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MISSION, VISION & VALUE 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 also is available on the University’s website: www.wcupa.edu.

Mission Statement

West Chester University, a member of the Pennsylvania State System of Higher Education, is a public, regional, comprehensive institution committed to providing access and 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.

Vision Statement

West Chester University is dedicated to academic excellence. University faculty and staff will create a dynamic and supportive learning environment that prepares students for successful and rewarding personal, professional, and civic lives. Moreover, WCU is committed to partnering with other schools, government, businesses, and nonprofits to enhance economic development and the quality of life for all.

Values Statement

The West Chester University community strives to attract and retain a diverse student body and faculty and staff, to provide the highest quality academic experience for its students; to offer a productive and supportive environment for its faculty, staff, and students; and to act as a highly responsive and engaged partner in its region, the nation, and the world. In so doing WCU is committed to upholding the following values: academic achievement, integrity, service, equity, collaboration, stewardship, creativity, and innovation.

ABOUT THE UNIVERSITY

Introducing West Chester University

Quality education at a reasonable price... this is the goal of West Chester University, the largest of the 14 institutions of higher learning that compose the State System of Higher Education of the Commonwealth of Pennsylvania. A comprehensive and multipurpose university, West Chester serves individuals of all ages with a variety of programs to fill their educational needs.

West Chester offers degrees in the arts and sciences, teacher preparation and certification, advanced study preparation in fields such as medicine and law, education for specific professions, and continuing education. See Programs at West Chester (p. 71) for a complete listing of degree programs.

Total enrollment at West Chester includes more than 13,700 undergraduate students and about 2,300 graduate students. While most undergraduates are recent high school graduates preparing for career objectives, many others are older individuals, including veterans and homemakers, who either never before had the opportunity for a college education or whose schooling was interrupted.

Most students are residents of Pennsylvania, but students from other states and foreign countries are welcome. West Chester’s student body represents a cross section of many ethnic, racial, and religious groups and includes students from all economic levels.

Like the world around it, West Chester University is constantly changing and growing. The school continues to broaden and modify the nature and number of its programs to reflect the needs of its students in their endeavor to prepare themselves for success and fulfillment in life.

History of the University

Although its founding year is 1871, the University in fact has deeper roots tracing from West Chester Academy, a private, state-aided school that existed from 1812 to 1869. The academy enjoyed strong support from the highly intellectual Chester County Cabinet of the Natural Sciences of the pre-Civil War decades. 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, in 1981 the West Chester State College Quadrangle Historic District was placed on the National Register of Historic Places. 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. With a population of about 20,000, the borough is small enough to have the pleasant aspects of a tree-shaded American town, large enough to contain essential services and the substance of a vigorous community, and old enough to give students exposure to America’s early history. Students can walk to West Chester’s many churches, and the town has excellent shopping, dining, and a fine hospital.

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.

West Chester today is part of the rapidly growing suburban complex surrounding Philadelphia and offers interesting opportunities for the study of local, county, and regional government in a period of change and growth.

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

How to Reach West Chester

The Borough of West Chester can be accessed from all directions both 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.

Information on public transportation and carpooling is available in Sykes Student Union, 610-436-2984.

### Communication Directory

<table>
<thead>
<tr>
<th>Mailing Address</th>
<th>West Chester University, West Chester PA 19383</th>
</tr>
</thead>
<tbody>
<tr>
<td>Telephones</td>
<td>Dial 610-436 plus number in parentheses. For offices not shown here, call University Information Center: 610-436-1000</td>
</tr>
<tr>
<td>Web</td>
<td><a href="http://www.wcupa.edu">www.wcupa.edu</a></td>
</tr>
<tr>
<td>Academic Development Program</td>
<td>Academic Development Program, Lawrence Center (3274)</td>
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<tr>
<td>Undergraduate Admissions</td>
<td>Office of Admission, Messikomer Hall (3411); 877-315-2165 (toll free)</td>
</tr>
<tr>
<td>Affirmative Action</td>
<td>Office of Social Equity, 13/15 University Ave. (2433)</td>
</tr>
<tr>
<td>Billing/Payments</td>
<td>Office of the Bursar, 25 University Ave. (2552)</td>
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<tr>
<td>Bookstore</td>
<td>Student Services, Inc., Sykes Student Union (2242)</td>
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<tr>
<td>Careers/Placement</td>
<td>Twardowski Career Development Center, Lawrence Center (2501)</td>
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<tr>
<td>Conference Services</td>
<td>Office of Conference Services, 13/15 University Ave. (6931)</td>
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<tr>
<td>Continuing Education (Adult Studies)</td>
<td>Office of Graduate Studies, McKelvie Hall (2943)</td>
</tr>
<tr>
<td>Counseling</td>
<td>Department of Counseling and Psychological Services, Commonwealth Hall (2301)</td>
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<tr>
<td>Financial Aid/Work Study</td>
<td>Office of Financial Aid, 25 University Ave. (2627)</td>
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<tr>
<td>Graduate Studies</td>
<td>Office of Graduate Studies, McKelvie Hall (2943)</td>
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<td>Housing</td>
<td>Residence Life and Housing Services, Lawrence Center (3307)</td>
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<tr>
<td>Police</td>
<td>Public Safety Department, Peoples Building (3311)</td>
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<tr>
<td>Pre-Major Advising Center</td>
<td>Pre-Major Academic Advising, 222 Lawrence Center (3505)</td>
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<tr>
<td>Public Relations and Marketing</td>
<td>Office of Public Relations and Marketing, 13/15 University Ave (3383)</td>
</tr>
<tr>
<td>Services for Students with Disabilities</td>
<td>Office of Services for Students with Disabilities, Lawrence Center (2564)</td>
</tr>
<tr>
<td>Student Activities and University Events</td>
<td>Student Programming Dept./Student Activities, Sykes Student Union (2983)</td>
</tr>
<tr>
<td>Student Services, Inc. Scheduling/Registration</td>
<td>Sykes Student Union (2984)</td>
</tr>
<tr>
<td>Summer Sessions</td>
<td>Office of the Registrar, 25 University Ave. (3541)</td>
</tr>
</tbody>
</table>

### The Frederick Douglass Institute

The Frederick Douglass Institute (http://www.wcupa.edu/_academics/ 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; and, finally, 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/fsds) 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/_SERVICES/ STU.WCE/institutenewsite/default.asp) 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 Women’s Center (http://www.wcupa.edu/_services/stu.wce/ default.asp). Along with the Commission on the Status of Women and the 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**

In 1975 West Chester University established the Ethnic Studies Institute (http://www.wcupa.edu/_ACADEMICS/sch_cas/eth_stu) (ESI), a University-wide academic and cultural initiative to promote the appreciation of peoples and their diversity. Building on the success of early summer workshops in 1976 to today’s ongoing events, the institute continues to engage WCU’s multiethnic community in an open exchange of ideas regarding social-cultural categories.

Today, the institute continues to be a catalyst for introducing the University community and its broader Chester County public to various U.S. diverse communities and transnational populations as a means of preparing individuals for global participation. ESI does this through research, community services, education, advocacy, and cultural programming on diversity. ESI offers seminars, speakers, conferences, and other special events. It also contributes to the University’s commitment to fostering civility and the development of an inclusive and a safe environment where diversity is welcome.

The institute’s Ethnic Studies program offers the Minor in Ethnic Studies which comprises six concentrations: African American, Asian American, Hispanic and Latino, Jewish American, Native American, and multiethnic populations. These concentrations provide an interdisciplinary academic curriculum that enables socio-cultural and philosophical understanding. The institute promotes respect and compassion for all racial and ethnically diverse peoples.

For more information about the Ethnic Studies Institute (http://www.wcupa.edu/_ACADEMICS/sch_cas/eth_stu) or the minor, contact Dr. Bonita Freeman-Withwoth, director, at bfreeman-withwoth@wcupa.edu (610-436-2725), or Dr. Frank J. Hoffman, associate director, at fhoffman@wcupa.edu (610-436-2361).

