWO 220 with a minimum of C or better.

SWO 321. Generalist Social Work Practice II. 3 Credits.
Students apply their knowledge of the strengths and ecological perspectives to the processes of engagement, assessment, planning, implementation, evaluation and termination for social work practice with groups, organizations and communities. Social Work majors only.
Pre / Co requisites: SWO 321 requires a prerequisite of SWO 320 with a minimum grade of C or better.

SWO 332. Social Welfare Policies and Services. 3 Credits.
This course introduces students to policy analysis. A main focus is an examination of how the US Government supports or inhibits social and economic justice through social welfare, social security social policy, and social services.

SWO 350. Human Behavior in Social Environment I. 3 Credits.
This course examines the life cycle from pre-natal development through young adulthood with an emphasis on micro and mezzo theories of human behavior from a strengths and ecological systems perspective. The course is designed to provide the theoretical foundation that informs the knowledge and skill bases of the generalist social work practitioner.

SWO 351. Human Behavior and the Social Environment II. 3 Credits.
This course examines the life cycle from middle adulthood through older adulthood and death and dying with an emphasis on mezzo and macro theories of human behavior from a strengths and ecological systems perspective.
Gen Ed Attribute: Diversity Requirement, Writing Emphasis.

SWO 375. Field Experience I. 6 Credits.
Junior-year field experience for the social work major in an approved setting and under the supervision of an approved field instructor. Social Work majors only.

SWO 395. Junior Seminar. 3 Credits.
The integration of knowledge, values, and skills within the theoretical framework of generalist social work practice. This course is the beginning foundation for students to examine ways social work theory and values are integrated into the reality of practice.
Pre / Co requisites: SWO 395 requires corequisite of SWO 375 with a minimum grade of C or better.
Consent: Permission of the Department required to add. Repeatable for Credit.

Special research projects or practices in social work.
Consent: Permission of the Department required to add. Typically offered in Fall, Spring & Summer.
Repeatable for Credit.

SWO 421. Mental Health & Social Work. 3 Credits.
This course introduces students to the signs and symptoms of mental illnesses and substance abuse disorders. Specific practice skills for social work practice, the range of mental health services, and relevant social policies are covered.

SWO 423. Child Welfare Practice And Policy. 3 Credits.
Emphasis is placed on assessment of and understanding child abuse and neglect, the long term effects of child maltreatment, how to engage families in which child maltreatment is an identified issue, the child protective service system and relevant policies.

SWO 431. Methods Of Social Inquiry. 3 Credits.
The course introduces students to qualitative and quantitative research, ethical and cultural issues in research, and fosters critical thinking in evaluating existing research. Students learn how to conduct a research project and the skills of social work practice evaluation.
Pre / Co requisites: SWO 431 requires prerequisites of SWO 200, SWO 220, SWO 225, and SWO 300.
Typically offered in Fall.

SWO 432. Advanced Policy Practice. 3 Credits.
The relationship between social policy and social work practice is strengthened as students are taught the concept of policy practice or how to develop, influence and implement social policy in their social work practice everyday.

SWO 450. Field Experience II. 6 Credits.
Senior field experience for the social work major in an approved setting and under the supervision of an approved field instructor. Senior social work majors only.
Repeatable for Credit.

SWO 451. Field Experience III. 6 Credits.
Senior field experience for the social work major in an approved setting and under the supervision of an approved field instructor. Senior social work majors only.
Repeatable for Credit.

SWO 490. Topical Seminar In Social Work. 3 Credits.
This course is a one-week intensive cultural immersion experience that will include a field trip to two reservations of the Great Sioux Nation.
Repeatable for Credit.

SWO 491. Sexuality Concepts for Social Workers. 3 Credits.
Human sexuality is one of the basic foundations for life. From before birth, individuals are sexed, gendered and bombarded with messages about who they are, who they should be and how they are expected to behave. In adult life, whether individuals choose to date, to partner or to remain single; to have children, to adopt or to create other forms of family, sexuality is one of the central and organizing components of the human experience. In this course, human sexuality is explored in three separate sections from a biopsychosocial perspective.
The first of these units addresses an overview of sexuality information and functioning. The second examines psychosocial issues, as they exist within sexuality. Lastly, the manifestations of human sexuality as they occur within the Social Work and human services context are investigated.
Gen Ed Attribute: Writing Emphasis.

SWO 495. Social Work Senior Seminar I. 3 Credits.
Integration of field and classroom experiences in discussing the application of the generalist model to the helping process. Emphasis is on all levels of practice (individuals, families, groups, organizations, and communities. Social Work majors only.
Pre / Co requisites: SWO 495 requires a prerequisite of SWO 395 and a corequisite of SWO 450.
Gen Ed Attribute: Writing Emphasis.
SWO 496. Social Work Senior Seminar II. 3 Credits.
Integration of field and classroom experiences in discussing the application of the generalist model to the helping process. Emphasis is on advocacy and social justice. Social work majors only.
Pre / Co requisites: SWO 496 requires a prerequisite of SWO 495 and a corequisite of SWO 451.

BACHELOR OF SOCIAL WORK (B.S.W.)

College of Education and Social Work

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)
English Composition requirements 6
Mathematics requirement 3
Public Speaking requirement 3
Science requirements 6
Behavioral & Social Science requirements 6
Humanities requirements 6
Arts requirement 3
Diverse Communities requirement 3
Interdisciplinary requirement 3
Student Electives 9
Writing Emphasis requirements 9

Must include a course in the following areas: BIO; HIS; LIT/CLS; PHI; PSC; PSY; SOC (Students are required to take 9 semester hours of writing emphasis courses. The social work curriculum includes two (SWO 300 and SWO 351). Students need to choose an additional writing emphasis course to fulfill this general education requirement.

Language Requirements
Six semester hours of language (students may request to take culture cluster courses to meet some or all of this requirement, advisor permission is required).

Additional Liberal Arts Foundation Course
To support the liberal arts foundation and biopsychosocial perspective in social work, these courses are also required of social work majors: PHI, PSC, PSY, SOC (Students are required to take 9 semester hours of writing emphasis courses. The social work curriculum includes two (SWO 300 and SWO 351). Students need to choose an additional writing emphasis course to fulfill this general education requirement.

Social Work Pre-Candidacy Courses
Must earn a minimum of 2.50 GPA in these courses to be accepted into candidacy:
SWO 200 Introduction to Social Welfare 3
SWO 220 Introduction to Generalist Practice 3
SWO 225 Race Relations (also meets interdisciplinary requirement) 3
SWO 300 Family Systems 3

Social Work Professional Foundation
Students must maintain a 2.50 GPA in these courses:
SWO 320 Generalist Social Work Practice I 3
SWO 321 Generalist Social Work Practice II 3
SWO 332 Social Welfare Policies and Services 3
SWO 350 Human Behavior in Social Environment I 3
SWO 351 Human Behavior and the Social Environment II 3
SWO 375 Field Experience I 6
SWO 395 Junior Seminar 3
SWO 431 Methods Of Social Inquiry 3
SWO 432 Advanced Policy Practice 3
SWO 450 Field Experience II 6
SWO 451 Field Experience III 6
SWO 495 Social Work Senior Seminar I 3
SWO 496 Social Work Senior Seminar II 3

Total Minimum Credits Required 120

In addition, continued matriculation at the professional level of the B.S.W. program requires that all students:
• Maintain an overall GPA of 2.00 or better in the general education requirements
• Maintain an average 2.50 GPA in the required liberal arts foundation courses
• Obtain a 2.50 GPA to graduate from the social work program
• Adhere to field practice requirements in accordance with the Undergraduate Social Work Field Manual
• Comply with NASW Code of Ethics and the professional behaviors established by the social work program

Sample Course Plan
To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SWO 200</td>
<td>Introduction to Social Welfare</td>
<td>3</td>
</tr>
<tr>
<td>SWO 225</td>
<td>Race Relations (I or J)</td>
<td>3</td>
</tr>
<tr>
<td>WRT 120</td>
<td>Effective Writing I 1</td>
<td>3</td>
</tr>
<tr>
<td>Select approved Sociology course (SOC 200 or SOC 240 recommended)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Foreign Language (Spanish recommended)</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

Semester Two
Pre-Candidacy
SWO 220 Introduction to Generalist Practice 3
SWO 300 Family Systems (W) 3
Select one of the following: 1 3
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRT 200</td>
<td>Critical Writing and Research</td>
<td>3</td>
</tr>
<tr>
<td>WRT 204</td>
<td>Critical Writing: Approaches to Pop Culture</td>
<td>3</td>
</tr>
<tr>
<td>WRT 205</td>
<td>Critical Writing: Investigating Experience</td>
<td>3</td>
</tr>
<tr>
<td>WRT 206</td>
<td>Critical Writing: Multidisciplinary Imagination</td>
<td>3</td>
</tr>
<tr>
<td>WRT 208</td>
<td>Critical Writing: Entering Public Sphere</td>
<td>3</td>
</tr>
<tr>
<td>WRT 220</td>
<td>Critical Writing: Special Topics</td>
<td>3</td>
</tr>
<tr>
<td>Select approved Psychology course (PSY 100 recommended)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Foreign Language 2</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

Year Two
Semester Three
Pre-Candidacy
SWO 332 Social Welfare Policies and Services 3
SWO 350 Human Behavior in Social Environment I 3
Select one approved Political Science course (PSC 100 recommended) 2 3
Select approved BIO course (BIO 102 will not count towards this requirement) 1 3
| Select approved History course (HIS 150 recommended) | 3 |
| Credits | 15 |

**Semester Four**

| SWO 320 | Generalist Social Work Practice I | 3 |
| SWO 351 | Human Behavior and the Social Environment II (W) (J) | 3 |
| SPK 208 | Public Speaking | 3 |
| or | Business and Professional Speech |
| SPK 230 | Communication | 3 |

Select one approved science class from the following; 3

| CHE 100 | Concepts of Chemistry |
| CHE 160 | The Chemistry of Beer |
| CSC 110 | Fundamentals in Computer Science |
| CSC 115 | Introduction to Computer Programming |
| CSC 141 | Computer Science I |
| ESS 101 | Introduction to Geology |
| ESS 111 | Other Worlds, Other Stars |
| ESS 170 | Introduction to Our Atmosphere |
| PHY 100 | Elements of Physical Science |
| PHY 105 | Structure of the Universe |
| PHY 130 | General Physics I |
| PHY 140 | General Physics II |
| PHY 170 | Physics I |
| PHY 180 | Physics II |

Select one advised elective 3

| Elective | 3 |
| Credits | 15 |

**Year Three**

**Semester Five**

Candidacy Application Due Sept 15

Professional Social Work Coursework

| SWO 321 | Generalist Social Work Practice II | 3 |
| SWO 431 | Methods Of Social Inquiry | 3 |
| Select any Math course (MAT 104 or MAT 121 recommended) | 3 |
| Select any approved Philosophy course (PHI 180 recommended) | 3 |

| Elective | 3 |
| Credits | 15 |

**Semester Six**

Professional Social Work Coursework

| SWO 375 | Field Experience I | 6 |
| SWO 395 | Junior Seminar | 3 |
| SWO 432 | Advanced Policy Practice | 3 |

| Select one advised elective | 3 |
| Credits | 15 |

**Year Four**

**Semester Seven**

Professional Social Work Coursework

| SWO 450 | Field Experience II | 6 |
| SWO 495 | Social Work Senior Seminar I | 3 |
| Select one approved course in Art, Cinematography, Dance, Music, Photography, or Theatre | 3 |
| Select one advised elective | 3 |

| Credits | 15 |

**Semester Eight**

| SWO 451 | Field Experience III | 6 |
| SWO 496 | Social Work Senior Seminar II | 3 |

| Select two advised electives | 6 |
| Credits | 15 |

| Total Credits | 120 |

1 General Education Requirements
2 Required Liberal Arts

May take social work courses concurrently while applying for candidacy.

**DEPARTMENT OF SPECIAL EDUCATION**

**College of Education and Social Work**

304 Recitation Hall

Department of Special Education (http://www.wcupa.edu/specialEducation)
Beatrice Adera (badera@wcupa.edu), Interim Chairperson

The Department of Special Education stands out in the southeastern Pennsylvania and the tri-state region with its extensive early practicum experiences for its students; professionally diverse faculty; a high rate of employment opportunities; a heightened sense of collegiality and volunteerism among its students; and national (Council for Exceptional Children, National Council for Accreditation of Teacher Education), regional (Middle States Association of Colleges and Secondary Schools), and state (Pennsylvania Department of Education [PDE]) approvals, recognition, and accreditations.

The faculty is committed to supporting the development of teachers who acquire the knowledge, skills, and dispositions to construct effective, high-quality educational programs for children with disabilities. The mission is to foster knowledgeable, passionate, competent, and reflective graduates who will serve as eloquent, articulate advocates for all children, families, and special education professionals. This program provides students with field placement and experience in the same block of courses where they are concurrently learning characteristics, teaching methods, application, and theory. These placements give students an opportunity to reflect and question what they observe and experience in these settings, which is vital to the success of integrating theory and practice.

The field experiences in private or public schools are designed to give students first-hand opportunities with children in high-incidence and low-incidence settings. The course work taken concurrently provides students with the theory and research necessary to become effective teachers.

**Programs of Study**

The Department of Special Education offers two programs of study leading to certification at the PreK-8 or the 7-12 level. Students seeking certification in special education may be required to seek certification in an additional content area.

- The B.S.Ed. Special Education PreK-8 (dual major with PreK-4 or Middle Grades 4-8) will qualify students for PDE special education certification at the PreK-8 level and certification in PDE early grades preparation (PreK-4) or middle grades preparation (4-8).
- The B.S.Ed. Special Education 7-12 will qualify students for PDE special education certification at the 7-12 level when paired with PDE certification in a secondary content area, including biology, chemistry, earth and space science, English (literature or writing), general science, mathematics, physics, or certain K-12 education programs.

To graduate, students enrolled in the B.S.Ed. Special Education PreK-8 program are required to double-major with either Early Grades Preparation (PreK-4) or Middle Grades Preparation (4-8).
To graduate, students enrolled in the B.S.Ed. Special Education 7-12 program are not required to double-major with a secondary or K-12 teacher certification program. However, to be eligible for PDE teacher certification in Special Education 7-12, students must double-major with a secondary education or K-12 education program. Students who do not double-major with a secondary or K-12 education program will not be eligible for PDE Special Education 7-12 certification. See the PDE for certification requirements.

Upon completion of the program and achievement of passing scores on state certification exams, students will qualify for a Pennsylvania Instructional I Certificate in both areas of their dual course of study (if applicable), which is valid for six years of teaching. Passing scores on state certification exams are not required for graduation.