**Poetry Center**

The West Chester University Poetry Center (http://www.wcupa.edu/_academics/sch_cas/poetry) hosts the annual West Chester University Poetry Conference (the largest annual all-poetry writing conference in America), 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 Visual and Performing Arts. The center also oversees national poetry awards under the auspices of the Iris N. Spencer Poetry Awards. The center is located in the WCU Poetry House, and is directed by the Office of the Dean in the College of Arts and Sciences. For more information, email (wcupoetrycenter@wcupa.edu) the Poetry Center, or call 610-436-3521.

**ACCREDITATIONS & NATIONALLY RECOGNIZED PROGRAMS**

West Chester University is accredited by:

- Middle States Commission on Higher Education (MSCHE)
- 3624 Market St., Philadelphia, PA 19104-2680
- 215-662-5606

**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 for 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 Commission (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 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 accredited by the National Council for the Accreditation of Teacher Education (NCATE) and 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 (ILA)
- National Association for the Education of Young Children (NAEYC)
- National Council for Social Studies (NCSS)
- National Council of Teachers of English (NCTE)
- National Council of Teachers of Mathematics (NCTM)
- National Science Teachers Association (NSTA)
- Society of Health and Physical Educators (SHAPE)

**CALENDAR & TERM INFORMATION**

**Fall and Spring Terms**

West Chester University operates on a semester system, with each semester spanning a 14-week period. As WCU is a State System university, the academic calendar is determined by Pennsylvania’s State System of Higher Education (PASSHE). 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.

**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).
Undergraduate 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 semester classes. Offerings are generally 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.

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 & FACILITIES

Description of the Campus

West Chester University’s campus is a unique mixture of 19th century collegiate Gothic and contemporary architectural styles. Eighty-two buildings, comprising almost 4 million square feet, are specially landscaped within 406 acres of rolling countryside. 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 borough. The Academic Quadrangle serves as a landmark surrounded by the University’s oldest buildings – Philips Memorial Building, Recitation Hall, Anderson Hall, Ruby Jones Hall, and the Old Library. Three of these buildings are constructed of the green-hued serpentine stone that has given West Chester a particular character for more than a century. Over the ensuing decades, the University expanded to the west and south to include residence halls, student activity and athletic facilities, a dining facility, and general academic buildings. Focal points of student leisure life outside the classroom include the Sykes Student Union, which houses a movie theater, a food court, a computer center, meeting rooms, and lounges, and a newly completed Student Recreation Center, which houses basketball courts, exercise rooms with cardio and strengthening equipment, an interior running track, and a climbing wall.

A dynamic, ongoing building program that began in the 1990s has resulted in upgrades and additions to the Bremler Science Center, improved campus-wide computer technology, and renovations and restorations to three historic quadrangle buildings. The acquisition and completion of the Graduate Center, which is located five miles from the main campus, houses the graduate School of Business and College of Education.

The University’s learning environment continues to keep pace with students’ needs into the 21st century with the completion of the dramatic new Swope Music Building and the Performing Arts Center, which includes the Madeleine Wing Adler Theatre, and the recent renovation of the academic building at Mitchell Hall which now houses the Department of Languages and Cultures and the Center for International Students. The auxiliary components of the student experience have also undergone significant transformations with the construction of four new suite-style residence high rises (University Hall, Allegheny Hall, Brandwine Hall, and Commonwealth Hall) on North Campus; the construction of The Village and East Village on South Campus, an 18-building, apartment-style residence complex, and the opening of three new parking structures. The next phase of the building program includes the construction of the Business and Public Affairs Center and an addition to Sturzebecher Health Sciences Center. A recently installed geothermal well field will provide energy-efficient “green” heating and cooling to the new residence halls and several existing academic buildings, and is targeted for expansion over the next 10 years to incorporate most of the remaining buildings on campus.

Traveling south three-quarters of a mile from the original campus, the visitor will discover the South Campus area, located on a 300-acre expanse of gently rolling Chester County countryside, which includes apartment complexes housing more than 1,200 students and features the Sturzebecher Health Sciences Center, a nationally acclaimed teaching, performance, and research facility. Surrounding the center are tennis courts, two new multipurpose artificial turf fields, and Farrell Stadium, which has the same artificial turf as used by professional football teams. Also at South Campus is the 79-acre Gordon Natural Area, which includes woodlands, fields, and a streamside habitat. This area has been conserved as a research and teaching resource for the natural sciences.

From the Archway of Learning at the Philips Memorial Building to the hiking trails of the Gordon Natural Area, the visitor will find a rich tradition of educational excellence and a diverse variety of facilities in which to learn, live, and recreate.

Information Services

The Information Services (http://www.wcupa.edu/infoservices) Division provides computing, information, and network services to the entire campus community. In addition to supporting many college and department-specific student computing labs, the Academic Computing Center on the ground floor of Anderson Hall serves as the focal point for instructional computing activity and manages public student labs totaling more than 200 workstations. The labs, which post their open hours on the web (http://www.wcupa.edu/infoservices/clientservices/ITHelpDesk/), have consultants on duty to assist students. All computers support general-purpose applications such as word processing, spreadsheets, graphics, and database management systems (Microsoft Office suite) plus course-specific software such as SPSS, SAS, Minitab, Mathematica, Quark, and others. Many software packages are also available to the campus community by Virtual Applications (VDI) solution, which provides faculty, staff, and students web-enabled access to data and applications on any device anywhere (on or off campus). The computer labs also provide access to printers, digitizers, and optical scanners. Student laboratory facilities are also located in Sykes Student Union. Information Services provides many resources and services to promote the use of technology in the teaching and learning environment. More than 150 classrooms are equipped with presentation technologies. For further information contact the IT Help Desk at 610-436-3350.

Library Services

West Chester University has two libraries, the Francis Harvey Green Library (http://www.wcupa.edu/library.fhg/default.asp), at the corner of High Street and Rosedale Avenue, and the Presser Music Library (http://www.wcupa.edu/library.fhg/music.asp), 121 Swope Music Building and the Performing Arts Center. Both libraries offer excellent environments for study and research. Library collections compare favorably with other major public and private libraries in the region. Total library holdings include more than four million items:

- More than 760,000 print volumes
- More than 1,410 print subscriptions

Audio-Visual Materials
- More than 11,000 films, videos, and DVDs
- More than 57,000 sound recordings
Internet-Accessible Materials
• More than 649,000 electronic books
• More than 23,000 electronic journal subscriptions
• More than 2.2 million art images
• More than 138,000 albums of streaming audio
• More than 27,000 scores
• Full text of articles from more than 90,000 journals through licensed databases

Microforms
• More than 926,000 microfilms, microfiche, and microcards
The library's website, http://www.wcupa.edu/library, provides continually updated access to a wide array of resources and services with links to the library's catalog, databases, electronic reserves, library services and hours, and OneSearch. OneSearch provides a single, Google-like interface to search the vast majority of materials owned and licensed by WCU Library Services. OneSearch and library databases are available on any computer with Internet access. WCU faculty, staff, and students can search the library databases and license services and acquire electronic content for personal use or private study. New and emerging technologies are supported through a partnership with the Philadelphia Campus. There is no charge for interlibrary loan. Special holdings in the Green Library 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 and the collection of children's literature, instructional media, and the Philips Autographed Library in Philips Memorial Building. The library's website, http://www.wcupa.edu/library, provides information on electronic reserves, interlibrary loan, and OneSearch. OneSearch provides a single, Google-like interface to search the vast majority of materials owned and licensed by WCU Library Services. The library’s website, http://www.wcupa.edu/library, offers a variety of services and resources to support research, instruction, and collaboration. Users can search the library's catalog, databases, electronic reserves, library services, and hours, and OneSearch. OneSearch provides a single, Google-like interface to search the vast majority of materials owned and licensed by WCU Library Services. The library’s website, http://www.wcupa.edu/library, offers a variety of services and resources to support research, instruction, and collaboration. Users can search the library's catalog, databases, electronic reserves, library services, and hours, and OneSearch. OneSearch provides a single, Google-like interface to search the vast majority of materials owned and licensed by WCU Library Services.

WCU Observatory
The College of Arts and Sciences operates an observatory on top of the Schmucker Science Center. The facility houses a 14-inch, Schmidt-Cassegrain telescope with photometric, spectroscopic, 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.

WCU Planetarium
The Department of Geology and Astronomy 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 Arts and Sciences, 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/_academics/sch_cas.esc/forms/information.aspx.

Darlingtonia
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 Englemann. 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 90 acres of natural woodland and field and stream-side habitat located on South Campus and uses it for several kinds of field studies in the natural sciences. 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.

Francis Harvey Green Library
The Francis Harvey Green Library (http://www.wcupa.edu/library.fhg/default.asp) 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, wireless laptops for use in the library, and access to scanners and coin-operated photocopiers and microform copiers. Most articles requested on interlibrary loan are delivered by e-mail. Most books and other physical material requested on interlibrary loan from other libraries must be picked up at the Green Library. Questions regarding library materials and services should be directed to the Green Library Reference Desk, 610-436-2435, refdesk@wcupa.edu. There is a Starbucks on the first (ground) floor of the Green Library with an exterior entrance from the Quad and an interior entrance from the library.

Presser Music Library
The Presser Music Library (http://www.wcupa.edu/library.fhg/music.asp) contains the University’s collection of print scores as well as sound recordings, music books, periodicals, and microforms. Desktop
computers, music composition software, and laptops for in-library use are available.

**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 ([link](http://www.wcupa.edu/_services/stu/ramsEyeView/speechHearing.aspx)) (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 diverse community 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. The admissions committee reviews every application individually and each aspect of a student’s file is considered: academic record, standardized test scores, personal statement, and selected program of study. The committee prioritizes applicants with the strongest academic credentials during the review process and notifies them of its decision as quickly as possible upon completion of their file. Other candidates may be required to submit additional information or be referred to the committee for a second review. All decisions are communicated to applicants in writing. Qualified students of any age, from all racial, religious, ethnic, and socio-economic 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 Home Schoolers 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

Almost 100% of 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. Candidates will receive written notification from the director of admissions after decisions are reached.

Freshmen who are denied admission on the basis of academics will not be permitted to enroll as a nondegree student at the University but will be encouraged to consider a junior or community college as an alternative.

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 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.

Arranging for Tests

Information about the SAT and ACT may be obtained from high school guidance counselors. It is the student’s responsibility to ensure that all required test scores are forwarded to the Office of Admissions (https://www.wcupa.edu/admissions).

WCU recognizes excellence demonstrated by students on the Advanced Placement (AP) and International Baccalaureate (IB) examinations. With respect to AP tests, only scores of 3 – 5 will be considered for transfer credit. With respect to the IB diploma tests, only scores of 5 – 7 will be considered for transfer credit. Consult individual departments for equivalencies to specific West Chester University courses. Students are encouraged to submit their scores to the Office of the Registrar (http://www.wcupa.edu/registrar) as early as possible to be scheduled appropriately for their first semester.

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 30 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 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.

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 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 applicants who are denied admission on the basis of academics are not permitted to enroll as a nondegree student without the approval of the Office of Admissions. Such approval may be rendered in the event of extenuating circumstances and only under certain agreed-upon conditions in accordance with University policy.

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 also must 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 granted for equivalent courses completed at accredited institutions of higher education. Credit for work completed at an unaccredited institution may be granted on the recommendation of the student’s major department in consultation with the school or college dean and transfer credit analyst. (See also “Admissions Information (http://catalog.wcupa.edu/general-information/admissions-enrollment)” and “Taking Courses Off Campus (http://www.wcupa.edu/registrar/nonWCUCredits.aspx).”)

Grades of D or above are accepted for transfer when the student has a 2.00 overall GPA from the institution from which they are transferring, provided the transferred course does not satisfy a major or minor field requirement.

Grades in a course submitted for transfer as a major and/or minor program requirement must be the same or higher than 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 the course to 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 grants baccalaureate degrees. Departments have the right to accept courses for majors within their departments.

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 report.

**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 department for review. 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 Nonaccredited 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 the American Association of Collegiate Registrars and Admissions Officers (AACRAO); Educational Credential Evaluators, Inc. (ECE); Josef Silny and Associates, Inc.; or World Education Services (WES). Evaluations conducted by other National Association of Credential Evaluation Services approved members will be considered. International students are encouraged to apply electronically as well as supply all supporting documents to the Office of Admissions (http://www.wcupa.edu/admissions) six months prior to the anticipated semester of enrollment.

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), SAT, or American College Test (ACT). Non-native English speakers are encouraged to submit the TOEFL or IELTS. 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 score at band 6.0 or above it required, and minimum scores of 6.0 for speaking, listening, reading, and writing are preferred to demonstrate proficiency in English.

Note: Students who have successfully completed INTERLINK’s Level-3 English-language instruction are not required to submit
evidence of satisfactory performance on an English as a second language performance test.

International students are admitted for both the fall and spring semesters. Applications for the fall must be submitted to the Office of Admissions by May 1, while applications for the spring semester should be submitted by August 1. 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 August 1 deadlines.

**Insurance Requirements for International Students**

International students at West Chester University are required to carry adequate health and accident insurance. Insurance must be effective for all periods of time the student has been authorized to be in the United States by an immigration document issued by West Chester University.

Health and accident insurance policies must be purchased through a company that sells insurance in the United States. West Chester University has set minimum coverage standards which must be met by all insurance policies. Information about the minimum standards is available at the Center for International Programs, 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) by September 1 of each academic year. There students may obtain information as to the amount of insurance required and the means of obtaining coverage to meet the insurance requirement.
GRADUATE ADMISSIONS

The mission of graduate education at West Chester University is to provide high-quality, accessible graduate degree, professional growth, and certificate programs responsive to students' needs for professional development and educational enrichment. The offerings reflect a wide range of master's programs as well as a selected number of specialist and professional growth opportunities. The quality of programs is enhanced by the graduate students' access to and interaction with faculty and by the richness of the diverse student body. The graduate programs are integrated with the research, outreach, and development functions of the University. The faculty fosters excellence in teaching and promotes an intellectual environment that actively supports quality graduate education. The goals of graduate study at this University are as follows:

1. Foster an attitude of intellectual and creative inquiry and to develop research and analytical skills that are applicable to professional settings.
2. Increase the professional skills and academic competence of students to enable them to make important contributions to their professions.
3. Prepare students for further graduate study.
4. Meet the needs of college graduates who are preparing for changing career roles in the future.

Graduate education at West Chester has grown remarkably since its introduction in 1959. Approximately 2,300 students now attend during the fall and spring semesters; some 1,900 enroll for summer sessions. West Chester University’s graduate program is one of the largest within the 14 Commonwealth-owned institutions of higher learning.

The University began as the West Chester Academy in 1812 and functioned as a normal school from 1871-1927. Since it became a four-year college in 1927, West Chester has grown steadily and is now one of the major comprehensive institutions of higher learning in the Philadelphia area.

Facilities for graduate education are excellent. The Commonwealth’s extensive building program led to the Schmucker Science Center, a block-long complex of buildings including a planetarium, an astronomical observatory, and modern laboratories; the E.O. Bull Center for the Arts; and the Francis Harvey Green Library, one of Pennsylvania’s principal university libraries. The Merion Science Center was added in 1995, the Swope Music Buildings, and the Performing Arts Center in 2007, and the new Student Recreation Center in fall 2012. An undergraduate business center is in the construction stage.

The University offers the master of arts, master of business administration, master of education, master of music, master of science, master of public administration, and master of social work in more than 70 programs of study. In 2013 West Chester University began offering its first applied doctorate, doctor of nursing practice (D.N.P.).

Master's degree programs such as the M.B.A., the M.A. in communicative disorders, the M.P.A., the M.S. in computer science, and the M.S.W. are offered, as well as teaching certifications and graduate certificates in several areas, including computer science, counseling, human resource management, and public administration.

West Chester schedules most of its graduate classes during late afternoons and evenings.

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.

Office of Graduate Studies
McKelvie Hall
102 W. Rosedale Avenue
West Chester University
West Chester, PA 19383-2600

DEGREE PROGRAM ADMISSIONS

Student Responsibility

It is the responsibility of the applicant to recognize and observe all program admissions policies and procedures.