**Minor Programs**

**Minor in Special Education**

Current trends, enforced by recent litigation, have increased the need for a general understanding of the individuals with disabilities in our culture, the department also offers a Minor in Special Education, which is designed to introduce students to individuals with disabilities through course work and field experiences. Students who desire admission to the Minor in Special Education must have achieved the minimum cumulative GPA required for their earned credits: 2.65 for students with 12-47 credits, and 2.80 for students with 48 or more credits. Students admitted to this minor must maintain that minimum cumulative GPA in order to continue. Students who fall below the minimum cumulative GPA required are permitted to retake, in accordance with University policy, course work in the minor that contributed to their fall below the minimum required GPA. Such students will not be permitted to take additional course work in the minor until they achieve the minimum cumulative GPA.

**Minor in Autism Education**

The Minor in Autism Education is an 18-credit program designed to provide students knowledge of, and the opportunity to demonstrate competencies related to, research-based assessment, intervention, instruction, and program management for persons with autism in PreK-12 settings. The minor is applicable for future professionals serving students with autism across age/grade levels (preschool through completion of high school) and various ranges of functioning. The need for professionals with working knowledge of autism continues to grow as the prevalence for individuals with autism continues to increase. These minors do not lead to Instructional I teacher certification by the Pennsylvania Department of Education. However, students who complete the Minor in Autism Education are eligible for the PDE Autism Endorsement upon receipt of their Instruction I certification.

**Programs**

**Majors in Special Education**

- B.S.Ed. in Special Education - PreK-8 And Early Grades Preparation (PreK-4) (p. 464)
- B.S.Ed. in Special Education - PreK-8 And Middle Grades Preparation (4-8) (p. 465)
- B.S.Ed. in Special Education (7-12) (p. 466)

**Minors in Special Education**

- Autism Education (p. 466)
- Special Education (p. 467)
- Early Intervention (p. 467)

**Graduate Opportunities**

See the graduate catalog for more information on the Special Education programs. (http://catalog.wcupa.edu/graduate/education-social-work/special-education)

**Policies**

- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

**Requirements for B.S.Ed. Programs**

In order to be eligible for graduation, an undergraduate student must satisfactorily complete the following requirements:

1. 135 credits for the B.S.Ed. in Special Education/Early Grades Preparation; 135 credits for the B.S.Ed. in Special Education/ Middle Grades Preparation; 136–154 credits for the B.S.Ed. in Special Education/secondary (dual program content area) or B.S.Ed. in Special Education/B.A. in History (dual degrees); and 120 credits for the B.S.Ed. - Special Education (7-12) as a single degree
2. Formal Admission to Teacher Education (FATE) (see below)
3. Minimum GPA of 3.0
4. State licensure examinations relevant to each area of the chosen dual major/dual degrees noted above, which would grant teacher certification in both special education and the selected dual program (if applicable). Exams must be taken prior to student teaching.

**Admission to Special Education Degree Programs**

For formal admission to the special education degree program, see the Educator Preparation Programs (p. 266) section of this catalog.

**Requirements for Transfer to the Majors in Special Education**

Students seeking to transfer in to the Special Education PreK-8 program must simultaneously obtain admission in to the Early Grades Preparation (PreK-4) or Middle Grades Preparation (4-8) programs. Students seeking transfer in to the Special Education 7-12 program may opt--but are not required--to seek enrollment into a secondary content area. These students must secure the signatures from the chair of the Department of Special Education as well as the chair of the department in which the desired dual major program resides. Students may apply for "external transfer" when transferring from another post-secondary institution. Students already admitted to West Chester University as pre-majors or in another major may apply for "internal transfer." Students seeking external or internal transfer must have a minimum of 12 college-level credits. Students with 12-47 credits must also have a minimum GPA of 2.65. The required minimum cumulative GPA for students with 48-59 earned credits is 2.80. Students with 60 or more earned credits must have a minimum cumulative GPA of 2.80; must have achieved passing scores on either the PPST (if testing was started prior to April 2, 2012) or the PAPA; and must have completed college-level studies in English composition (three credits), literature taught in English (three credits), and mathematics (six credits). External or internal transfer to the major in special education does not represent or confer formal admission to teacher education (See “Formal Admission to Teacher Education” in the Educator Preparation Programs section (p. 266)).

In addition to the general requirements for Formal Admission to Teacher Education, B.S.Ed. candidates who are admitted to the major in special education must also complete 20 hours of pre-approved, unpaid community service for agencies/organizations serving children and/or youth and/or adults with special needs and/or families (at least ten of these hours must be provided in one setting); and (2) a
written reflection that has been assessed as satisfactory on how this service has influenced their development as teachers. The nature of the service must provide a direct, concrete benefit to the population(s) an agency/organization serves. The hours that candidates devote to this community service requirement may not also be used to fulfill any requirement for a credit-bearing course.

Application and Approval for Student Teaching

Students must apply through the Office of Field Placements and Student Teaching for approval for student teaching placements. Prerequisites for student teaching include the following:

- Formal Admission to Teacher Education (FATE)
- 96 credits, including all professional educational courses and all specialized preparation courses with necessary grade prerequisites, with a cumulative GPA of 2.8
- Completion of the following forms: student teaching application, child abuse history clearance form, request for criminal record check, FBI records check, and a TB test. Students should allow enough time to receive responses for clearance. All clearance forms are valid for one year, except the TB test, which is valid for the duration of attendance at WCU but must be administered within three months prior to entering the initial field placement.

The application for student teaching must be filed within one full year prior to the academic semester in which student teaching is to be scheduled. Application meetings will be announced at the beginning of the fall semester each year. Students register for student teaching as they would for any other University courses.

Field Placement in Schools

All field placements, including student teaching, are arranged by the department. Students are not to solicit placements. While student needs are considered in assigning placements, no particular placement can be guaranteed. Transportation to and from field placements is the responsibility of the individual student.

West Chester University does not place students at religiously affiliated schools when public schools are available for a student teaching experience. In addition, the University will make every attempt to first place students into public (vs. private) schools for student teaching and related activities. Further, students will not be assigned student teaching or other related duties at nonsectarian private schools or agencies unless they specifically request such placement. Each request will be considered individually to ensure that the private entity does not receive special benefit from the arrangement that outweighs the benefit to the University and its students.

Faculty

Professors

Vicki A. McGinley (vmcginley@wcupa.edu) (1997)
B.A., University of Pittsburgh; M.A., Ph.D., Temple University
Claire Verden (cverden@wcupa.edu) (2006)
B.S., West Chester University; M.Ed., Temple University; Ed.D., Arcadia University
Donna Wandry (dwandry@wcupa.edu) (1999)
B.S., University of Wisconsin - Eau Claire; M.Ed., University of Utah; Ph.D., University of Florida

Associate Professors

Beatrice Adera (badera@wcupa.edu) (2010)
Chairperson, Special Education
B.S., University of Nairobi (Kenya); M.Ed., Ph.D., University of North Texas
N. Kim Doan (ndoan@wcupa.edu) (2008)
B.A., M.A., California State University; Ph.D., University of Virginia

Assistant Professors

Mary A. Houser (mhouser@wcupa.edu) (2013)
B.F.A., Kurztown University; M.A.T., The College of New Jersey; Ed.D., Fayetteville State University
Ashley J. Miller (amiller2@wcupa.edu) (2017)
B.S., Millersville University; M.Ed., University of Delaware; Ed.D., Wilmington University
Dawn Patterson (dpatterson@wcupa.edu) (2016)
M.Ed., Ed.D., University of North Carolina Charlotte

Courses

EDA

EDA 103. Foundations of Special Education. 3 Credits.
This course is designed to acquaint the prospective teacher with the historical legal evolution of the field, as well as characteristics of individuals with disabilities. Distance education offering may be available. Typically offered in Fall, Spring & Summer.

EDA 175. Introduction to Autism: Characteristics & Etiology. 3 Credits.
This course is designed to inform students about the characteristics and etiology of autism. Students will complete observations of individuals with autism in multiple school- and community-based settings. Pre / Co requisites: EDA 175 requires prerequisite EDA 103 OR KIN 205 and KIN 206. Typically offered in Spring.

EDA 195. Workshop. 1-3 Credits.
Intensive examination of a selected area of study in the field of special education. Topics will be announced in advance. Typically offered in Summer. Repeatable for Credit.

EDA 203. Field: Students with Exceptionalities. 3 Credits.
This course is designed to have the prospective teacher observe and reflect upon the characteristics of students with disabilities within the context of school and clinical settings. The content will focus on issues relative to special education in a diverse society and will rely heavily on reflective teaching and learning. Pre / Co requisites: EDA 203 requires prerequisite EDA 103. Typically offered in Fall, Spring & Summer.

EDA 212. Understanding Disability through Cultural Perspectives. 3 Credits.
This course will provide students with a general introduction to social justice theory, human rights issues, and social constructs surrounding disability on a global scale. Content will include perspectives of individuals with disabilities and will be delivered through a multimedia format. This course is designed for any student who is interested in learning more about disability within the context of today's society. Typically offered in Fall.

EDA 230. Inclusive Classroom. 3 Credits.
The purpose of this course is to prepare preservice early childhood, elementary and special education students to teach students with disabilities effectively in general settings. The course will be co-taught by special education and early childhood education faculty. Gen Ed Attribute: Diversity Requirement.
EDA 250. Inclusive Practices in Music Education. 1 Credit.
Designed to acquaint music educators with the philosophy of inclusive education and provide them with skills to accommodate students with disabilities in music classes. For music educators only.

EDA 275. Autism: Families, Inter-agency, and Community Collaboration. 3 Credits.
This course is designed to foster professional relationships between future service providers and families that are supporting an individual with autism and make those relationships meaningful, cooperative and productive. Pre / Co requisites: EDA 275 requires a prerequisite of EDA 175; field clearances. Typically offered in Summer.

EDA 280. Integrating the Arts. 3 Credits.
Fine art, music, puppetry, and dance are combined as creative processes to be adapted for use with children with disabilities. Typically offered in Fall & Spring.

EDA 303. Special Ed: Processes/Procedures for General Educators. 2 Credits.
The purpose of this course is to prepare preservice students to teach students with disabilities effectively in general education settings. Pre / Co requisites: EDA 303 requires prerequisite EDA 103 and Formal Admission to Teacher Education. Typically offered in Fall & Spring.

EDA 304. Special Ed Processes/Procedures for Secondary Educators. 3 Credits.
The purpose of this course is to prepare pre-service students to teach students with disabilities effectively in secondary general education settings. Pre / Co requisites: EDA 304 requires prerequisite EDA 103, EDP 250 and field clearances. Typically offered in Fall & Spring.

EDA 307. Families and Special Education. 3 Credits.
This course is designed to help pre-service teachers foster family professional relationships that are meaningful, cooperative, and productive. Roles that parents have played in the education of children and youth with disabilities will be emphasized. This course bases its objectives on the knowledge that involvement of families of individuals with disabilities is essential for the person’s education and well being, and is necessary from a legal perspective. The family is studied so that the perspective teacher can best know how to work with diverse families of children with disabilities, and within family systems. Gen Ed Attribute: Writing Emphasis. Typically offered in Fall & Spring.

EDA 312. Introduction to Early Intervention. 3 Credits.
This course is an overview of the field of early childhood special education. Students will explore the processes of early intervention including screening, assessment, instructional programming, integrating children with and without disabilities, and family involvement. Typically offered in Fall & Spring.

EDA 314. Curriculum and Instruction for Individual Learning Differences 1. 3 Credits.
This course is designed to prepare students to assist children with disabilities achieve skills in academics and functional life domains. Emphasis is placed on understanding and analysis of learning problems, and the design and planning of instructional interventions. Pre / Co requisites: EDA 314 requires prerequisites of EDA 103, EDA 203, and Formal Admission to Teacher Education. Typically offered in Fall, Spring & Summer.

EDA 320. Behavior Management. 3 Credits.
An exploration of current practices in management of behavior with emphasis on teacher-delivered systems. Pre / Co requisites: EDA 320 requires prerequisites of EDA 104 co-requisite of EDA 347.

EDA 321. Behavior Management & Field Experience. 6 Credits.
An exploration of current practices in management of behavior with emphasis on teacher-delivered systems. It includes a field placement in a school where students will assess and develop interventions for a child with behavioral challenges. Pre / Co requisites: EDA 321 requires prerequisite of EDA 103 and EDA 203. Typically offered in Fall, Spring & Summer.

EDA 331. Early Intervention for Infants and Toddlers with Disabilities. 6 Credits.
LEC (3), DIS (3)
This is a methods and field course that focuses on learning to work with infants and toddlers with disabilities and their families. It will include an exploration of the following: characteristics of typical development and the implications of disabilities on the development of young children; impact on the family; modification of the educational and care giving environments; and approaches to curriculum and assessment. Students will have the opportunity to work with infants or toddlers in an early intervention agency or family home environment. For this course, 3 credit hours will consist of instructor lecture of course content and 3 credit hours will consist of a minimum of 40 hours in the field, which provides students with the opportunity to apply content through observations and interactions with families and children, ages, birth to 3 years old, with regular observations completed by the course instructor. Pre / Co requisites: EDA 331 requires a prerequisite of admission to the Early Intervention Minor, department consent required for up-to-date clearances (FBI, PA Child Abuse, PA Criminal, TB), and Staff Health Assessment Form. Typically offered in Fall, Spring & Summer. Cross listed courses EDA 331, EGP 331.

EDA 332. Family Systems in Early Intervention. 3 Credits.
This course introduces the theory and practice of family intervention with diverse populations including families of infants, toddlers, and preschoolers with disabilities. It bases its objectives on the knowledge that the involvement of families is essential to the education and well being of young children. The methods of service delivery for young children with disabilities and their families are discussed in addition to the key aspects of collaboration, services coordination and family centered services with culturally responsive practices. Typically offered in Fall, Spring & Summer. Cross listed courses EDA 332, EGP 332.

EDA 333. Teaching Young Children with Disabilities. 6 Credits.
LEC (3), DIS (3)
This is a methods and field course that focuses on building skills in working with preschoolers with disabilities. The course covers curricula, instructional strategies, and classroom environments that facilitate development and learning for young children 3-5 years old with disabilities. For this course, 3 credit hours will consist of instructor lecture of course content and 3 credit hours will consist of a minimum of 40 hours in the field, which provides students with the opportunity to apply content through observations and interactions with professionals, families and children, ages, 3 to 5 years old with regular observations completed by the course instructor. Pre / Co requisites: EDA 333 requires a prerequisite of admission to the Early Intervention Minor, department consent required for up-to-date clearances (FBI, PA Child Abuse, PA Criminal, TB), and Staff Health Assessment Form. Typically offered in Fall, Spring & Summer. Cross listed courses EDA 333, EGP 333.