Admission Requirements for Degree Students

1. Applicants must have a baccalaureate degree from a college or university accredited in the United States or the equivalent from a foreign college or university prior to enrollment. A minimum 2.80 undergraduate GPA (on a 4.0 scale) is required for most programs. Please note that some programs may have higher GPA minimum requirements. Refer to program websites or program coordinators for more information. Provisional acceptance may be possible, but is not guaranteed, under some circumstances for applicants who do not meet minimum requirements.

2. Applicants must submit scores from the Graduate Management Admission Test (GMAT), Graduate Record Examination (GRE), or Miller Analogies Tests (MAT) if these are required for admission to the program in which the student wishes to enroll. Students applying to a program with any of the above requirements who have an earned, recognized, post-baccalaureate degree from an accredited college or university will have this requirement waived. A student with an earned graduate-level certificate from West Chester University (see policy concerning certificates (p. 15)), applying to a graduate program, may have the standardized test waived at the recommendation of the graduate coordinator.

3. The department offering the desired degree program must recommend acceptance. Before such recommendation is given, an interview with a faculty member may be required. The applicant also must meet any other additional requirements established for the degree program, including grade point averages that exceed the minimum graduate admission requirements.

4. The Associate Provost and Dean of Graduate Studies must give official acceptance. Only written notice from the dean constitutes approval of admission, not correspondence with a department or an individual faculty member.

5. Space must be available in the program.

6. Requirements to resolve academic deficiencies are to be met prior to registering for graduate courses. Individual departments may have more rigorous requirements.

At the graduate level, West Chester University performs an individualized and holistic review of all applications for admission to the University. Graduate admission decisions are rendered using multiple criteria that includes an evaluation of all college transcripts, letters of reference submitted independently by an evaluator, an applicant’s goal statement, and if required by the program, standardized test scores, portfolio review of work/life experience, and other similar program-specific requirements. Graduate applications are reviewed by the graduate coordinator for recommendation, and admissions decisions are made by the graduate dean. Individuals who have questions about their admissibility are encouraged to contact the Office of Graduate Studies (gradstudy@wcupa.edu) or the appropriate graduate coordinator.

An applicant who has academic deficiencies may be granted provisional admission. The departmental coordination will specify course work which must be taken to remove such deficiencies and which might not be credited to degree requirements including, if necessary, undergraduate prerequisites. Admission to degree study does not constitute admission to degree candidacy. After a student
has satisfactorily fulfilled certain course requirements specified in the degree program and has completed 12 to 15 semester hours of work, the student must apply for admission to degree candidacy.

The Application Procedure

Students who have earned or will successfully complete a bachelor’s degree prior to enrollment from an accredited college or university in the United States or the equivalent from another country are eligible to apply for admission to a graduate program.

Electronic applications are available on the Office of Graduate Studies (http://www.wcupa.edu/grad) website. Students must submit the completed application and supporting documentation, including the following:

1. One official copy of academic records (transcripts) from every college and university attended (except West Chester University). Note: Applicants to a professional growth program need only submit transcripts from the institution where their highest degree was awarded.

2. Two professional recommendations (Please note: some programs may require additional recommendation letters or customized forms formatted by the department.)

3. A written statement of professional goals. Language candidates (French, German, and Spanish) must write the statement in the program language. (Please note that some programs have specific requirements regarding the personal statement. Specific program requirements will be listed as part of the application instructions.

4. Several programs require a recognized test of scholastic aptitude, e.g., Graduate Record Examination (General and/or Advanced), Miller Analogies Test (MAT), and/or the Graduate Management Admissions Test (GMAT). Upon the student’s request, test scores are sent by the originating source (e.g., Educational Testing Service) directly to West Chester University.

5. Additional requirements may include the following:
   • An audition (music applicants only)
   • Resume
   • Any supplemental information (e.g., forms, writing samples required by department)
   • A few departments may require a personal interview.

6. Applicants should consult with the graduate coordinator of the primary interest area to assure compliance with admission requirements for a particular degree program.

The applicant is responsible for assuring that the Office of Graduate Studies receives all necessary materials by the recommended application deadlines.

All application materials become the property of West Chester University and may not be returned or forwarded to another institution.

Application Deadline

Most of the graduate programs allow for rolling admissions. However, some programs do have specific deadlines. Please refer to the department website for more information.

Some programs have established different recommended application deadlines. Please see application information under individual programs listed in this catalog.

The application and all supporting credentials should be submitted by the deadline. Late applications will be accepted; however, admission will be on a space-available basis for applicants who meet all other admission requirements. Applicants who have missed the deadline should consult with the graduate coordinator for that program to receive advice regarding the possibility of enrolling as a nondegree student for a maximum of nine credits while awaiting action on their application.

Students interested in receiving a graduate assistantship should indicate their interest in the area designated on the electronic admissions application.

Notification of Admission

All applications are reviewed by both the appropriate department or program and the Associate Provost and Dean of Graduate Studies. Applicants will be notified acceptance or rejection of their applications. If accepted, students must follow all program advising and scheduling policies and procedures. Accepted students should meet immediately with their advisers to outline a program of study.

Matriculation Deposit

All newly accepted students are required to pay a $100 matriculation deposit as proof of intention to enroll. This is a nonrefundable tuition deposit that will be credited to the student’s account upon enrollment. The Office of Graduate Studies reserves the right to cancel a student’s admission if he/she fails to submit a deposit prior to enrollment.

Graduate Admissions Testing

Graduate Record Examination and Graduate Management Admission Test

Scores from the Graduate Record Examination (GRE) or Graduate Management Admission Test (GMAT) are required for some degree programs. The prospective degree student should consult the appropriate program outline and schedule a test prior to matriculation.

Both tests are administered by the Educational Testing Service (http://www.ets.org), P.O. Box 6004, Princeton, NJ 08541-6004.

Miller Analogies Test

Some degree programs may require students to take the Miller Analogies Test. Students requiring the test can call 1-800-622-3231.

CERTIFICATE PROGRAM ADMISSIONS

Professional Certificates

Several departments and programs, in addition to offering degrees, offer professional certificates on completion of a prescribed course of study. These certificates are different from teaching certification and do not lead to teaching credentials from PDE. Consult the individual department or program listings regarding offerings.

Policies and Procedures for Graduate Certificate Programs

Definitions

A graduate certificate program is a focused collection of courses that, when completed, affords the student a record of academic accomplishment in a given discipline or set of related disciplines. Graduate certificate programs are a minimum of 18 credits.

Admission criteria for graduate certificate programs are the same as for graduate degree programs. While the courses in a graduate certificate program may be used as evidence in support of a student’s application to a graduate degree program, the certificate itself is not considered a prerequisite, nor is it a guarantee of admission. Graduate certificate students are not eligible for graduate assistantships.

While taking the last course(s) of the certificate program, the student should apply for the certificate by using the appropriate form (available on the Graduate Studies website).

Guidelines

1. Students are awarded a graduate certificate upon completion of a well-defined program of course work within an approved graduate program.
2. The didactic material encompassed within a graduate certificate program may represent a subset or extension of an existing graduate discipline.

3. For a graduate certificate program, the number of graduate credits is expected to be a minimum of 18. The number of credits must be appropriate to the learning objectives and focus of the program.

4. Graduate certificate programs may be at the post-baccalaureate or post-master's level. Post-master's graduate certificate programs must be designated as such.

5. Graduate certificate programs do not include a thesis.

6. All graduate certificate programs will be reviewed within the course of regular graduate program assessment and review.

7. Certificate programs also may be proposed for post-baccalaureate students that consist of undergraduate credit courses, professional credit courses, or noncredit courses; in such cases, the programs will not be considered to have met the standards for graduate certificate programs.

8. With the exception of courses offered in collaboration with another institution or expressly addressed in the certificate program requirements, a majority of credits for the certificate program must be completed at West Chester University. Graduate credits from another accredited institution may be accepted for transfer and are subject to the transfer of credit policy in place with approval of the department and the associate provost and dean of graduate studies. Please refer to the Transfer Admissions (p. 11) section of the catalog.

9. Students pursuing a graduate certificate will be required to meet the same admissions and academic requirements as those defined for degree-seeking students (e.g., maintenance of a 3.0 GPA).

10. The title of any graduate certificate program must contain the words "Graduate Certificate Program." Only Pennsylvania Department of Education certification programs may include the word "certification."

11. While the courses in a graduate certificate program may be used as evidence in support of a student's application for admission to a graduate degree program, the certificate itself is not considered a prerequisite, nor is it a guarantee of admission.

**Student Eligibility and Admission Criteria**

1. Admission criteria beyond the bachelor's degree from an accredited institution will be determined by the department and explicitly stated.

2. Each program may set admissions criteria above those required for general graduate admissions to a certificate program (e.g., higher GPA or TOEFL scores, standardized test scores, whether or not certificate courses may be counted towards a related master's degree program).

3. Graduate certificate students are not eligible for graduate assistantships.

**Admission of International Students**

Applications and supporting documents must be submitted to the Office of Graduate Studies no later than May 15 for admission the following fall semester, and October 15 for admission the following spring semester.

Applicants whose native language is not English must submit evidence of satisfactory performance on either the Test of English as a Foreign Language (TOEFL) or the International English Language Testing Systems (IELTS--academic version). Satisfactory TOEFL scores are 550 for the written exam, 213 for the computer-based exam, and 80 for the Internet-based exam. Satisfactory IELTS scores are at the 6.5 band. Information about the TOEFL exam is available at www.ets.org (http://www.ets.org) and the IELTS exam at www.ielts.org). Students who have successfully completed to the highest level an accredited intensive English language program or English as a Second Language (ESL) program will be deemed to have demonstrated evidence of equivalency for satisfactory performance on an English as a second language performance test. Students will be required to submit official documentation upon successful completion of the intensive English program or ESL program. For graduate students who receive provisional admission while completing the program, West Chester University reserves the final right and discretion to determine full matriculation as a degree-seeking student regardless of successful completion of the English language program.

The following official education documents must be filed with the Office of Graduate Studies:

1. A completed application.

2. One official transcript evaluation by either the World Educational Services (http://www.wes.org), Education Credential Evaluators, Inc (http://www.ece.org), or any NACES-participating organization (http://www.naces.org).

3. Documents in a language other than English must be accompanied by English translations certified by a University official. Original documents must accompany the certified translations.

4. Those under the British system of education must submit results of external examinations issued by the university administering the examinations. The college record alone is not sufficient. All educational documents must be signed and sealed by a university or college official. Handwritten documents are not acceptable.

5. TOEFL or IELTS scores must be sent from the testing agency directly to the Office of Graduate Studies or ESL completion information from the providing agency must be sent directly to the Office of Graduate Studies. After the application is complete, the academic department and the graduate dean will review it. The applicant will be notified of the admission decision via e-mail.

6. A proof of financial support form must be completed and returned to the Office of Graduate Studies. Current costs are approximately $27,214 for the academic year. (Summer and holidays are not figured into these costs.)

7. A medical history form and an immunization record must be completed by a physician and returned to the Student Health Center, www.wcupa.edu/_services/stu/nfi/.

8. If a student is admitted to a degree program, the University will supply a U.S. Immigration (I-20) Form.

**Student Visa**

Applicants who require a student visa must indicate this on the application form. Those already in the United States can supply a copy of their current visa. Note: I-20’s cannot be issued for professional growth programs. These programs do not lead to a certificate or degree.

**Proof of Financial Support**

International students must demonstrate proof of financial support in the amount of $27,214 for their first academic year in the United States at West Chester University. That support can be demonstrated through a variety of sources, as long as the total from all sources of support equals at least $27,214. The sources of funds can include scholarships, grants, loans, sponsorship by a U.S. citizen or permanent resident, personal or family funds, and acceptance deposits. All sources of funds must be verified. Acceptance deposits may be required to verify personal or family funds. For students who have previously studied in the United States, verification that all financial obligations were met at prior academic institutions may be all that is required to demonstrate proof of financial support.
Insurance Requirements for International Students

International students at West Chester University are required to carry adequate health and accident insurance. Insurance must be 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 and accident insurance policies must be purchased through a company that sells insurance in the United States. West Chester University has set minimum coverage standards which must be met by all insurance policies. Information about the minimum standards is available at the Center for International Programs (http://wcupa.edu/international/internationalStudents.aspx) Office, 610-436-3515.

To assure compliance with the insurance requirement, all international students must come to the center by August 31 of each academic year (January 31 for students entering spring semester). There 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 for "not formally accepted into a degree program." It is a great way to start your college career or to gain personal and professional growth.

Non-Degree Application

The Non-Degree Application (https://my.wcupa.edu/psp/pprd/EMPLOYEE/SA/c/WCU_PORTAL_APPS.WCU_SS_QADMIT.GBL) will allow you to apply for summer or winter terms when it is appropriate to schedule classes for those terms. It will also have options for adult/non-traditional students to apply for Fall/Spring terms as Non-Degree when the scheduling time is appropriate.

NOTE: The application is only available until the first day of the start of classes, after which interested students should contact the managing office.

Tips for Applying

• You will need to submit your date of birth, social security number, mailing address and your email address on the application.
• Once you submit your online application you will receive an email notification almost immediately. The email will be sent to the address you supplied on your application.
• Your online application will be processed and you will then receive a second email notification. This second email notification may take as much as 24 hours. It will include important instructions about how to search the class schedule and scheduling your class, billing information, and most importantly, your WCU ID number.
• High School Students: When applying online via the Non-Degree Online Application, you will be prompted to complete the High School Registration Form. This form will need to be completed by the student, signed by student’s principal/guidance counselor, and be returned to the Registrar’s Office.

Supporting Documentation Required for Applicants Out of High School Less Than 3 Years

If you have been out of high school for less than 3 years, and are interested in Fall/Spring classes, you will need to submit the following supporting documentation after you submit the Non-Degree Application:

1. Unofficial high school transcript showing a minimum GPA of 2.80, and that you graduated in the top 40% of the class.
2. Unofficial transcript from any college/university you have previously attended, showing a minimum GPA of 2.00.
3. Unofficial copy of SAT scores showing a minimum score of 1020 in Content Reading and Math.

Graduate Non-Degree Admissions

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

Nondegree students may schedule up to nine credits of course work on a nonmatriculated basis and may be permitted to take a workshop or other noncredit bearing class. Nondegree students are permitted to enroll in any graduate course in which they possess the necessary prerequisite course work and/or can demonstrate, prior to enrollment, minimum performance competencies. Nondegree 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 nondegree basis does not guarantee admission, and credits earned may not necessarily be applied to a degree program at a later date. Nondegree students are not eligible to receive financial aid. Additional course work 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/_admissions/sch_dgr/nonDegree.aspx) website.
OTHER ADMISSION 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/ussss/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.

Admission of College Graduates Seeking Certification
College graduates who wish to obtain teaching certification should consult with the Office of Graduate Studies (http://www.wcupa.edu/grad), 610-436-2943.

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 adviser(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). After an absence of only one semester, students wishing to return need to contact the Office of the Registrar (http://www.wcupa.edu/registrar) and their department advisers. 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 the

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/ussss/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 graduate dean. 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 nondegree students 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. All scheduling information is available in the Office of Graduate Studies (http://www.wcupa.edu/grad).

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 schedule, indicating there is space available in the class. They then return their signed schedule, along with a signed Senior Citizen fee waiver form and signed audit form if they wish to audit, to the Office of Graduate Studies (http://www.wcupa.edu/grad). The office then schedules the student and submits the fee waiver form to the Office of Financial Aid (http://www.wcupa.edu/_services/fin_aid/default.aspx).
**FEES & 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/_information/afa/fiscal/bursar), 610-436-2552. Fees and expenses are subject to change without notice. Fees shown here are in effect for the academic year 2014-2015 and apply to fall and spring semesters only. Tuition changes 2015-16 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 *QuikPAY* 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 Web page (http://www.wcupa.edu/_information/afa/fiscal/bursar) for payment instructions.