EDA 334. Assessment for Early Intervention. 3 Credits.
This course is designed to provide the student with the knowledge and skills needed for assessment appropriate to young children with disabilities and those who are considered to be “at-risk”. We will cover norm and criterion referenced assessment, developmental assessment and alternative assessment methodologies. This course bases its objectives on the knowledge that all early intervention professionals will need to know how to work with a diverse group of young children with disabilities. It will acquaint the student with the legal mandates of serving young children with disabilities in the least restrictive setting, as well as the characteristics of those children with disabilities, including family characteristics. Also, emphasis will be placed on working within the team structures, as appropriate to inclusive practices, and the various roles each professional takes on. Typically offered in Fall, Spring & Summer. Cross listed courses EDA 334, EGP 334.

EDA 341. Inclusion & Reading in the Content Area. 3 Credits.
This course is co-taught by special education faculty and literacy faculty. It will help prepare secondary education and special education majors to effectively teach all students, including those with disabilities, in general education, content-specific settings. Practical guidelines, content literacy strategies, and adaptations will be emphasized to prepare pre-educators to meet the academic, social and affective needs of all students in the inclusive secondary classroom. Pre / Co requisites: EDA 341 requires prerequisites of EDP 250, and EDF 100 or EDF 300. Honors students take HON 312 in lieu of EDF 300. Gen Ed Attribute: Diversity Requirement. Cross listed courses EDA 341, EDR 341.
B.S.ED. IN SPECIAL EDUCATION - PREK-8 AND EARLY GRADES PREPARATION

### (PREK-4)

**EDA 361. Assessment and Special Education. 3 Credits.**
An introduction to instructional assessment in special education and the development of relevant educational plans to meet federal regulations.
Pre / Co requisites: EDA 361 requires prerequisites of EDA 103, EDA 203, and Formal Admission to Teacher Education.
Typically offered in Fall, Spring & Summer.

**EDA 375. Autism Studies: Assessment & Instruction I. 3 Credits.**
This course is designed to inform students about assessment and instructional planning for individuals with autism. Emphasis will be placed on students demonstration of planning for and implementing assessments across the range of domains including behavior.
Pre / Co requisites: EDA 375 requires prerequisite EDA 175; Field Clearances.
Typically offered in Summer.

**EDA 380. Career Development and Transition. 3 Credits.**
This course is a study of life-span issues for individuals with disabilities. It stresses curriculum content and instructional strategies that are sensitive to human diversity and promote career development and transition.
Pre / Co requisites: EDA 380 requires prerequisites of EDA 104; EDA 320/347 or EDA 302/350/360; and formal admission to teacher education.

**EDA 410. Independent Study. 1-3 Credits.**
Special topics or projects initiated by the student that will enable her or him to do extensive and intensive study in an area of special education. Consent: Permission of the Department required to add. Repeatable for Credit.

**EDA 413. PreK-8 Aspects of Transition. 3 Credits.**
This course will address support structures that serve students with disabilities as they transition from homebound to and throughout K-8 school based instruction, stressing legislative foundations, interagency linkages, school partnerships, referral processes, and systems of service delivery. The teacher practitioner as change agent will be an underlying theme.
Pre / Co requisites: EDA 413 requires prerequisite Formal Admission to Teacher Education, EDA 103, EDA 203.
Distance education offering may be available.
Typically offered in Fall & Spring.

**EDA 414. Secondary Career Development and Transition. 3 Credits.**
This course will address support structures that serve students with disabilities as they transition from middle to high school and to adult life, stressing legislative foundations, interagency linkages, school partnerships, referral processes, and systems of service delivery. The teacher practitioner as change agent will be an underlying theme. We will examine the life span issues for persons with disabilities - addressing assessment, planning, and instructional strategies that promote career development and transition education at secondary age levels. Attention will be given to curricular benchmarks and standards, and how functional outcomes interact with those benchmarks and standards.
Pre / Co requisites: EDA 414 requires prerequisites of EDA 103, EDA 203, and Formal Admission to Teacher Education.
Distance education offering may be available.
Typically offered in Fall & Spring.

**EDA 416. Student Teaching for Exceptional Learners. 6 Credits.**
Participation in teaching and all other activities in the student teaching role related to the teacher's work. PREREQ: 96 semester hours including all professional education courses and all specialized preparation courses with standards. Field clearances required.
Pre / Co requisites: EDA 416 requires formal admission into teacher education, EDA 103, EDA 203, EDA 314, EDA 321, EDA 361, EDA 413, EDA 421, and EDA 429.
Typically offered in Fall & Spring.

**EDA 475. Autism Studies: Assessment & Instruction II. 3 Credits.**
This course and field is designed to prepare students to assist children with disabilities achieve skills in academics and functional life domains. Emphasis is placed on understanding and analysis of learning problems, and the design, plan and implementation of instructional interventions. Field clearances required.
Pre / Co requisites: EDA 475 requires prerequisites of EDA 103, EDA 203, EDA 314, EDA 321, EDA 361, and formal admission to Teacher Education.
Typically offered in Fall & Spring.

**EDA 429. Communication Development and Assistive Technologies for Students w/ Disabilities. 3 Credits.**
This course will provide a broad overview of normal and atypical communication development. Importance will be given to communication disorders, characteristics of students with disabilities and the impact of high and low technology.
Pre / Co requisites: EDA 429 requires prerequisite EDA 103, EDA 203 and Formal Admission to Teacher Education.
Typically offered in Fall & Spring.

**EDA 475. Autism Studies: Assessment & Instruction II. 3 Credits.**
Students will use the science of applied behavior analysis to evaluate the strengths and weaknesses of current instructional strategies for students with autism. Students will demonstrate evidence-based instructional strategies and apply these strategies in field settings supporting individuals with autism.
Pre / Co requisites: EDA 475 requires prerequisite EDA 375; Field Clearances.
Typically offered in Summer.

### B.S.ED. IN SPECIAL EDUCATION - PREK-8 AND EARLY GRADES PREPARATION (PREK-4)

#### Curriculum

**General Education Requirements** ([http://catalog.wcupa.edu/undergraduate/general-education-requirements](http://catalog.wcupa.edu/undergraduate/general-education-requirements))

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<th>Requirement</th>
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<td>Mathematics requirement</td>
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<td>Public Speaking requirement</td>
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<td>Diverse Communities requirement</td>
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<td>ENG 382 Teaching English Language Learners PK-12</td>
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<td>or LAN 382 Teaching English Language Learners PK-12</td>
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<td>Interdisciplinary requirement</td>
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<td>EDF 255 Evolution of Schooling in U.S.</td>
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<td>Science requirements</td>
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<td>SCI 101 The Carbon Cycle</td>
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<td>SCI 102 Electricity With Physical And Bio Applic</td>
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<td>Behavioral and Social Science requirements</td>
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<tr>
<td>GEO 101 World Geography</td>
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<td>or PSC 100 U.S. Government and Politics</td>
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<td>Humanities requirements</td>
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<td>HIS 150 The American Experience</td>
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<td>LIT 219 Literature for Young Children</td>
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<td>Arts requirement</td>
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<td>Student Electives</td>
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<td>Writing Emphasis requirements</td>
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**Major Requirements**

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<td>EDA 103</td>
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<td>EDA 203</td>
<td>Field: Students with Exceptionalities</td>
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<tr>
<td>EDA 314</td>
<td>Curriculum and Instruction for Individual Learning Differences I</td>
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**Course Descriptions**

- **EDA 361. Assessment and Special Education. 3 Credits.**
- **EDA 375. Autism Studies: Assessment & Instruction I. 3 Credits.**
- **EDA 380. Career Development and Transition. 3 Credits.**
- **EDA 410. Independent Study. 1-3 Credits.**
- **EDA 413. PreK-8 Aspects of Transition. 3 Credits.**
- **EDA 414. Secondary Career Development and Transition. 3 Credits.**
- **EDA 416. Student Teaching for Exceptional Learners. 6 Credits.**
- **EDA 475. Autism Studies: Assessment & Instruction II. 3 Credits.**
- **EDA 429. Communication Development and Assistive Technologies for Students w/ Disabilities. 3 Credits.**
- **EDA 475. Autism Studies: Assessment & Instruction II. 3 Credits.**
### Curriculum

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<td>EDA 361</td>
<td>Assessment and Special Education</td>
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<td>EDA 413</td>
<td>Pre-K-8 Aspects of Transition</td>
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<td>EDA 421</td>
<td>Curriculum and Instruction for Individual Learning Differences II and Field</td>
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<td>EDA 416</td>
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<td>or EDA 417</td>
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<td>Literacy Development and Students in Inclusive Classrooms</td>
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<td>EGP 209</td>
<td>Child Development: Prebirth - 5 Years</td>
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<td>Engaging Learners: Integrating Academic/Social Development for High Achieving Equitable Classrooms</td>
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<td>MAT 101</td>
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<td>EGP 410</td>
<td>Student Teaching</td>
<td>6</td>
</tr>
<tr>
<td>or EGP 411</td>
<td>Student Teaching</td>
<td>6</td>
</tr>
</tbody>
</table>

**Total Minimum Credits Required**: 135

### Other Degree Completion Requirements

- Students seeking PDE teaching certification in Special Education must be enrolled in another teacher certification content area (PreK-4 or 4-8).
- Students must receive a C or better in all special education and supporting courses, maintain a 2.80 GPA, and achieve a GPA of 3.0 to be eligible for certification.

All Pennsylvania Department of Education (PDE) Special Education PreK-8 and 7-12 teacher certification applicants are subject to dual certification requirements at the time of application. See the PA Department of Education for details.

### Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

### B.S.ED. IN SPECIAL EDUCATION - PREK-8 AND MIDDLE GRADES PREPARATION (4-8)

**College of Education and Social Work**

### Major Requirements

- EDA 103 Foundations of Special Education                           | 3
- EDA 203 Field: Students with Exceptionalities                    | 3
- EDA 314 Curriculum and Instruction for Individual Learning Differences I | 3
- EDA 321 Behavior Management & Field Experience                   | 6
- EDA 361 Assessment and Special Education                          | 3
- EDA 413 Pre-K-8 Aspects of Transition                             | 3
- EDA 421 Curriculum and Instruction for Individual Learning Differences II and Field | 6
- EDA 429 Communication Development and Assistive Technologies for Students w/ Disabilities | 3
- EDA 416 Student Teaching for Exceptional Learners                 | 6
- EDA 417 or EDA A17 Student Teaching for Exceptional Learners      | 6
- EDP 200 Middle Grades Cognition                                   | 3
- EDP 201 Young Adolescent/Adolescent Development and Learning Theories | 3
- EDP 354 Assessment for Learning: Middle Grades                    | 3
- EDR 345 Literacy Development and Students in Inclusive Classrooms | 3
- MGP 220 Field Experience: Middle Level Environment               | 3
- MGP 335 Teaching Social Studies in Middle Grades                  | 3
- SCE 330 Science Methods for Middle Level (4-8)                    | 3

### Related/Cognate Requirements

- Students wishing to obtain certification to teach in grades 4–8 must complete a minimum of 12 credit hours of related course work in each of four generalist content areas: mathematics, reading/language arts, science, and social studies. Of these four generalist areas, students must complete one 21 credit area of concentration. Students choosing the science concentration area will complete 9 generalist credits of history. Students choosing the history concentration area will complete 9 generalist credits of science. See the department’s degree guidance sheet for courses in the 21- and 30-credit options. Students are encouraged to choose their concentration(s) based on their area(s) of interest for teaching grades 7 and 8.

### Math

- MAT 101 Mathematics for Teachers of Children I                   | 3
- MAT 102 Mathematics for Teachers of Children II                  | 3
- MAT 351 Methods for Teaching Children Math                       | 3
- MAT 353 Methods for Teaching Middle School Mathematics           | 3
- or MAT 352 Methods for Teaching Children Mathematics II          | 3

### Reading/Language Arts

- EDR 306 Teaching Language Arts 4-8                                | 3
- EDR 308 Foundations in Reading 4-8                                | 3
- EDR 318 Reading Instruction and Practicum 4-8                    | 6
Science

Students must complete 3 courses from the listing below: Students concentrating in science should consult with their advisor regarding courses to select for access to upper level science courses.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ESS 101</td>
<td>Introduction to Geology</td>
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<tr>
<td>BIO 110</td>
<td>General Biology</td>
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<td>or BIO 100</td>
<td>Basic Biological Science</td>
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<tr>
<td>CHE 107 &amp; CRL 107</td>
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<tr>
<td>or CHE 103 &amp; CRL 103</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>PHY 130</td>
<td>General Physics I</td>
<td>4</td>
</tr>
<tr>
<td>SCI 101</td>
<td>The Carbon Cycle 2</td>
<td>3</td>
</tr>
<tr>
<td>or SCI 102</td>
<td>Electricity With Physical And Bio Applic</td>
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</table>

Social Studies

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>GEO 101</td>
<td>World Geography</td>
<td>3</td>
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<tr>
<td>HIS 150</td>
<td>The American Experience 2</td>
<td>3</td>
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<tr>
<td>or HIS 151</td>
<td>History of the United States I</td>
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<tr>
<td>HIS 344</td>
<td>History of Pennsylvania</td>
<td>3</td>
</tr>
<tr>
<td>PSC 100</td>
<td>U.S. Government and Politics</td>
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Student Teaching

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>MGP 410</td>
<td>Student Teaching</td>
<td>6</td>
</tr>
<tr>
<td>or MGP 411</td>
<td>Student Teaching</td>
<td></td>
</tr>
</tbody>
</table>

Total Minimum Credits Required

135

Other Degree Completion Requirements

Students seeking PDE teaching certification in Special Education must be enrolled in another teacher certification content area (PreK-4 or 4-8)

1. Choose MAT 353 if concentrating in mathematics.
2. Choose SCI 101 if concentrating in science.
3. Choose HIS 151 if concentrating in social studies.

Students must receive a C or better in all special education and supporting courses, maintain a 2.80 GPA, and achieve a GPA of 3.0 to be eligible for certification.

All Pennsylvania Department of Education (PDE) Special Education PreK-8 teacher certification applicants are subject to dual certification requirements at the time of application. See the PDE for certification requirements.

Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

B.S.ED. IN SPECIAL EDUCATION (7-12)

College of Education and Social Work

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
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<tbody>
<tr>
<td>English Composition</td>
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<tr>
<td>Math requirement requirements</td>
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<tr>
<td>Public Speaking requirement</td>
<td>3</td>
</tr>
<tr>
<td>Science requirements</td>
<td>6</td>
</tr>
<tr>
<td>Behavioral and Social Science requirements</td>
<td>6</td>
</tr>
<tr>
<td>Humanities requirements</td>
<td>6</td>
</tr>
<tr>
<td>Arts requirement</td>
<td>3</td>
</tr>
<tr>
<td>Diverse Communities requirement</td>
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<tr>
<td>ENG 382 or LAN 382</td>
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</table>

Interdisciplinary requirement

Student Electives

Writing Emphasis requirements

Major Requirements 1

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDA 103</td>
<td>Foundations of Special Education</td>
<td>3</td>
</tr>
<tr>
<td>EDA 203</td>
<td>Field: Students with Exceptionalities</td>
<td></td>
</tr>
<tr>
<td>EDA 314</td>
<td>Curriculum and Instruction for Individual Learning Differences I</td>
<td>3</td>
</tr>
<tr>
<td>EDA 321</td>
<td>Behavior Management &amp; Field Experience</td>
<td>6</td>
</tr>
<tr>
<td>EDA 341</td>
<td>Assessment and Special Education</td>
<td>3</td>
</tr>
<tr>
<td>EDA 414</td>
<td>Secondary Career Development and Transition</td>
<td>3</td>
</tr>
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<td>EDA 416</td>
<td>Student Teaching for Exceptional Learners</td>
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</tr>
<tr>
<td>or EDA 417</td>
<td>Student Teaching for Exceptional Learners</td>
<td></td>
</tr>
<tr>
<td>EDA 421</td>
<td>Curriculum and Instruction for Individual Learning Differences II and Field</td>
<td>6</td>
</tr>
<tr>
<td>EDA 429</td>
<td>Communication Development and Assistive Technologies for Students w/ Disabilities</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Minimum Credits Required

120

Other Degree Completion Requirements

Students seeking certification in Special Education must be enrolled in another teacher certification content area.

1. See secondary education programs for other requirements (biology, chemistry, earth and space science, english, general science, history, mathematics, physics).

Requirements for optional secondary education programs:

- B.S.Ed. in Biology (p. 201)
- B.S.Ed. in Chemistry (p. 210)
- B.S.Ed. in English (p. 280)
- B.S.Ed. in Mathematics (p. 387)
- B.S.Ed. in Physics (p. 437)
- B.S.Ed. in Earth and Space Sciences (p. 251)
- B.A. in History (p. 309)
- Elective Social Studies Teacher Certification (p. 312)

Students must receive a C or better in all special education and supporting courses, maintain a 2.80 GPA, and achieve a GPA of 3.0 to be eligible for certification.

Students enrolled in the B.S.Ed. in Special Education: 7-12 program are not required to double-major in order to graduate. However, to be eligible for PDE teacher certification in Special Education: 7-12, students must double-major with a secondary education or K-12 education program. Students who do not double-major with a secondary or K-12 education program will not be eligible for PDE Special Education: 7-12 certification. See the PDE for certification requirements.

Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

MINOR IN AUTISM EDUCATION

College of Education and Social Work

Foundation

Select one of the following: 3-6

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDA 103</td>
<td>Foundations of Special Education</td>
<td>3</td>
</tr>
<tr>
<td>KIN 205 or KIN 206</td>
<td>Curriculum and Instruction: Inclusion in Health &amp; Physical Education and Adapted PE &amp; Health for Students with Disabilities</td>
<td>3</td>
</tr>
</tbody>
</table>

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2018-2019 UNDERGRADUATE CATALOG

MINOR IN SPECIAL EDUCATION

College of Education and Social Work

Core

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>EDA 175</td>
<td>Introduction to Autism: Characteristics &amp; Etiology</td>
<td>3</td>
</tr>
<tr>
<td>EDA 275</td>
<td>Autism: Families, Inter-agency, and Community Collaboration</td>
<td>3</td>
</tr>
<tr>
<td>EDA 375</td>
<td>Autism Studies: Assessment &amp; Instruction I</td>
<td>3</td>
</tr>
<tr>
<td>EDA 475</td>
<td>Autism Studies: Assessment &amp; Instruction II</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives

Select one of the following:

- KIN 205  Curriculum and Instruction: Inclusion in Health & Physical Education
- KIN 206  Adapted PE & Health for Students with Disabilities
- EDA 203  Field: Students with Exceptionalities
- EDA 304  Special Ed Processes/Procedures for Secondary Educators
- LAN/ENG 382  Teaching English Language Learners PK-12
- PSY 100  Introduction to Psychology
- PSY 327  Applied Behavior Analysis
- PSY 421  Issues in Autism: Diagnosis and Behavioral Treatments
- CSD 101  Introduction to Communicative Disorders
- CSD 110  American Sign Language I

Total Credits Required 18

Students who complete the Minor in Autism Education are eligible for the PDE Autism Endorsement upon receipt of their PDE Instructional I certification.

DEPARTMENT OF SPORTS MEDICINE

College of Health Sciences

216 Sturzebecker Health Sciences Center
610-436-3293

Department of Sports Medicine (http://www.wcupa.edu/sportsMed) Katherine Morrison (kmorrison@wcupa.edu), Interim Chairperson Neil Curtis (ncurtis@wcupa.edu), Athletic Training Program Director Sandra Fowkes-Godek (sfowkes-godek@wcupa.edu), Coordinator of Physician Services

The Department of Sports Medicine offers the B.S. in Athletic Training, a CAATE-accredited program, which prepares students to achieve national certification from the Board of Certification, Inc. (BOC). Students completing this major also are eligible for entry-level athletic training positions, as well as graduate study in such fields as athletic training, physical therapy, exercise physiology, biomechanics, and sports medicine.

The current B.S. in Athletic Training is being phased out after the admission of the fall 2016 class. Students who are interested in athletic training will complete a 3+2 accelerated program earning both a B.S. degree in Health Science and a M.S. degree in Athletic Training. Interested students should contact Dr. Neil Curtis, Athletic Training Program Director, at (610) 436-2119 or via e-mail at ncurtis@wcupa.edu.

Facilities

Offices, classrooms, and laboratories for the Department of Sports Medicine are housed in the Russell L. Sturzebecker Health Sciences Center. Clinical experience is offered in two athletic training rooms on campus, one located in Hollinger Fieldhouse and the recently expanded facility located in the Sturzebecker Health Sciences Center. The athletic training rooms offer students the opportunity to work with state-of-the-art equipment, including numerous electrical modalities, Cybex isokinetic dynamometers, and the latest in proprioceptive apparatus.

Pre-Physical Therapy Options

A student may follow several academic paths to prepare for a professional physical therapy program. Students who are interested in preparing for a professional physical therapy school may meet the prerequisites through:

1. The College of the Sciences and Mathematics by enrolling in the Department of Biology (p. 185)
2. The College of Health Sciences by enrolling in the Department of Sports Medicine (p. 467)

Students also may elect to take their undergraduate degree in the School of Interdisciplinary and Graduate Studies in the Liberal Studies - Science and Mathematics track (p. 358) with a Biology minor.
Students interested in Pre-Physical Therapy should contact Dr. Neil Curtis in Sports Medicine or Dr. Sharon Began in Biology (p. 185).

Programs

Majors in Athletic Training

• B.S. in Athletic Training (p. 470) (no longer accepting new students)

Graduate Opportunities

See the graduate catalog for more information about the Sports Medicine programs. (http://catalog.wcupa.edu/graduate/health-sciences/sports-medicine)

Policies

• See undergraduate admissions information. (p. 11)
• See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies/procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

Applicants should have a combined SAT score of 1100 and rank in the top 20% of their high school class. Qualified students are required to participate in an interview with department faculty prior to admission.

Technical Standards for the B.S. in Athletic Training Major

The B.S. in Athletic Training program at West Chester University prepares students for careers as certified athletic trainers where they will enter employment settings and render athletic training services to individuals engaged in physical activity. The clinical, classroom, and laboratory experiences place specific demands on the students enrolled in the program. The technical standards developed for the degree establish the essential qualities necessary for students to achieve the knowledge, skills, and competencies of an entry-level certified athletic trainer and meet the expectations of the agency (CAATE) that accredits the program.

Students must possess the abilities outlined below to be admitted into the program. Students selected for admission must verify that they understand and meet these technical standards with or without a reasonable accommodation. A student with a condition who may need a reasonable accommodation to meet these standards will be referred to the Office of Services for Students with Disabilities (OSSD) for an evaluation of whether the condition is a disability as defined by applicable laws, and a determination of what accommodations are reasonable. The determination will specifically take into consideration whether the requested accommodations might jeopardize the safety of the patient, and the ability to complete the classroom, laboratory, and clinical course work required for the athletic training program. The OSSD, with input from the Department of Sports Medicine, will make this determination. Whenever possible, reasonable accommodations will be provided for those individuals with disabilities to enable them to meet these standards and ensure that students are not denied the benefits of, excluded from participation in, or otherwise subjected to discrimination in this program.

The following are technical standards for the B.S. program, which are not inclusive of all expected abilities:

1. Critical thinking ability sufficient for clinical judgment
2. Interpersonal abilities sufficient to interact with individuals, families, and groups from a variety of social, emotional, cultural, and intellectual backgrounds
3. Communication abilities sufficient for interaction with others in verbal and written form
4. Physical abilities sufficient to maneuver in small or confined spaces and to provide emergency care
5. Gross and fine motor abilities sufficient to provide safe and effective athletic training care
6. Tactile dexterity sufficient for physical assessment
7. Visual ability sufficient for observation and assessment necessary in athletic training care
8. Auditory ability sufficient to monitor and assess health needs
9. Ability to maintain composure and function in highly stressful situations such as those associated with critical injury or illness

Faculty

Professors

Sandra Fowkes-Godek (sfowkesgodek@wcupa.edu) (1991)
B.S., Pennsylvania State University; M.S., University of Colorado; Ph.D., Temple University

Scott Heinerichs (sheinerichs@wcupa.edu) (2004)
B.S., West Chester University; M.A.T., University of South Carolina; Ed.D., Widener University

Carolyn Consuelo Jimenez (cjimenez@wcupa.edu) (1994)
B.A., Colorado College; M.S., University of Arizona; Ph.D., Temple University

Associate Professors

Nicole Cattano (ncattano@wcupa.edu) (2007)
Graduate Coordinator, Sports Medicine

Carolyn Consuelo Jimenez (cjimenez@wcupa.edu) (1994)
B.A., Colorado College; M.S., University of Arizona; Ph.D., Temple University

Assistant Professor

Lindsey Keenan (lkeenan@wcupa.edu) (2016)
B.S., Lock Haven University; M.S., East Stroudsburg University; M.S., East Stroudsburg University; Ph.D., Temple University

Instructors

Daniel Baer (dbaer@wcupa.edu) (2016)
B.S., West Chester University; M.S., University of Pittsburgh

John Smith (jsmith5@wcupa.edu) (2017)
B.S., Pennsylvania State University; M.S., West Virginia University

Courses

SMD

SMD 100. Foundations of Sports Medicine. 2 Credits.
An overview of the professions in the discipline of sports medicine. Distance education offering may be available. Typically offered in Fall.
SMD 204. First Aid for Health Professionals. 3 Credits.
LEC (3), LAB (2)
Prepares health professionals to meet emergencies requiring first aid. Includes First Responder training.
Typically offered in Spring & Summer.

SMD 210. Psychosocial Perspectives of Sports/Recreational Injuries. 3 Credits.
Typically offered in Spring.
Pre / Co requisites: SMD 316 requires co-requisite of SMD 310 and SMD 313 and SML 310.
Clinical experience of 200 or more hours with specific behavioral objectives in case study presentations of injuries, illnesses, and/or conditions.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

SMD 212. Pathology & Eval Athletic Injury/Illness I. 3 Credits.
A presentation of the pathology, pharmacology, and management strategies relevant to sports medicine. Emphasis will be on nonorthopaedic conditions commonly encountered in a physically active population.
Pre / Co requisites: SMD 212 requires prerequisites of BIO 269 and SMD 312. Athletic Training Majors only.
Typically offered in Spring.

SMD 261. Surface Anatomy. 3 Credits.
Orientation to major anatomical landmarks and underlying structures.
Pre / Co requisites: SMD 261 requires prerequisites of BIO 259.
Typically offered in Fall & Spring.

SMD 271. First Aid and Athletic Training. 2 Credits.
A course designed to qualify students in First Aid and CPR, and to introduce the principles of athletic injury prevention and management. For non majors only.

SMD 272. Athletic Training Techniques. 3 Credits.
A course designed to develop athletic training skills for beginning athletic training students.
Pre / Co requisites: SMD 272 requires prerequisite of SMD 100 or SMD 204.
Typically offered in Fall & Spring.

SMD 310. Therapeutic Modalities. 3 Credits.
Physical agents used in athletic training are presented with regard to the physics, physiological effects, indications, contraindications, and progression.
Pre / Co requisites: SMD 310 requires prerequisite of SMD 312. Athletic Training Majors only.
Typically offered in Spring & Summer.

SMD 311. Therapeutic Exercise for Athletic Training. 3 Credits.
The principles, objectives, indications, contraindications, and progression of various exercise programs used in the rehabilitation of athletic injuries are presented.
Pre / Co requisites: SMD 311 requires prerequisites of SMD 312. Athletic Training Majors only.
Typically offered in Fall & Summer.

SMD 312. Pathology/Evaluation of Athletic Injury/Illness II. 3 Credits.
A continuation of SMD 212 with emphasis on the pathology of injuries to the extremities commonly seen in athletics and the techniques for their evaluation.
Pre / Co requisites: SMD 312 requires prerequisites of BIO 259, BIO 269. Athletic Training Majors only.
Distance education offering may be available.
Typically offered in Spring & Summer.

SMD 313. Pathology/Evaluation of Athletic Injury/Illness III. 3 Credits.
A continuation of SMD 312 with emphasis on the head, neck, and trunk.
Pre / Co requisites: SMD 313 requires prerequisite of SMD 312.
Typically offered in Fall & Summer.

SMD 315. Sports Injury Management I. 3 Credits.
Clinical experience of 200 or more hours with specific behavioral objectives in athletic equipment selection and fitting, and the presentation of illness, injuries, and conditions.
Pre / Co requisites: SMD 315 requires co-requisites of SMD 311 and SMD 312 and SML 311.
Typically offered in Fall.

SMD 316. Sports Injury Management II. 3 Credits.
Clinical experience of 200 or more hours with specific behavioral objectives in case study presentations of injuries, illnesses, and/or conditions, and hospital emergency department medical care.
Pre / Co requisites: SMD 316 requires co-requisite of SMD 310 and SMD 313 and SML 310.
Typically offered in Spring.