### Undergraduate Tuition for Legal Residents of Pennsylvania

<table>
<thead>
<tr>
<th></th>
<th>Undergraduate Tuition Rates</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Full-time students (between 12-18 credits)</strong></td>
<td>$3,410.00 per semester</td>
</tr>
<tr>
<td><strong>Part-time students (11 credits or less), or per credit for each credit over 18</strong></td>
<td>$284.00 per credit</td>
</tr>
</tbody>
</table>

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

### Undergraduate Tuition for Out-of State Students

<table>
<thead>
<tr>
<th></th>
<th>Undergraduate Tuition Rates</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Full-time students (between 12-18 credits)</strong></td>
<td>$8,525.00 per semester</td>
</tr>
<tr>
<td><strong>Part-time students (11 credits or less), or per credit for each credit over 18</strong></td>
<td>$710.00 per credit</td>
</tr>
</tbody>
</table>

**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 *QuikPAY* 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 Web page (http://www.wcupa.edu/_information/afa/fiscal/bursar) for payment instructions.

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

<table>
<thead>
<tr>
<th></th>
<th>Graduate Tuition Rates</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Legal residents of Pennsylvania</strong></td>
<td>$454.00 per credit hour</td>
</tr>
<tr>
<td><strong>Out-of-state students</strong></td>
<td>$681.00 per credit</td>
</tr>
<tr>
<td><strong>Out-of-state Distance Education</strong></td>
<td>$463 per credit hour</td>
</tr>
<tr>
<td><strong>M.A. in Communicative Disorders; M.Ed. in Counseling; M.S. in Student Affairs; M.S.W. (Social Work)</strong></td>
<td>$499.00 per credit hour</td>
</tr>
<tr>
<td><strong>Legal residents of Pennsylvania</strong></td>
<td>$749.00 per credit hour</td>
</tr>
<tr>
<td><strong>Out-of-state students</strong></td>
<td>$749.00 per credit hour</td>
</tr>
</tbody>
</table>

**Doctor of Nursing Practice**

<table>
<thead>
<tr>
<th></th>
<th>Graduate Tuition Rates</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Legal residents of Pennsylvania</strong></td>
<td>$552.00 per credit hour</td>
</tr>
<tr>
<td><strong>Out-of-state students</strong></td>
<td>$602.00 per credit hour</td>
</tr>
</tbody>
</table>

### Undergraduate General Fee

The general fee of $950.90 per full-time student (12 credits or more) or $79.24 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** ($72.40): This fee pays for the operation and use of the Sykes Student Union Building. The part-time rate is $6.03 per credit.
- **Health Center Fee** ($129.20): This fee is for the use of the University Health Center. The part-time rate is $10.77 per credit.
- **Student Services, Inc. (SSI) Fee** ($164.30): The SSI fee funds student activities, services, clubs, and sports. The part-time rate is $13.69 per credit.
- **Sykes Student Union Expansion Fee** ($60.00): This fee supports the recent renovation of Sykes Student Union. The part-time rate is $5 per credit.
- **Educational Services Fee** ($341.00): 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 $28.42 per credit.
- **Parking Improvement Fee** ($135.65): This fee is dedicated to improved 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 $4.03 per credit.
- **Student Recreation Center Fee** ($135.65): This fee funds the construction and operation of the recreation center. The building includes a fitness center, track, gym, multi-activity courts, rock climbing wall, and other amenities. The part-time rate is $11.30 per credit.

### Graduate General Fee

The general fee of $899.25 per full-time student (nine credits or more) or $101.14 per credit hour for the part-time student (eight credits or less) is a mandatory charge that covers the services indicated below:

- **Sykes Student Union Fee** ($72.40): Previously called the community center fee, this charge is for the operation and use of Sykes Student Union. The part-time rate is $8.04 per credit.
- **Student Health Center Fee** ($129.20): This fee 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 ($14.36 per credit) 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.
- **Sykes Student Union Expansion 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 per credit.
- **Graduate Student Association Fee** ($10): This fee funds the activities of the Graduate Student Association. The part-time rate is $2 per credit with a maximum charge of $10.
- **Educational Services Fee** ($443.68): Students pay this fee in lieu of specific department charges. The part-time rate is $49.30 per credit.
- **Parking Improvement Fee** ($48.32): 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 $5.37 per credit.

- **Student Recreation Center Fee** ($135.65): This fee supports the operation of the new 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, multiactivity 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 $15.07 per credit.

### Distance Education Access Fee

Students enrolled in any distance education course will be charged an access fee of up to 20% of the tuition in lieu of general fees for that course.

### International Student Service Fee

This $75 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

| Full-time undergraduate (12 or more credits) | $211.00 |
| Part-time undergraduate (per credit)        | $18.00  |

#### Out-of-State Students

| Full-time undergraduate (12 or more credits) | $321.00 |
| Part-time undergraduate (per credit)        | $27.00  |

### 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) | $24.00 |
| Out-of-state students (full-time/part-time)                   | $36.00 |

### 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 | $2,424.00 per semester |
| Per Student | $2,574.00 per semester (air conditioned) |

#### 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.

| Single occupancy bedroom | $3,064.00 per semester |
| Double occupancy bedroom | $2,816.00 per semester |

#### 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.

| Single apartment - single occupancy | $4,080.00 per semester |
| 1-bedroom apartment - double bedroom | $3,400.00 per semester |

| 1-bedroom apartment - triple bedroom | $2,890.00 per semester |
| 1-bedroom apartment - quad bedroom | $2,635.00 per semester |
| 2-bedroom apartment - single bedroom | $3,740.00 per semester |
| 2-bedroom apartment - double bedroom | $3,145.00 per semester |

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 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, 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. 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.

| 14 meals per week, plus $250 flex | $1,293.00 per semester |
| 12 meals per week, plus $250 flex | $1,264.00 per semester |
| 9 meals per week, plus $250 flex  | $1,188.00 per semester |
| Unlimited meal plan, plus $250 flex | $1,597.00 per semester |

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, any 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.

| Unlimited meal plan, plus $250 flex | $1,122.00 per semester |
| Flex only                            | $150.00 minimum |

Diners can choose any combination for meals. For all meal plans except flex, the meal week runs from Saturday brunch through Friday late night. Unused meals will carry over week to week until the end of each semester. However, there are no refunds for unused meals. Each plan includes a minimum flex amount of $250, with an option to add $25 increments. Unused flex will carry over until graduation; however, there are no refunds for unused flex.

For additional information regarding meal plans and meal zones that apply only to the unlimited meal plan, contact Dining Services at 610-436-2730.
All meal plans may be used in the following locations: Lawrence Dining Hall; the Diner; C-Stores/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/_information/afa/fiscal/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 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 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 is charged to all prospective students for the processing of their applications to the University. The fee is nonrefundable and is not credited to the student's account.

Graduate: All prospective students are charged a $50 application fee for the processing of their applications to the University. This fee is nonrefundable and not credited to the student's account.

**Commencement Fee**

The University charges $82 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**

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 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 per semester; part-time students are charged $100 per semester.

**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. 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.

**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 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 for a replacement card. Damaged ID cards can be exchanged for a $10 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 late payment fee. Nonreceipt 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 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 to replace the lock.

**Music Instrument Rental Fees**

Each student renting a musical instrument for a semester is charged $20 per instrument. Each student using a pipe organ for practice for one period each weekday is charged $36 per semester.

**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 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 up to $40 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 per hour recording fee will be charged for noninstructional recording, mixing, and editing services provided by the College of Visual and Performing Arts, 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 fee applies to students completing an online application to study or participate in an internship abroad. It will support resources for predeparture advising, health, and safety assurances.

Transcript Fee
The fee for transcripts is $7 per copy. Transcript request forms are available in the Office of the Registrar (http://www.wcupa.edu/registrar).

Undergraduate Credit Crossover Registration Fee
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.

Undergraduate courses appearing on a graduate transcript may or may not be acceptable for a degree program, according to determinations made by the degree-granting department. Undergraduate students with at least a 3.00 GPA and 96 credits of course work may take up to six credits of graduate course work in their final semester in accordance with University policy. If the student wishes to have the credits count towards the bachelor’s degree, he/she must submit a completed "Application for an Undergraduate Student to Take a Graduate Course for Undergraduate Credit." If the student wishes to have the credits count towards a graduate degree, he/she must submit a completed "Application for an Undergraduate Student to Take a Graduate Course for Graduate Credit." Both forms are available on the Office of the Registrar (http://www.wcupa.edu/registrar) website.