SMD 361. Kinesiology. 3 Credits.
Basic Fundamentals of movement, articulation, and muscular actions; analysis of the related principles of mechanics.
Pre / Co requisites: SMD 361 requires prerequisite of BIO 259 or KIN 241.
Typically offered in Fall.
Cross listed courses EXS 361, SMD 361.

SMD 400. Special Topics in Athletic Training. 3 Credits.
An in-depth study of selected topics as it relates to athletic trainers and their treatment and management of musculoskeletal injuries. Course will examine current topics through the reading and critical analysis of literature related to athletic training using professional journals and practical experiences.
Repeatable for Credit.

SMD 414. History, Organization & Administration of Sports Medicine. 3 Credits.
A presentation of the historical and current perspectives of athletic training, including techniques for organizing and administering athletic training programs.
Pre / Co requisites: SMD 414 requires prerequisite of SMD 315. Athletic Training majors only.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall.

SMD 417. Sports Injury Management III. 3 Credits.
Clinical experience of 200 or more hours with specific behavioral objectives in case study presentations of injuries, illnesses, and/or conditions, plus group discussions of clinical situations.
Pre / Co requisites: SMD 417 requires a prerequisite of SMD 316. Athletic Training majors only.
Typically offered in Fall.

SMD 418. Sports Injury Management IV. 3 Credits.
Clinical experience of 200 or more hours and participation in critical reviews of sports medicine research combined with seminars which afford interaction with various medical and paramedical practitioners.
Pre / Co requisites: SMD 418 requires prerequisites of SMD 417. Athletic Training majors only.
Typically offered in Fall.

SMD 420. Sports Medicine I. 3 Credits.
This course introduces common orthopedic injuries to the lower extremity. Students will learn anatomy, biomechanics, injury signs and symptoms which will allow for the recognition and identification of orthopedic and neurological injuries. The course will also introduce the theoretical and evidence based approach to the rehabilitation of lower extremity injuries.
Pre / Co requisites: SMD 420 requires prerequisites of SMD 261, BIO 259, and BIO 269.
Typically offered in Fall & Spring.

SMD 430. Sports Medicine II. 3 Credits.
This course introduces common orthopedic injuries to the upper extremity, head, neck, spine, thorax and pelvis. Students will learn anatomy, biomechanics, injury signs and symptoms which will allow for the recognition and identification of orthopedic and neurological injuries. The course will also introduce the theoretical and evidence based approach to the rehabilitation of upper extremity, head, neck, spine, thorax and pelvis. Special emphasis is placed on understanding the physiological impact of injury on tissues, recognition of the signs, symptoms, indications, contraindications for the evaluation and rehabilitation of musculoskeletal and neurological injuries in the physically active. This course is not intended to meet educational competencies required for athletic training. Majors only.
Pre / Co requisites: SMD 430 requires prerequisites of SMD 261, BIO 259, and BIO 269.
Distance education offering may be available.
Typically offered in Fall & Spring.

SMD 430. Sports Medicine II. 3 Credits.
This course introduces common orthopedic injuries to the upper extremity, head, neck, spine, thorax and pelvis. Students will learn anatomy, biomechanics, injury signs and symptoms which will allow for the recognition and identification of orthopedic and neurological injuries. The course will also introduce the theoretical and evidence based approach to the rehabilitation of upper extremity, head, neck, spine, thorax and pelvis. Special emphasis is placed on understanding the physiological impact of injury on tissues, recognition of the signs, symptoms, indications, contraindications for the evaluation and rehabilitation of musculoskeletal and neurological injuries in the physically active. This course is not intended to meet educational competencies required for athletic training. Majors only.
Pre / Co requisites: SMD 430 requires prerequisites of SMD 261, BIO 259, and BIO 269.
Distance education offering may be available.
Typically offered in Fall & Spring.
SMD 450. Capstone in Sports Medicine. 3 Credits.
This course is one of the final courses for students in the program. Learners will review, assess and then apply many of the concepts taught during the undergraduate program through the creation of a portfolio and senior capstone project. The purpose of the capstone project is to demonstrate achievement of the program level learning outcomes and engage in self-reflection and self-evaluation. The portfolio will also serve as a tangible artifact that houses acquired knowledge. An investigation of the job market in the field of Sports and Health will take place throughout career focused discussions and students will create a professional resume and cover letter.
Pre / Co requisites: Majors Only.
Typically offered in Spring.

SMD 454. Theories/Practices of Conditioning & Tng. 3 Credits.
Application of principles of physiology, psychology, and kinesiology for the design and use of conditioning programs for various sports.
Pre / Co requisites: SMD 454 requires prerequisites of EXS 380 and SMD 361.
Typically offered in Fall.

SML

SML 310. Therapeutic Modalities Lab. 1 Credit.
Lab experiences in the application of physical agents presented in SMD 310.
Pre / Co requisites: SML 310 requires co-requisite of SMD 310.
Typically offered in Spring & Summer.

SML 311. Therapeutic Exercise Lab. 2 Credits.
Lab experiences in the application of exercises presented in SMD 311.
Pre / Co requisites: SML 311 requires co-requisite of SML 311.
Typically offered in Fall & Summer.

B.S. IN ATHLETIC TRAINING

College of Health Sciences

Curriculum

("Note: As of Spring 2017, this program is no longer accepting new students. Undergraduate students interested in athletic training should consider the B.S. in Health Science: General - Sports Medicine Studies Concentration (p. 302)."

Includes the Commission on Accreditation of Athletic Training Education [CAATE] accredited athletic training education program.

General Education Requirements [http://catalog.wcupa.edu/undergraduate/general-education-requirements]

English Composition requirements 6
Mathematics requirement 3
Public Speaking requirement 3
Science requirements 6
Behavioral & Social Science requirements 6
Humanities requirements 6
Arts requirement 3
Diverse Communities requirement 3
Interdisciplinary requirement 3
Student Electives 9
Writing Emphasis requirements 9

Major Requirements

SMD 100 Foundations of Sports Medicine 2
SMD 204 First Aid for Health Professionals 3
SMD 210 Psychosocial Perspectives of Sports/Recreational Injuries 3
SMD 212 Pathology & Eval Athletic Injury/Illness I 3
SMD 261 Surface Anatomy 3
SMD 272 Athletic Training Techniques 3
SMD 310 Therapeutic Modalities 3
SMD 311 Therapeutic Exercise for Athletic Training 3
SMD 312 Pathology/Evaluation of Athletic Injury/Illness II 3
SMD 313 Pathology/Evaluation of Athletic Injury/Illness III 3
SMD 315 Sports Injury Management I 3
SMD 316 Sports Injury Management II 3
SMD 361 Kinesiology 3
SMD 414 History, Organization & Administration of Sports Medicine 3
SMD 417 Sports Injury Management III 3
SMD 418 Sports Injury Management IV 3
SMD 454 Theories/Practices of Conditioning & Tng. 3
SML 310 Therapeutic Modalities Lab 1
SML 311 Therapeutic Exercise Lab 2

Related/Cognate Requirements

BIO 110 General Biology 3
BIO 259 Human Anatomy and Physiology I 4
BIO 269 Human Anatomy and Physiology II 4
EXS 380 Exercise Physiology 3
MAT 121 Introduction to Statistics I 3
NDT 303 Introductory Principles Human Nutrition 3
SPK 208 Public Speaking 3
CHE 107 General Chemistry for Allied Health Sciences 4
CRL 107 General Chemistry Lab for Allied Health Sciences 1
PHY 100 Elements of Physical Science 3
PSY 100 Introduction to Psychology 3

Other courses in chemistry, physics, mathematics, and biology may be substituted with approval of program director.

Clinical Experience

Clinical experiences are provided in a number of high school, college, and university settings under the supervision of a certified athletic trainer. Due to potential scheduling conflicts, athletic training students may be excluded from playing varsity sports during their four semesters of clinical experience. Students enrolled in SMD 315-SMD 316 and SMD 417-SMD 418 must have current certification in CPR and first aid, be vaccinated with hepatitis B vaccination or sign a vaccine declination, and have professional liability coverage. Clinical experiences may begin prior to the official start of the semester. Students are also responsible for criminal background checks, child abuse history clearance, and TB test if required. Students must supply their own transportation to clinical sites. Students in clinical assignments are required to purchase and wear specified uniforms.

Students must earn a minimum grade of C in the following courses. In order to be recommended for the BOC Certification Exam, students must have a minimum cumulative GPA of 2.5 in the following courses:

BIO 259 Human Anatomy and Physiology I
BIO 269 Human Anatomy and Physiology II
EXS 380 Exercise Physiology
NDT 303 Introductory Principles Human Nutrition
SMD 204 First Aid for Health Professionals
SMD 210 Psychosocial Perspectives of Sports/Recreational Injuries
SMD 261 Surface Anatomy
SMD 272 Athletic Training Techniques
SMD 310 Therapeutic Modalities
SMD 311 Therapeutic Exercise for Athletic Training
SMD 312 Pathology/Evaluation of Athletic Injury/Illness II
SMD 313 Pathology/Evaluation of Athletic Injury/Illness III
SMD 315 Sports Injury Management I
SMD 316 Sports Injury Management II
SMD 361 Kinesiology
SMD 414 History, Organization & Administration of Sports Medicine
SMD 417 Sports Injury Management III
SMD 418 Sports Injury Management IV

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### Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

The following is a suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td><strong>Year One</strong></td>
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<td><strong>Semester One</strong></td>
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<tr>
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<td>BIO 110</td>
<td>General Biology</td>
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<td>SPK 208</td>
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<tr>
<td>BIO 259</td>
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<td>WRT 220</td>
<td>Critical Writing: Special Topics</td>
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<td>WRT 208</td>
<td>Critical Writing: Entering Public Sphere</td>
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<tr>
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<td>SMD 272</td>
<td>Athletic Training Techniques 1,2</td>
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<td>or SMD 261</td>
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<td>BIO 269</td>
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<td>or SMD 272</td>
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<td>SMD 312</td>
<td>Pathology/Evaluation of Athletic Injury/ Illness II 1,2</td>
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<td>CHE 107</td>
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<td>CRL 107</td>
<td>General Chemistry Lab for Allied Health Sciences</td>
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<td>Sports Injury Management I 2</td>
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<td>SMD 417</td>
<td>Sports Injury Management III 2</td>
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<td>Diverse Communities (&quot;J&quot; course)</td>
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<td><strong>Semester Eight</strong></td>
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<tr>
<td><strong>Total Credits</strong></td>
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</tbody>
</table>

1. Prerequisites for Fifth Semester.
2. Must earn C or better in these classes.

### DEPARTMENT OF THEATRE AND DANCE

**College of Arts and Humanities**

119 E.O. Bull Center for the Arts
610-436-3463
Department of Theatre and Dance (http://www.wcupa.edu/theatreDance)
Harvey Rovine (hrovine@wcupa.edu), Chairperson

The Department of Theatre and Dance offers a bachelor of arts program in theatre, as well as minors in theatre and dance, which combines the foundation of a liberal arts education with the creative skills needed by the developing artist.

Students with an academic major or minor in the department are required to meet with a departmental faculty advisor to develop their curricular plans, select courses prior to scheduling, discuss career
options, and to be aware of co-curricular opportunities. Handbooks are provided to entering students for their use as a guide to the development of their academic programs. Students must achieve a scholastic index of at least 2.0 in their major before they will be recommended for graduation. Grades of C- or lower in major subjects must be raised to C or better.

Department Student Activities
University Theatre; University Dance Company; United States Institute for Theatre Technology; The American College Dance Association; Alpha Psi Omega; and the Kennedy Center American College Theater Festival are organizations that involve theatre and dance majors and non-majors in theatre- and dance-related activities. For more information see the "Student Affairs (p. 135)" section of the catalog.

Department Apprenticeships
Although not required, professional apprenticeship experiences are available to qualified majors and minors respectively. Students and their placements are screened by the department to assure mutual satisfaction for all parties involved. For details, students should see the department chairperson.

Programs

Majors in Theatre and Dance
• B.A. in Theatre (p. 476)

Minors in Theatre and Dance
• Theatre Arts (p. 477)
• Dance (p. 477)

Graduate Opportunities
See the graduate catalog for more information on the Theatre and Dance programs. (http://catalog.wcupa.edu/graduate/arts-humanities/theatre-dance)

Policies
• See undergraduate admissions information. (p. 11)
• See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

Faculty
Professor
Harvey Rovine (hrovine@wcupa.edu) (1992)
Chairperson, Theatre and Dance
B.S., Towson University; M.A., University of Central Florida; Ph.D., University of Illinois

Associate Professors
Thomas Haughey (thaughey@wcupa.edu) (2006)
B.S., Elizabethtown College; M.F.A., University of Connecticut
Leonard Kelly (lkelly@wcupa.edu) (2005)
B.A., West Chester University; M.F.A., University of Texas
Elizabeth Staruch (estaruch@wcupa.edu) (2007)
B.A., College of Wooster; M.F.A., University of North Carolina-Greensboro
Gretchen Studlien-Webb (gstudlien-webb@wcupa.edu) (1999)
B.F.A., Ohio State University; M.F.A., Temple University

Maria Urrutia (murrutia@wcupa.edu) (2012)
B.F.A., The University of the Arts; M.F.A., Goddard College; M.Ed., Temple University
Juliet Wunsch (jwunsch@wcupa.edu) (2000)
B.A., Wesleyan University; M.F.A., Carnegie Mellon University

Assistant Professors
John Bellomo (jbellomo@wcupa.edu) (2014)
B.F.A., The University of the Arts; M.F.A., Temple University
Constance Case (ccase@wcupa.edu) (2013)
B.A., Shippensburg University; M.F.A., Wayne State University
Martin Alan Dallago (mdallago@wcupa.edu) (2014)
B.S., Dickinson College; M.F.A., Temple University
Charles Delmarcelle (cdelmarcelle@wcupa.edu) (2016)
B.S.E., Millersville University; M.A., Villanova University; M.F.A., Temple University
Rebecca A. Field (rfield@wcupa.edu) (1998)
B.Mus., West Chester University; M.Mus., D.Mus., Indiana University

Courses

DAN

DAN 130. Movement for Performance. 3 Credits.
The purpose of this course is to improve body intelligence, providing a strong foundation for acting and dance performance. Yoga and Pilate based exercises are incorporated to build strength and flexibility. Laban's system of analyzing movement using space/time/effort is examined in this course along with movement sequencing improvisation, visualization and relaxation techniques. No previous dance or acting training necessary. Typically offered in Spring.

DAN 132. Modern Dance I. 3 Credits.
This course is an introduction to modern dance as a 20th century art form which makes use of the integration of "mind" and "body" into an expressive and communicative whole. The work in this class has many layers, including ongoing development of physical skills as well as explorations into improvisation, choreography and the historical contexts that have shaped modern dance.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Fall & Spring.