If a course is taken under graduate credit by an undergraduate student, 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. Credit earned and grades received will be recorded on the undergraduate transcript. Credits so earned may later be applied to a graduate program, subject to approval of the major department.

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/_information/afa/fiscal/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 an account 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/_information/afa/fiscal/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 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/_information/afa/fiscal/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/services/stu lif). 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 "Withdrawing from a Course" (p. 91). 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 eighth calendar day that the University is in session. After that, tuition and the general fee are refunded according to the schedule below. 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/_information/afa/fiscal/bursar/default.asp).

<table>
<thead>
<tr>
<th>Withdraw during</th>
<th>Receive tuition and general fees refund</th>
</tr>
</thead>
<tbody>
<tr>
<td>Through 8th calendar day of semester</td>
<td>100%</td>
</tr>
<tr>
<td>Remainder of 2nd week of the semester</td>
<td>80%</td>
</tr>
<tr>
<td>3rd week of semester</td>
<td>60%</td>
</tr>
<tr>
<td>4th week of semester</td>
<td>50%</td>
</tr>
<tr>
<td>5th week of semester</td>
<td>40%</td>
</tr>
<tr>
<td>6th week of semester and after</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 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 drop period, which is through the eighth calendar day of the semester. This fee will not be refunded partially or in full for any courses dropped after the eighth calendar day.

**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/_services/stu.lif). For affiliated student housing, please contact the private management company (University Student Housing (http://www.wcuhousing.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/_services/stu.lif) for resident students, and through the Office of the Bursar (http://www.wcupa.edu/_information/afa/fiscal/bursar/default.asp) 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/finaid) 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, enrol and making satisfactory academic progress as a degree student. See the Financial Aid Office (http://www.wcupa.edu/finaid) for a more detailed explanation of this requirement.
2. Submit a Free Application for Federal Student Aid (FAFSA) before March 1 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 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 may be obtained online.

Questions concerning financial aid may be directed to the:

Office of Financial Aid (http://www.wcupa.edu/_SERVICES/FIN_AID/default.aspx)
Kershner Student Service Center
25 University Avenue
West Chester University
West Chester, PA 19383
610-436-2627

Office hours are from 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 needy students 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 March 1.

**Federal Perkins Loan Program**
The Federal Perkins Loan Program is a cooperative effort of the federal government and West Chester University which enables qualified students to secure educational loans under attractive conditions. Each borrower must do the following:
1. Be enrolled or accepted in a degree program
2. Demonstrate financial need
3. Maintain satisfactory academic progress in the curriculum

The annual loan limit for an undergraduate student is $5,500, and $8,000 for a graduate student with an aggregate limit of $60,000. The interest rate is five percent and begins to accrue when repayment commences—nine months after the student graduates, leaves school, or drops below half-time status. There are deferment and cancellation privileges for students meeting specific criteria. Application is made through the Free Application for Federal Student Aid (FAFSA). The priority deadline is March 1.

**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 March 1 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 March 1.

**State Grants**
Pennsylvania Higher Education Assistance Agency (PHEAA) grant. The Commonwealth of Pennsylvania, through PHEAA, makes state grants available to students who demonstrate financial need and are Pennsylvania residents. PHEAA requires that students successfully complete at least 24 credits for each full-year grant awarded. Students must file the Free Application for Federal Student Aid (FAFSA). Deadline is May 1.

The Commonwealth of Pennsylvania has entered into reciprocal agreements with the following adjacent states: Delaware, West Virginia, and Ohio. Residents of these states who wish to attend West Chester University are permitted to use state grants from their home states for educational expenses at West Chester. Some other states not adjacent to Pennsylvania may permit their residents to use state grants for attendance at West Chester University. Students should contact the agency for higher education in their 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 $5,000 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 $8,000 for independent students with $23,000 being subsidized. The academic level maximum amounts are not guaranteed. The loan amount is influenced by the receipt of other aid. 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. For subsidized loans, interest begins to accrue when repayment commences—six months after the student terminates his or her education or drops below half-time status. Interest for unsubsidized loans will begin to accrue on the day the loan is disbursed, and continue until the loan is paid in full. Students must complete the Free Application for Federal Student Aid (FAFSA), and
will also be required to complete entrance counseling and a Master Promissory Note on-line.

The maximum loan per academic year for graduate students is $20,500 (unsubsidized) or the cost of the education. The total maximum indebtedness for all years of undergraduate and graduate study is $138,500.

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 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/_services/fin_aid/default.aspx) at 610-436-2627 or finaid@wcupa.edu (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.

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. 23)" 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/_information/ata/fiscal/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/_SERVICES/FIN_AID) to determine the impact of that action on current and future financial aid.

UNDERGRADUATE SCHOLARSHIPS AND AWARDS

For the most current information on scholarships and awards, see www.wcupa.edu/giving/scholarships/.

THE J. PETER ADLER PRIZE FOR EXCELLENCE IN THEATRE

The J. Peter Adler Prize for Excellence in Theatre has been funded through individual, family, and group gifts to honor the memory of J. Peter Adler, son of WCU President Madeleine Wing Adler. The prize is awarded annually to West Chester University seniors who have exhibited strong talent in theatre, and who will be continuing their education in a graduate degree program.

LENORE ALT EXCELLENCE IN LEADERSHIP AWARD

This $500 award, which was established by Lois Alt, associate professor of vocal and choral music, in memory of her mother, will be presented to a junior woman music major with a 3.25 GPA, who has completed all theory and history of music 200-level courses.

WEST CHESTER UNIVERSITY ALUMNI ASSOCIATION SCHOLARSHIP FUND

A scholarship fund was established by the Alumni Association of West Chester University in 1974 to benefit the students of West Chester University. The criteria for selection are scholarship, leadership, character, and need. Scholarships may be awarded to sophomores, juniors, and seniors. Applications are available from the Office of Financial Aid or the Office of Alumni Relations. The awards are generally made on Alumni Day each year and are applied to the students’ course fees for the next academic year. Scholarship amounts vary.

GERALDINE RUTH DALEY ANDERSON SCHOLARSHIP

This fund was established to honor Mrs. Geraldine Daley Anderson ’34 by a gift from her husband, Robert S. Anderson, M.D. The awards from the fund are restricted to kinesiology majors who are graduates of high schools in Lackawanna, Luzerne, and Wyoming counties in Pennsylvania. Students also must have financial need and demonstrate academic achievement. Preference will be given to women students. The value of the award is estimated at $1,000. Applications may be obtained from the Office of Financial Aid.

ROBERT S. ANDERSON ‘23 SCHOLARSHIP

Robert S. Anderson ’23 created this endowed scholarship in his will to benefit West Chester University students with financial need. Renewable scholarships will be awarded to incoming students with satisfactory academic standards and financial need.

SANDRA ALESIA ATKINS MEMORIAL SCHOLARSHIP

This scholarship is awarded annually as a memorial to Sandra Alesia Atkins, a member of the class of 1981, to an outstanding music student from Overbrook High School in Philadelphia who enrolls at West Chester University as a candidate for the B.M. degree in music education. The recipient will be selected by the School of Music upon recommendation of the Overbrook High School Music Department.

JOAN M. AUTEN ’57 MEMORIAL KINESIOLOGY SCHOLARSHIP AND THE JOAN M. AUTEN ’57 WOMEN’S INTRAMURAL SPORTS SCHOLARSHIP

Joan Auten had a life-long interest and commitment to physical education and recreation with emphasis on participation. These scholarships, started by John M. Auten, Jr. and Joanne McComb, honor that commitment. The kinesiology scholarship will be given to a third or fourth year student who wants to teach health and physical education. The intramural sports scholarship will be given to a female student who demonstrates enthusiasm and sportsmanship in an intramural sports program.

KEITH AND NANCY BEALE CHORAL CONDUCTING SCHOLARSHIP

This scholarship supports a current undergraduate or graduate student who has an interest and potential in choral conducting with a minimum GPA of 3.00 and demonstrated financial need. Selection is made by the choral faculty in consultation with the dean and/or associate dean of the College of Visual and Performing Arts.
HERBERT BELLER SCHOLARSHIP IN GEOLOGY
Established by Mr. and Mrs. Herbert Beller, this scholarship is awarded annually (renewable) to an outstanding junior or senior geology major who needs assistance to pay tuition. The Department of Geology chair will select the recipient; the dean of the College of Arts and Sciences also must approve the selection.