DAN 133. Jazz Dance I. 3 Credits.
An introduction to the styles, technique, and rhythmic structures of jazz dance with emphasis on increasing movement capabilities and personal expression.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Fall & Spring.

DAN 134. Beginner's Ballet. 3 Credits.
This course is designed to teach fundamental ballet technique and vocabulary at the beginning level. The emphasis will be on using anatomically sound principles to promote efficient use of the body and develop kinesthetic awareness. The course also includes an over view of the history of ballet from its origins until present day.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Fall & Spring.

DAN 135. Tap Dancing I. 3 Credits.
The primary purpose of this course is to introduce the fundamentals of tap dance technique, form and function. Emphasis will be given to basic steps, building combinations, musicality, performance of movement, and understanding the historical background of tap dance as an art form.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Fall.
DAN 136. Introduction to Ballroom Dance. 3 Credits.
The purpose of this course is to teach students the basic steps for Ballroom Dance, both standard and Latin. Emphasis will be placed on lead and follow techniques, proper footwork and positions, and how to recognize and dance to different types of music. This course will enable the student to participate in social occasions requiring ballroom dancing skills, such as weddings, formal social and business parties, as well as informal occasions requiring the display of social graces.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Fall & Summer.

DAN 137. African Dance. 3 Credits.
Through readings, discussion, videos, movement, essays, and other intensive projects, this course will explore dance and music from West Africa and the African Diaspora.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Spring.

DAN 138. Hip Hop Dance I. 3 Credits.
The primary purpose of this course is to introduce the fundamentals of hip hop dance technique, form and function. Emphasis will be given to basic steps; building combinations, musicality, and understanding the cultural influences through a theoretical and historical investigation of hip hop dance styles as an art form.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Spring.

DAN 150. Introduction to the Art of Dance. 3 Credits.
The purpose of this course is to provide the student with an introduction to dance as an art form as well as relate information regarding various aspects of dance. Topics include a brief history of dance, dance styles, dance in education, and dance production.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Fall & Summer.

DAN 199. Transfer Credit. 1-10 Credits.
Transfer Credit.
Typically offered in Fall & Spring.
Repeatable for Credit.

DAN 205. Improvisation. 2 Credits.
This course examines the nature of improvisation in terms of movement and explores the process of discovering, creating, and performing movement spontaneously.
Pre / Co requisites: DAN 205 requires a prerequisite of DAN 130 or DAN 132 or DAN 232 or DAN 332.
Typically offered in Spring.

DAN 210. The Dancer’s Body. 3 Credits.
An exploration of the body systems, along with injury prevention and care, especially as it applies to the dancer. This course incorporates the physical practice of yoga, Pilates and other mind and body techniques as they apply to the preparation for the physical demands of dance technique.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Fall & Spring.

DAN 232. Modern Dance II. 2 Credits.
Modern Dance II is a continuation and expansion of Modern Dance I. It will focus on Modern Dance as a performing art with emphasis placed on longer combinations and more complex problem-solving themes.
Typically offered in Fall & Spring.

DAN 233. Jazz Dance II. 2 Credits.
This course is a continuing development of jazz dance form and function (introduced in Jazz I) with emphasis on proper jazz technique, introduction of intermediate level rhythms and combinations, expanding movement capabilities, and exploring individual expression and artistry.
Typically offered in Fall & Spring.

DAN 234. Ballet II. 2 Credits.
Ballet II is an intermediate level course designed to expand on the ballet fundamentals and basic vocabulary learned in Ballet I.
Typically offered in Fall & Spring.

DAN 235. Tap Dancing II. 2 Credits.
The primary focus of this course is to introduce the fundamentals of tap dance at an intermediate level. Emphasis will be given to focus and presentation of steps and combinations; musicality, and individual expression through movement.
Typically offered in Fall.

DAN 236. Ballroom Dance II. 3 Credits.
The purpose of this course is to teach students intermediate steps for Ballroom Dance, both Standard and Latin. Emphasis will be placed on lead and follow techniques, proper footwork and positions. This course will enable the student to improve their ballroom dancing skills, building on the material learned in the introductory course.
Typically offered in Fall.

DAN 300. Controversial Bodies: Visions of Beauty. 3 Credits.
Controversial Bodies: Visions of Beauty will foster a discussion of bodily beauty across the multiples fields of theater, dance, history and sociology. In creating a course that holds these two physical markers, the body and beauty, at its core, a space can be filled within the university’s curriculum where central to the course is the notion that the body is a social and cultural entity and that, markers of bodily beauty are constructed differently across various cultures and time periods. In particular, Controversial Bodies: Visions of Beauty, examines how figures in the performing arts have pulled the make-up of beauty in opposite directions, reinforcing or subverting the norms of what is socially and politically acceptable, playing with nudity, androgyny and ugliness, and rewriting the markers of beauty in terms of race, gender, age and bodily type.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Fall & Spring.

DAN 315. Dance Pedagogy. 3 Credits.
Basic course offering methods and materials for teaching dance technique.

DAN 332. Modern Dance III. 2 Credits.
Modern Dance III is a continuation and expansion on Modern Dance I. This course will focus on exploring various teaching techniques and styles that have been developed by prominent figures in Modern Dance.

DAN 333. Jazz III. 2 Credits.
Continuing development of jazz dance technique with emphasis on varying styles of jazz techniques, advanced rhythms and combination, expanding movement capabilities, and exploring individual expression and artistry.

DAN 334. Ballet III. 2 Credits.
Ballet III is an advanced level ballet course, expanding the student’s repertoire and proficiency of ballet steps, including advanced steps and the basics of ballet choreography. Substantial previous ballet training is recommended.

DAN 335. Advanced Tap. 2 Credits.
This course is a continuing development of tap dance technique (introduced in TAP I and TAP 2) with emphasis on proper tap technique, more advanced rhythms and combinations, musicality, improvisational skills, individual expression and artistry.

DAN 344. History of Dance. 3 Credits.
The purpose of this course is to provide the student with a thorough background of dance as a fundamental form of human expression. Topics shall include the historical roots and recent status of theatrical dance forms, dance education, and recent trends. Evaluation of dance as an art form in relation to man and his society. Physiological, sociological, and psychological implications; dance forms and types. Film and other materials focus on parallel developments in related arts.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall.

DAN 346. Repertory Development. 2 Credits.
This course is designed to give the students experience learning new and/or existing choreography in a professional rehearsal setting. Admission to the course is by audition or permission of the instructor. Auditions take place the first week of fall semester; email the instructor for audition details.
Typically offered in Fall.
Repeatable for Credit.

DAN 380. Cuban Rumba: Cultural Identity. 3 Credits.
This course is a theory and practice course, designed for students interested in exploring the layered social and cultural history of Cuba, through the lens of its national dance, the rumba. Cuban rumba is made up of three different dances: guaguancó, yambú, and columbia; which this course will focus on embodying, while simultaneously examining its history and place within society. Inside the theoretical conversations, the focus will shift and build from its African and Spanish lineage to social repression on the island, architecture as a container for community and performance, gender agency, and cultural identity appropriation.
Gen Ed Attribute: Foreign Language Culture Cluster, Spanish Culture Cluster.
DAN 399. Directed Studies in Dance. 1-3 Credits.
Research, creative projects, reports, readings in dance. Students must submit applications to advisors one semester in advance of registration. Repeatable for Credit.

DAN 441. Dance Composition & Choreograph Techniques. 3 Credits.
The art of dance composition. Basic elements of space, rhythms, and motion dynamics. Students design original movement, progressing from simple to complex solo and group forms.
Pre / Co requisites: DAN 441 requires a prerequisite of one of the following courses: DAN 232, DAN 233, DAN 234, DAN 332, DAN 333, or DAN 334.
Typically offered in Fall.

DAN 442. Musical Theatre Dance and Choreography. 3 Credits.
This course covers the appropriate methods, materials, and skills needed for preparing and staging dance in a musical production. Special emphasis will be given to the choreographic process as well as the role of the choreographer.
Pre / Co requisites: DAN 442 requires a prerequisite of one of the following courses: DAN 232, DAN 233, DAN 234, DAN 332, DAN 333, or DAN 334.
Typically offered in Spring.

DAN 446. Repertory Performance. 2 Credits.
The purpose of this course shall be the study of various elements of performance and dance production. All are integrated into a final performance given in the spring semester. Admittance is by audition during the fall semester.
Typically offered in Spring. Repeatable for Credit.

DAN 499. Dance Seminar. 3 Credits.
Intensive examination of a selected area of study in dance. Topics will be announced in advance.
Repeatable for Credit.

THA

THA 100. Theatre Survey. 1 Credit.
This class is a survey course designed to introduce students to the full range of the Theatre process including directing, performance, design, dramaturgy and management.
Typically offered in Fall.

THA 101. Introduction to Theatre. 3 Credits.
A survey of theatre as a humanity by exploring how theatre reflects and comments on its time and place. This course teaches the student what to listen for, and what to look for, when attending a live theatre performance.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Fall, Spring & Summer.

THA 103. Acting I. 3 Credits.
A course designed to introduce the basic skills and techniques needed by the developing actor to create successfully a character for performance on stage.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Fall & Spring.

THA 104. Stagecraft. 3 Credits.
To demonstrate though written work, oral discussion, and laboratory participation an understanding of technology as the theatre artist's instrument focusing on the basic elements of technical theatre, including the physical space and the scene shop.
Typically offered in Fall & Spring.

THA 113. Script Analysis. 3 Credits.
Introduces and applies methods for analyzing scripts intended for theatrical performance. Additionally explores an in-depth methodology of reading, analyzing, and understanding a play script intended for production. Investigate techniques used to determine how to read a play for its structure, scrutinizing the playwright's methods of creating theatre through plot, character and imagery, and understanding how scripts "mean" to the theater practitioner as distinct from other forms of literature.
Typically offered in Spring.

THA 116. Costume Construction. 3 Credits.
Theory and practice in theatrical costuming including organization, construction, drafting, dyeing, painting, and wardrobe management. Laboratory required.
Typically offered in Fall & Spring.

THA 118. Voice for the Performer. 3 Credits.
The goal of vocal training is the understanding of the individual voice. Voice training seeks to uncover the potential for a naturally produced vocal sound with all its capabilities and limitations.
Typically offered in Fall.

THA 131. Intro to Musical Theatre. 3 Credits.
A survey of musical theatre I production with an emphasis on the artists who create the shows.

THA 181. Voice Class I. 1 Credit.
Class instruction in singing skills for nonmusic majors. Previous voice study not required.
Typically offered in Fall.

THA 182. Voice Class II. 1 Credit.
Class instruction in singing skills for non-music majors.
Typically offered in Spring.

THA 200. Theatre Practicum. 1-3 Credits.
This course is designed to provide theatre arts majors and minors the opportunities to participate in and learn skills directly related to specific areas of theatrical production.
Pre / Co requisites: THA 200 requires prerequisite of THA 104 or THA 116.
Typically offered in Fall & Spring. Repeatable for Credit.

THA 203. Acting II. 3 Credits.
Continued focus on the basic skills and techniques needed to create a role on the stage. Emphasis on character development.
Pre / Co requisites: THA 203 requires prerequisite of THA 103.
Typically offered in Fall & Spring.

THA 204. Scene Painting. 3 Credits.
Studio course designed to introduce students to basic skills and techniques of scenic painting.
Pre / Co requisites: THA 204 requires prerequisites of THA 104 and THA 113.
Typically offered in Spring.

THA 206. Graphics for the Stage. 3 Credits.
An exploration of graphic solutions used in the various stages of planning and executing a setting for the theatre. Scenic design, stage technician drafting techniques, and perspective techniques used exclusively in the theatre.
Pre / Co requisites: THA 206 requires prerequisite of THA 104.
Typically offered in Fall.

THA 208. Scene Construction and Rigging. 3 Credits.
This course develops a familiarity with scenic construction techniques and materials. Practical solutions to technical problems are discussed. Other topics include theatre safety, technical drawing, and budgeting. This course is a requirement for technical majors but an elective for all other theatre majors.
Pre / Co requisites: THA 208 requires prerequisite of THA 104.
Typically offered in Spring.

THA 210. Stage Makeup I. 3 Credits.
Theory and practice in design and application of various types of makeup for the stage.
Typically offered in Fall & Spring.

THA 212. Creative Drama. 3 Credits.
Theory and practice in creative techniques of expression and dramatic forms to be used as a teaching and recreational device for children and adults.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Spring.

THA 213. Script Analysis II. 3 Credits.
To introduce students to the unique problems of interpreting dramatic texts from the classical periods of theatre history for contemporary stage production.
Typically offered in Spring.

THA 214. Stage Properties. 3 Credits.
Explores the research, design, craft, skills, and solutions involved in providing theatrical properties, defined generally as the smaller objects that complete the costume and visual setting for a given show production. Students will learn the basic vocabulary for communication and collaboration with all production staff during the production process. Students will learn how to create source and scrapbook files, property plots, maintenance and security during and after, organizing and storage of stage properties.
Pre / Co requisites: THA 214 requires prerequisites of THA 104 and THA 116.
Typically offered in Fall.
THA 216. Fundamentals of Design. 3 Credits.
The exploration of multiple elements of production design to create a foundation of communication for future designers, technicians, actors, directors and stage managers. Students will learn how to manipulate design principles to support and enhance theatrical productions.
Typically offered in Fall & Spring.

THA 218. Virtual Production Techniques. 3 Credits.
This course explores several software programs used to generate and communicate elements of production design.
Typically offered in Fall.

THA 221. Musical Theatre Fundamentals. 1 Credit.
Beginning study of musical notation to provide skills to read and interpret musical theatre vocal lines. Apply basic piano skills necessary to "hear" the musical notation and transfer it to the voice.
Pre / Co requisites: THA 221 requires prerequisite VOI 181.
Typically offered in Fall.

THA 250. Race and Gender in American Theatre. 3 Credits.
This course will focus on how some traditionally marginalized groups have been examined and portrayed in American theatre.
Gen Ed Attribute: Diversity Requirement.

THA 300. Career Preparation. 2 Credits.
Designed to educate second semester juniors or first semester seniors on career path options in the field immediately following college.
Typically offered in Fall.

THA 301. Directing I. 3 Credits.
An introduction of the theories and techniques of stage direction with emphasis on rehearsal planning, play selection, script analysis and promptbooks, casting and blocking.
Pre / Co requisites: THA 301 requires prerequisites of THA 103, THA 113 and THA 216.
Typically offered in Fall & Spring.

THA 303. Acting Shakespeare. 3 Credits.
A course for the advanced student actor focusing on techniques essential for developing roles from classical texts with a particular emphasis on the plays of Shakespeare. Characterization, text analysis and scansion will all be covered. It is recommended that the student take THA 118 and DAN 130 prior to enrollment in this course.
Pre / Co requisites: THA 303 requires prerequisite of THA 203.
Consent: Permission of the Department required to add.
Typically offered in Spring.

THA 304. Scene Design. 3 Credits.
This course identifies and explores the processes involved in creating a scenic space that is both practical and expressive. Skills in set design, representational painting, scenic drafting, and script interpretation are developed.
Pre / Co requisites: THA 304 requires prerequisites of THA 113 or permission of instructor.
Typically offered in Spring.

THA 305. Lighting Design for the Stage. 3 Credits.
Exploration of lighting as a means of artistic communication in the theatre. The course covers the aesthetics, tools, technology, and the graphic methods used to light a play. Special topics in lighting for other performing arts will be discussed.
Pre / Co requisites: THA 305 requires prerequisites of THA 113 or permission of instructor.

THA 306. History of Theatre/ Drama I. 3 Credits.
Examination of plays, players and methods of theatrical production from English Renaissance to 1875.
Pre / Co requisites: THA 306 requires prerequisite of THA 113 or THA 213.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall.

THA 307. History of Theatre/Drama II. 3 Credits.
Examination of plays, players, and methods of theatrical production from Modern Theatre 1875 to 1900 through Contemporary Theatre 1975-Present.
Pre / Co requisites: THA 307 requires prerequisite of THA 113 or THA 213.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Spring.

THA 312. Children's Theatre. 3 Credits.
Production of children's theatre for stage and television. Course elements will include script analysis and production values, publicity, and tour preparation. Students enrolled in the course will create a complete production.
Typically offered in Spring.

THA 313. Playwriting Workshop I. 3 Credits.
Writing the play: possibilities and limitations of the stage. Attention to sets and costuming where relevant. Characterization by action and dialogue. Problems of establishing motivation. The play's totality in theme, character, and action. Informal readings of student work.
Typically offered in Fall.

THA 315. Sound Design. 3 Credits.
An in-depth study of sound and how it relates to theatrical production.
Typically offered in Fall.

THA 316. Costume History/Design. 3 Credits.
The history of European and American costume and its application to the period production. The process of designing costumes in various styles will be explored. Students are required to design costumes for periods studied.
Pre / Co requisites: THA 316 requires prerequisites of THA 113 or permission of instructor.
Distance education offering may be available.
Typically offered in Fall.

THA 318. Dialects for the Performer. 3 Credits.
Dialects and regionalisms for the stage.
Pre / Co requisites: THA 318 prerequisite requires THA 118.
Typically offered in Spring.

THA 319. Musical Theatre Repertoire. 3 Credits.
This course will acquaint students with styles of composition and vocal presentation through various genres of musical theatre.
Pre / Co requisites: THA 319 requires prerequisite THA 103, THA 203, VOI 181, THA 221 and DAN 130.
Typically offered in Fall.

THA 320. Staging Architecture and the Decorative Arts. 3 Credits.
This course aims to enhance the design students knowledge of architectural and decorative arts time periods culminating in their ability to adapt and modify them for the various types of historically known theatre staging. Focus is on the European, early American worlds 1500-1900's, the architecture, decorative arts, and the economic and social conditions out of which they sprang.
Pre / Co requisites: THA 320 requires prerequisite of THA 113 or permission of instructor.
Typically offered in Spring.

THA 322. Physical Traditions in Performance. 3 Credits.
This course examines multicultural and historical non-storytelling traditions of performance that stem from actor-driven creation. Throughout theatrical history significant innovations and practices grew from creative work established not by playwrights and directors, but rather from actors themselves. This is non-test driven work relying on improvisational characterization within the structure of a historical tradition. This class studies these traditions in order to empower the actor as a part of the creative process and generate a sizeable skill set for use in all theatrical settings.
Pre / Co requisites: THA 322 requires prerequisite DAN 130, THA 118, THA 203.
Typically offered in Spring.

THA 325. Scene Into Song. 3 Credits.
This course is designed to develop within the student actor a technique for approaching a total performance in musical theatre, integrating the spoken word with song toward a seamless presentation alongside a partner.
Pre / Co requisites: THA 325 requires prerequisite: THA 103, THA 203 and THA 319.
Typically offered in Spring.

THA 342. History of Musical Theatre. 3 Credits.
In this course students will study the historical background of the true American art form, Musical Theatre. There will be an emphasis placed on the development of the genre throughout its time. In addition to studying the history of the genre's development, this course also studies the influential shows, artists and music that have provided major contributions to the growth of the art form.
Typically offered in Spring.
THA 300. Profession Apprenticeship. 3-15 Credits.
This course provides a structured and supervised work experience in theatre. Students must submit an application to the department chairperson for permission.
Consent: Permission of the Department required to add. Repeatable for Credit.

THA 400. Professional Apprenticeship. 3-15 Credits.
Under the mentorship of a faculty professional, the class will work as an ensemble that takes responsibility for a project in theatre. Students must apply to the department chairperson for permission.
Consent: Permission of the Department required to add. Repeatable for Credit.

THA 419. Music Theatre Repertoire. 3 Credits.
Research, preparation and performance of a variety of music theatre genres.
Typically offered in Spring.

THA 499. Theatre Seminar. 3 Credits.
Intensive examination of a selected area of study in theatre. Topics will be announced in advance.
Repeatable for Credit.

B.A. IN THEATRE

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

English Composition requirements 6
Mathematics requirement 3
Public Speaking requirement 3
Science requirements 6
Behavioral & Social Science requirements 6
Humanities requirements 6
Arts requirement 3
Diverse Communities requirement 3
Interdisciplinary requirement 3
Student Electives 9
Writing Emphasis requirements 9

Language and Culture Requirement
Demonstrating language proficiency through the intermediate level (102) or demonstrating language proficiency through the elementary II (102) level of a language and further acquiring a cultural foundation. 3-15

Major Requirements
DAN 130 Movement for Performance 3
THA 100 Theatre Survey 1
THA 103 Acting I 3
THA 104 Stagecraft 3
THA 113 Script Analysis 3
THA 116 Costume Construction 3
THA 118 Voice for the Performer 3
THA 216 Fundamentals of Design 3
THA 300 Career Preparation 2
THA 301 Directing I 3
THA 306 History of Theatre/ Drama I 3
THA 307 History of Theatre/Drama II 3
Select an advanced skill choice (300-level or above) 3
THA 200 Theatre Practicum (6 semester hours total of this one-credit course in the following areas: costume, lighting, scenery, leadership I, leadership II, capstone project) 1-3

Elective Concentration Requirements
Students who have an interest in a specific area of theatre may choose to follow a prescribed course of study, in addition to the requirements outlined above. See concentration requirements below

Total Minimum Credits Required 120

Elective Concentrations

Performance
THA 203 Acting II 3
THA 303 Acting Shakespeare 3
THA 318 Dialects for the Performer 3
THA 323 Physical Traditions in Performance 3
THA 350 Audition Techniques 3

THA 350 Audition Techniques. 3 Credits.
Auditioning is an integral part of performance and musical theatre course of study. As a professional, semiprofessional, and amateur one must audition to participate onstage. This course will move beyond foundation acting courses and translate onstage/onscreen work into an auditioning environment. Guest industry professionals, audition simulations, and critiques from the instructor will build and strengthen an audition portfolio that is carefully and uniquely crafted to each student’s individual needs, strengths and type. Upon completing this course a performer will have multiple tools and a comprehensive understanding of this vital component of professional theatrical practice.
Pre / Co requisites: THA 350 requires prerequisite THA 203.
Typically offered in Fall.

THA 399. Directed Studies in Theatre. 1-6 Credits.
Research, creative projects, reports, and readings in theatre. Students must apply to advisers one semester in advance of registration.
Consent: Permission of the Department required to add. Repeatable for Credit.

THA 401. Directing II. 3 Credits.
Play direction as a creative aspect of stage production with emphasis on exploration of concept, techniques of rehearsing a play and working with actors, and the role and function of the stage manager.
Pre / Co requisites: THA 401 requires prerequisite of THA 301.
Typically offered in Spring.

THA 403. Advanced Theatre Practicum. 3 Credits.
A production seminar for advanced arts students that will culminate in a public performance. Under the mentorship of a faculty professional, the class will work as an ensemble that takes the production process form the determinants of a production’s performance potential to its final public presentation.
Consent: Permission of the Department required to add. Repeatable for Credit.

THA 404. CAD for the Stage. 3 Credits.
To develop the student’s ability in utilizing the AutoCAD Release 14 environment to draft and plot scenic designs and technical drawings for the theatre.
Pre / Co requisites: THA 404 requires prerequisite of THA 218 or permission of instructor.
Typically offered in Spring.

THA 406. Advanced Scene Study. 3 Credits.
A special topics class for the advanced student actor with study and scene work in a variety of period, modern, and contemporary styles. Students will focus on the physical, intellectual, and emotional demands inherent in the text as they move from textual analysis to performance.
Pre / Co requisites: THA 406 requires prerequisite THA 303, THA 118 and DAN 130.
Typically offered in Fall.

THA 410. Behind the Mask: Revelations of Italian Culture Through Renaissance Theatre Practices. 3 Credits.
Students will travel to Italy to study Italian Renaissance Theatre and to perform in the very streets and city squares where Italian Renaissance actors performed 500 years ago. In doing so, students will gain a better understanding of Italian culture. Classes will be taught in Commedia dell’Arte, Italian Puppetry, Ancient Greek Theatre, Stage Combat, Mask Making, and Puppet Construction. Several supplemental courses may be taught in Archery, Italian Language, Physical Fitness for the Physical Theatre, Tarantella (Italian Folk Dance) and Italian Cooking.
Consent: Permission of the Department required to add.
Gen Ed Attribute: Foreign Language Culture Cluster, Italy (Italian) Culture Cluster.
Distance education offering may be available.
Typically offered in Summer.

THA 414. Stage Management. 3 Credits.
Duties and responsibilities of the theatrical stage manager throughout the production process.
Pre / Co requisites: THA 414 requires prerequisite THA 104, THA 116, and THA 216 or permission of instructor.
MINOR IN DANCE

Advanced Scene Study
Select a dramatic LIT course
Total Credits 21

Musical Theatre
Select 6 semester hours of technique dance choices
THA 221 Musical Theatre Fundamentals
THA 319 Musical Theatre Repertoire
THA 342 History of Musical Theatre
VOI 181 Class Voice for Non-Music Majors
VOI 182 Class Voice for Non-Music Majors
Select 3 one-semester hour private voice lessons
Total Credits 21

Design, Technology, Management
THA 206 Graphics for the Stage
THA 218 Virtual Production Techniques
THA 320 Staging Architecture and the Decorative Arts
THA 414 Stage Management (Or another THA design choice)
Select 9 semester hours of area focus:
Select one 300-level THA design choice
Select two THA special topics courses
Total Credits 21

Sample Course Plan
To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/DegreeProgressReport.

MINOR IN DANCE
College of Arts and Humanities
To fulfill this program of study, all dance minor students are required to take 19 credits in the dance curriculum. Students should follow requirements as listed under core, technique, and performance courses. Further requirements include the following:

1. Involvement in the performance area for a minimum of two years which can be accomplished for credit as a dancer, choreographer, officer, or production assistant
2. Serving as a teaching assistant in a Level I technique class with assignment from the dance coordinator
3. Recording all course work in a portfolio that will be presented to the dance coordinator at the conclusion of the course of study
Auditions are not required for admittance into the program; however, each applicant has the responsibility of meeting with the dance coordinator each semester before registration begins.

Core and Performance Courses
DAN 344 History of Dance
Electives
Select two of the following:
DAN 210 The Dancer’s Body
DAN 315 Dance Pedagogy
DAN 441 Dance Composition & Choregraph Techniques
DAN 442 Musical Theatre Dance and Choreography
Technique and Performance Courses
Select 10 credits of the following:
DAN 132 Modern Dance I
DAN 133 Jazz Dance I
DAN 134 Beginner’s Ballet

DEPARTMENT OF UNIVERSITY LIBRARIES
School of Interdisciplinary and Graduate Studies
Overview
Francis Harvey Green Library
25 West Rosedale Avenue
610-436-2747
Presser Music Library
121 Swope Music Building
The Department of University Libraries is comprised of faculty who have specific and specialized administrative, service, and instructional assignments in the University Libraries. These assignments include acquisitions; cataloging and metadata; archives, rare books, and manuscript librarianship; collection development and management; digital collections; e-learning and outreach; electronic resources; government documents and maps; information literacy instruction; instructional and media librarianship; music librarianship; reference; serials; and other work requiring professional qualifications as a librarian.

Faculty

Professors
Walter L. Cressler (wcressler@wcupa.edu) (2001)
Chairperson, University Libraries
B.A., Dartmouth College; M.S., Drexel University; M.Ed., Widener University; Ph.D., University of Pennsylvania
Christina W. McCawley (cmccawley@wcupa.edu) (1971)
B.A., Ohio Wesleyan University; M.S.L.S., Catholic University of America; Ph.D., Drexel University

Associate Professors
Patricia Lenkowski (plenkowski@wcupa.edu) (1995)
B.A., Glassboro State College; M.S., Drexel University; M.Ed., Widener University
Rachel M. McMullin (rmcmullin@wcupa.edu) (2008)
B.A., University of Iowa; M.A., Ph.D., University of Wisconsin-Madison; M.S.I.S., University at Albany, State University of New York
Jean Piper-Burton (jburton@wcupa.edu) (1992)
B.S. Valley City State University; M.L.S. Vanderbilt University; M.A. Widener University

Assistant Professors
Clayton Garthwait (cgarthwait@wcupa.edu) (2004)
B.A., University of Delaware; M.S., Drexel University
Patricia Newland (pnewland@wcupa.edu) (2004)
B.A., University of Maryland; M.S.L.S., Clarion University
Thomas J. Sestrick (tsestrick@wcupa.edu) (2013)
B.A., Goddard College; B.M., Nazareth College; M.A., Indiana University; M.L.S., SUNY University at Buffalo
Danielle Skaggs (dskaggs@wcupa.edu) (2013)
B.S., University of California at Davis; M.S., University of Texas; M.S., Bloomsburg University

DEPARTMENT OF WOMEN'S AND GENDER STUDIES

Overview
734 Wayne Hall
610-436-2464
Women's and Gender Studies (http://www.wcupa.edu/womensstudies)
Simon Ruchti (eruchti@wcupa.edu), Chairperson

The Women's and Gender Studies department consists of an interrelated group of courses offered in a wide variety of academic disciplines. The department operates under the supervision of the Women's and Gender Studies Steering Committee. This department is envisaged both as an enrichment to liberal education and as a pre-professional field. The social transformation that is taking place in society and in intellectual life is making study in this area an asset in many arenas.

The aim of the department is to integrate the perception and experience of women into the curriculum and to encourage inquiry into previously neglected areas, such as women's history, women's literature and art, psychology of women, and women's position in society.

The Women's and Gender Studies Department provides an excellent learning environment that places an analysis of structural inequality, with a primary focus on gender inequality, at the center of the curriculum. It prepares students for careers, graduate study, and life choices through an interdisciplinary curriculum that establishes feminist values in its pedagogy and content. Women's and Gender Studies faculty are productive teacher-scholars who provide leadership and scholarship for integrating gender, race, ethnicity, class, sexuality, age, nationality, and disability issues into the curriculum.

Programs

Majors in Women's and Gender Studies
• B.A. in Women's and Gender Studies (p. 480)

Minors in Women's and Gender Studies
• Women's and Gender Studies (p. 481)

Graduate Opportunities
See the graduate catalog for more information on the Women's and Gender Studies programs. (http://catalog.wcupa.edu/graduate/arts-humanities/womens-gender-studies)

Policies
• See undergraduate admissions information. (p. 11)
• See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

Faculty

Professors
Kevin B. Aptowicz (kaptowicz@wcupa.edu) (2005)
Chairperson, Physics and Engineering
B.S., Columbia University; M.S., University of Colorado; Ph.D., Yale University
Eleanor Brown (ebrown@wcupa.edu) (2005)
B.A., Haverford College; Ph.D., University of Delaware
Virginia M. Da Costa (vdacosta@wcupa.edu) (1998)
B.A., State University of New York at Albany; M.A., California State University at Long Beach; Ph.D., University of California, Santa Barbara
Joy Fritschle (jfritschle@wcupa.edu) (2007)
B.A., Humboldt State University; M.S., University of Memphis; Ph.D., University of Wisconsin-Madison
Susan Gans (sgans@wcupa.edu) (1997)
B.A., New York University; M.A., Ph.D., University of Chicago
Karin E. Gedge (kgedge@wcupa.edu) (1997)
B.A., Lake Forest College; M.A., State University of New York at Brockport; Ph.D., Yale University
Lauri Hyers (lhyers@wcupa.edu) (2004)
B.A., Ph.D., Pennsylvania State University
Courses

WOS

WOS 100. Body Politics: Gender, Culture, and Representation. 3 Credits.
This course examines the body as a contested site of both pleasure and oppression. Considerable focus will be placed on the impact of culture on our understandings of the body, including ideas about gender, race, and sexuality. Students of all genders will be encouraged to explore how their own body image has been shaped by social norms that are simultaneously accepted and resisted. This course thereby provides an opportunity to question a variety of norms surrounding the body, including ideas about beauty, size, shape and ability.
Gen Ed Attribute: Diversity Requirement.
Typically offered in Fall.

WOS 225. Intro to Women's and Gender Studies. 3 Credits.
An interdisciplinary course designed to enable students to analyze the lived experience of women, to evaluate the impact of gender, to question the implications of changing cultural patterns, and to sample first-hand efforts for social change. Satisfies interdisciplinary requirement. Offered every semester.
Typically offered in Fall, Spring & Summer.

WOS 250. Women's Self Representation. 3 Credits.
A course examination of the body as a contested site of both pleasure and oppression.
Typically offered in Fall, Spring & Summer.

WOS 276. Sexual Identity. 3 Credits.
Interdisciplinary introduction to meanings attached to human sexuality, exploring intersections between theories of sexual identity and theories of gender, class, race, ethnicity, age, and nationality.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Spring.
WOS 305. Intellectual Roots of Western Feminism. 3 Credits.
The course examines the major issues and themes that have historically been included in
feminist theorizing about women’s situation and experiences, including: ethical foundations,
the origins of patriarchy, feminist epistemology, education, body issues, issues of difference,
religion, civil rights, and psychological development. Chronologically, the course covers from
the enlightenment (Mary Wollstonecraft’s A Vindication of the Rights of Women) through
Simone de Beauvoir’s The Second Sex.
Gen Ed Attribute: Diversity Requirement.
Typically offered in Fall.

WOS 306. Transnational Feminisms. 3 Credits.
This course explores current issues and debates relating to the gendered effects of
globalization and women’s political responses to it and dynamically re-conceptualizes the
relationship between women and nation; between gender and globalization; and between
feminist theory and practice.
Typically offered in Fall.

WOS 310. Women and Activism. 3 Credits.
Although often misrepresented or ignored, women were and continue to be active in a wide
range of social justice movements. This course focuses specifically upon women activists in the
United States and their resistance to structural inequalities based upon gender. In addition
to social justice movements focused on sexism, this course uses intersectional theory to
recognize the feminist value of women who work against racial, economic, sexual, and other
oppressions.
Pre / Co requisites: WOS 310 requires a prerequisite of WOS 225 or WOS 250.
Gen Ed Attribute: Diversity Requirement, Writing Emphasis.
Distance education offering may be available.
Typically offered in Fall.

WOS 315. Women of the Global South. 3 Credits.
This course will examine the nature of women’s lives in the global South, focusing on topics
such as family, education, health, development policies, and political change. Geographic
areas studied include Africa, Asia, Latin America, and the Middle East.
Gen Ed Attribute: Diversity Requirement, Interdisciplinary Requirement.
Typically offered in Fall.

WOS 320. Independent Study. 3 Credits.
Independent research and study for upper-division students. Topic to be approved by
supervising faculty member.
Pre / Co requisites: WOS 320 requires prerequisite of WOS 225.
Typically offered in Summer.
Repeatable for Credit.

WOS 325. Special Topics. 3 Credits.
Selected (and changing) topics, e.g., Ethnic Women; Women and Work; Love and Sexuality.
Offered as projected enrollments warrant.
Typically offered in Fall, Spring & Summer.
Repeatable for Credit.

WOS 326. Women and Witchcraft in Africa. 3 Credits.
This course utilizes witchcraft belief and accusation as a lens through which to examine the
oppression of women in sub-Saharan Africa. It examines historical and contemporary beliefs
and manifestations of witchcraft, and analyzes the centrality of women (and children) as
victims. It also examines the impact of witchcraft accusation on women’s social and economic
development.
Typically offered in Spring.

WOS 329. Gender and Peace. 3 Credits.
An examination of the ways in which social constructions of gender intersect with perceptions
and the experience of war.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Spring.

WOS 335. Gender, Race and Science. 3 Credits.
A course on the role of gender and race in the formation of science.
Gen Ed Attribute: Diversity Requirement, Interdisciplinary Requirement.
Typically offered in Fall & Spring.

WOS 350. Lesbian Studies. 3 Credits.
This course offers an interdisciplinary introduction to lesbian studies that focuses on the
historical and contemporary diversity of lesbian genders and sexualities, especially as shaped
by race, class, culture, and nation. Special attention will be placed upon lesbian activism as
well as contestations within lesbian communities about racism, classism, and cissexism.
Gen Ed Attribute: Interdisciplinary Requirement.
Distance education offering may be available.
Typically offered in Fall & Spring.

WOS 366. Gender, Labor and Globalization. 3 Credits.
Sociological and feminist analysis of global labor issues such as immigration, citizenship,
motherhood, childcare, emotional labor, guest workers, commodification, and exploitation.
Pre / Co requisites: WOS 366 requires a prerequisite of SOC 200 or permission of instructor.
Typically offered in Fall.
Cross listed courses SOC 366, WOS 366.

WOS 400. Internship. 3 Credits.
This course is designed to allow students the opportunity to put into practice, outside the
academic setting, the knowledge regarding women’s experiences gained in other courses.
Some possible sites might be a women’s health clinic, a business, a newspaper, a social service
agency, or an electoral campaign. There will be both an on-site and a faculty supervisor.
Pre / Co requisites: WOS 400 requires prerequisite of WOS 225 and two other women’s studies
courses.
Typically offered in Fall, Spring & Summer.
Repeatable for Credit.

WOS 405. Feminist Theory. 3 Credits.
Designed to introduce and discuss basic questions in contemporary feminist theory, the
course will explore different philosophies of feminism and include such issues as motherhood,
intersections with other theories of oppression, and body politics.
Pre / Co requisites: WOS 405 requires prerequisite of WOS 225.
Typically offered in Spring.
Cross listed courses WOS 405, PHI 405.

WOS 410. Senior colloquium. 3 Credits.
Sample topics include global feminism, mothering, the experiences of women of color, and
feminist utopias.
Pre / Co requisites: WOS 410 requires prerequisite of WOS 225 and two other women’s studies
courses.
Typically offered in Fall, Spring & Summer.
Repeatable for Credit.

WOS 415. Senior Project. 3 Credits.
Preparation of research in any area of women’s studies, to be decided by student and adviser.
Supervision includes exercises in method and bibliography. Usually, a lengthy research paper
will be the final result.
Pre / Co requisites: WOS 415 requires prerequisite of WOS 225 and two other women’s studies
courses.
Typically offered in Fall, Spring & Summer.
Repeatable for Credit.

B.A. IN WOMEN’S AND GENDER STUDIES

Curriculum

General Education Requirements (http://catalog.wcupa.edu/
undergraduate/general-education-requirements)

<table>
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<th>Requirement</th>
<th>Credits</th>
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<tbody>
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<td>English Composition requirements</td>
<td>6</td>
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Language and Culture Requirement
Demonstrating language proficiency through the intermediate level (202) or 3-12
providing language proficiency through the elementary II (102) level of a language and further acquiring a cultural foundation

Major Requirement
WOS 225 Intro to Women’s and Gender Studies 3
WOS 305 Intellectual Roots of Western Feminism (strongly 3
recommended)
WOS 405 Feminist Theory 3

Other Approved Courses
Select 18-24 semester hours 18-24
Electives
Electives to complete 120 semester hours 39-45
Total Minimum Credits Required 120

Women’s and Gender Studies students, both majors and minors, take courses across disciplines. Several crosslisted courses are offered each semester, e.g., CLS 259, PSY 365, and SOC 346.

Other courses may be chosen from the list of Women’s and Gender Studies offerings. Additional courses may be applied to the major, under advisement. At least six major courses must be completed at the 300-400 level.

These courses are open to all students who have any required prerequisite as student electives under general requirements. With the permission of their departments, students also may take these courses as electives within their major or minor disciplines.

Sample Course Plan
To track their individual degree progress, students are advised to access their Degree Progress Report (DPR) via myWCU regularly. For more information, visit wcupa.edu/ DegreeProgressReport.

MINOR IN WOMEN’S AND GENDER STUDIES

College of Arts and Humanities

Required Courses
WOS 225 Intro to Women’s and Gender Studies 3
Select one of the following: 3
WOS 405 Feminist Theory
WOS 410 Senior colloquium
WOS 415 Senior Project
Electives 12

Total Credits 18

Women’s and Gender Studies students, both majors and minors, take courses across disciplines. Several crosslisted courses are offered each semester, e.g., CLS 259, PSY 365, and SOC 346. No more than two courses may be taken in a single department. Additional courses may be applied to the minor, under advisement. For advising in Women’s and Gender Studies, contact Dr. E. Simon Ruchti, 736 Wayne Hall. See departmental listings for all other courses.

YOUTH EMPOWERMENT AND URBAN STUDIES PROGRAM

School of Interdisciplinary and Graduate Studies

Overview
543 Main Hall
845-337-5000
Youth Empowerment and Urban Studies (http://www.wcupa.edu/yes)

Hannah Ashley (hashley@wcupa.edu), Director

The purpose of this program is to equip future professionals to work in urban communities and with agencies and organizations that particularly focus on urban youth, including but not limited to schools, social service agencies, and youth and community development organizations. Through an experiential approach to learning and a philosophy of empowerment, the program will help WCU students to understand the complex context of American cities, the strengths and capabilities of families of diverse backgrounds, and the implications of public policy for large urban systems.

The minor will enable students who are preparing for urban careers to develop a deep understanding of the economic, social, cultural, and political context of urban social systems and community factors that affect youth. The Youth Empowerment and Urban Studies (YES) Minor is in the liberal studies program and open to all students in every college.

Programs

Minors in Youth Empowerment and Urban Studies

• Youth Empowerment and Urban Studies (p. 481)

Policies

• See undergraduate admissions information. (p. 11)
• See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

All undergraduate students are held to the academic policies and procedures outlined in the undergraduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

Courses

YES

YES 250. Intro to Youth and Urban Community Work: Urban Prof Workshop. 3 Credits.
This course addresses professional dispositions for working in the urban environment. Students gain an awareness of the strengths of communities, as well as the forms of oppression that youth may experience in the urban environment.

YES 300. Youth Empowerment and the Urban Context. 3 Credits.
This course will immerse students in theories, historical contexts, and practices of leadership and democratic action through study, reflection and a semester-long partnership with an elementary or middle grades classroom in an urban school.

YES 301. Seminar in Youth-Led Media and Inquiry. 3 Credits.
Students will participate in a six-week intensive seminar on service learning/CEL and youth-led media as a particular strategy of CEL.

MINOR IN YOUTH EMPOWERMENT AND URBAN STUDIES

School of Interdisciplinary and Graduate Studies

Curriculum

Required Courses
YES 250 Intro to Youth and Urban Community Work: Urban Prof Workshop 3
YES 300 Youth Empowerment and the Urban Context 3
YES 301 Seminar in Youth-Led Media and Inquiry 3

Focused Electives
Choose one course from each of the following three categories: 9
Urban Contexts and Communities
ANT 347 The Cultures of Cities
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<tr>
<td>GEO 204</td>
<td>Introduction to Urban Studies</td>
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<tr>
<td>GEO 312</td>
<td>Urban Geography</td>
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<tr>
<td>PSC 304</td>
<td>Urban Politics</td>
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<tr>
<td>SOC 342</td>
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<td><strong>Youth and Social Systems</strong></td>
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<td>EDF 255</td>
<td>Evolution of Schooling in U.S.</td>
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<td>HIS 444</td>
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<td>HON 312</td>
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<td>HON 322</td>
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<td>SOC 345</td>
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<tr>
<td></td>
<td><strong>Empowerment Work in Diverse Communities</strong></td>
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<td></td>
<td>Any additional course, within any department, which integrates service learning/community-engaged learning/community-engaged research/field placement in urban settings or with diverse populations; courses should take critical and strength-based approaches to issues addressed. Courses and placements that qualify will be approved by the coordinator of the program by review of syllabi. (For advising in the youth empowerment and urban studies minor, contact Dr. Hannah Ashley.)</td>
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Total Credits: 18

1 Open to Honors College students only.
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