BENZING FAMILY SCHOLARSHIP
Cynthia Benzing, professor of economics and finance at West Chester University, and her spouse, William Benzing, instructor of history at Delaware County Community College and a tax consultant, have established this fund. The scholarship is awarded through the Department of Economics and Finance to an outstanding senior in the department.

*BOARD OF GOVERNORS SCHOLARSHIPS
Merit-based renewable scholarships available to incoming freshmen who are residents of Pennsylvania. Awards are based on the successful completion of an academic high school program, satisfactory SAT/ACT scores, high school rank, and academic record. The Free Application for Federal Student Aid also must be completed.

ELIZABETH O'BYRNE BORZ '41 SCHOLARSHIP
This scholarship provides $500 annually to an entering freshman majoring in elementary education with a B average and is renewable providing a 3.0 GPA is maintained as an undergraduate at the University.

GEORGE AND SUSAN BOYER ORGAN SCHOLARSHIP
This scholarship was created by alumni George Boyer ’69 and Susan Boyer ’79 to assist a talented incoming student whose main area of performance is the organ. In the event that there is no incoming student eligible for the scholarship, it may then be awarded to a current organ major who meets the criteria of excellence.

CAROL BRANCA SCHOLARSHIP
This scholarship, established by the Branca family in honor of Carol Branca, is awarded to a B.A. communications studies major who has an overall GPA of 3.5 or better at the end of the first semester of the sophomore year. To qualify, students must have completed three semesters at the University, and a minimum of 15 credits per semester. The scholarship is renewable provided the recipient continues as a communications studies major and maintains a GPA of 3.5 or better. Transfer students with more than six credits are not eligible for the scholarship. The minimum award is currently $500.

JUSTO B. BRAVO SCHOLARSHIP IN CHEMISTRY
This award is available to a full-time student majoring in chemistry. Applications are made to the Department of Chemistry.

LAURY SAMUEL BROKENSHIRE SCHOLARSHIP
This scholarship is presented annually as a memorial to Laury Brokenshire ’59 by his parents, Mr. and Mrs. James R. Brokenshire of Reading. It is awarded to an outstanding junior class music student selected by the School of Music faculty.

*BARBARA JO HECK BROWN ’49 SCHOLARSHIP FOR ELEMENTARY EDUCATION
The scholarship will support an incoming freshman majoring in elementary education. The recipient should have maintained a high academic standard with a minimum 3.0 GPA and participated in school, church, and/or community activities.

ROBERT M. BROWN ENDOVED SCHOLARSHIP FOR PHYSICS
This scholarship was established by Robert M. Brown ’38 for a worthy full-time sophomore, junior, or senior undergraduate physics major. The scholarship is renewable if the recipient maintains the required 3.0 GPA.

*BONNIE CLAIRE BRUNO ENDOVED SCHOLARSHIP
The award is made to an outstanding full-time student in the College of Arts and Sciences who is a Pennsylvania resident, demonstrates financial need, and has a cumulative GPA of at least 3.00.

JEFF CAMERON SCHOLARSHIP
The scholarship supports a third- or fourth-year student with a minimum GPA of 2.50 who is facing physical adversity. Contact the Office of Services for Students with Disabilities for more information.

DR. MARGARETTA CAREY MUSIC SCHOLARSHIP
This scholarship is available for undergraduate or graduate music students. Selection recommendations are made by the College of Visual and Performing Arts in conjunction with the Office of Financial Aid.

DIANE AND ROGER CASAGRANDE SCHOLARSHIP
Established by Drs. Diane and Roger Casagrande, this scholarship is awarded to a full-time communication studies or pre-engineering declared major with a cumulative GPA of 2.5 or higher and a consistent record of considerable campus and community service. The scholarship is renewable but not automatically so. The selection committee will consist of the chairs from the departments of Physics and Communication Studies, as well as a graduating senior for either department as invited by the chairs.

CAVALCADE OF BANDS SCHOLARSHIP
This award is sponsored jointly by the Cavalcade of Bands Association and the School of Music. The recipient(s) must be admitted in good standing to the music program at West Chester University and selected by the director of the winning band(s) in each category of the American and Yankee Conferences. The awards are determined annually. Normally, one student from each of the four winning bands will be selected to receive a $1,000 tuition scholarship.

ROBERT L. CARL MEMORIAL KEYBOARD SCHOLARSHIP
Two scholarships are awarded to freshman keyboard majors, in honor of the late Robert L. Carl, former chair of the Department of Keyboard Music, who taught piano at the University from 1946 until 1971. Applications are made to the dean of the College of Visual and Performing Arts.

PAUL E. CARSON BAND SCHOLARSHIP
This award has been made possible by the generosity of Paul E. Carson, former chair of the Instrumental Department and a member of the University faculty for 28 years. Scholarships are awarded to freshmen majoring in band instruments.

VINCENT D. CELENTANO MEMORIAL SCHOLARSHIP
This scholarship is awarded as a memorial to Dr. Vincent D. Celentano, musician, scientist, and Explorer Committee member. Eligible freshmen in the School of Music must be affiliated with Exploring or the Senior Branch of Scouting.
FRANK T. CHEESEMAN MEMORIAL VOCAL/CHORAL SCHOLARSHIP

Established in memory of Frank T. Cheeseman, a former distinguished member of the WCU Vocal/Choral Department, this scholarship will be awarded to vocal/choral music students who exemplify the standards of teaching excellence.

CHESTER COUNTY ALUMNI CHAPTER SCHOLARSHIP

The West Chester University Chester County Alumni Chapter sponsors a scholarship for a Chester County high school graduate and freshman. The $500 award is funded through contributions from chapter members. Applications may be obtained through the Office of Financial Aid and the Office of Alumni Relations.

CLASS OF 1920 SCHOLARSHIP

This fund was established by the Class of 1920 through a gift on the occasion of its 65th reunion held May 3, 2003. The scholarship is awarded annually to an incoming student in the field of mathematics. Application forms are available through the Office of Financial Aid.

CLASS OF 1920 SCHOLARSHIP

This scholarship is funded by a gift to West Chester University on the 50th reunion of the class. The scholarships are awarded to entering freshmen based on academic achievement, demonstrated financial need, and demonstrated leadership qualities are essential. The amount will be no less than $500. Application forms are available through the Office of Financial Aid.

CLASS OF 1937 SCHOLARSHIP

This scholarship fund was established by the Class of 1937 as a golden anniversary gift to West Chester University on the 50th reunion of the class. The scholarships are awarded to entering freshmen based on academic achievement, leadership, character, and financial need. The awards are generally made on Alumni Day each year and are applied to tuition fees for the academic year. Applications are available from the Office of Development and Alumni Relations or the Office of Financial Aid. Selection of recipients will be made by the Scholarship Committee of the Alumni Board of Directors.

CLASS OF 1938 SCHOLARSHIP

This fund was established by the Class of 1938 as a Golden Anniversary Gift to the University at the 50th reunion of the class. The award is to be made to a student who has successfully completed one academic year at West Chester and is based on leadership, scholarship, character, and financial need. Application forms are available through the Office of Financial Aid.

CLASS OF 1942 SCHOLARSHIP

Established by the Class of 1942, this scholarship is awarded to a student enrolled in the College of Education with a record of high academic achievement, demonstrated financial need, and evidence of contributions to the campus community through volunteer activities.

CLASS OF 1943 MATH SCHOLARSHIP

This scholarship was initiated by two Class of 1943 members to improve the teaching of math on the middle school and secondary levels. It is awarded annually to an undergraduate who intends to teach mathematics, exhibits excellence in that discipline, and will help foster the job of problem solving in others. Applications are made through the Department of Mathematics.

*CLASS OF 1943 TEACHER EDUCATION SCHOLARSHIP

The Class of 1943 of West Chester State Teachers College established this scholarship on the occasion of its 60th reunion held May 3, 2003. The scholarship is awarded annually to an incoming student in the field of education who demonstrates both financial need and high academic standards. Recipients are chosen by the Office of Financial Aid.

CLASS OF 1945 MUSIC EDUCATION SCHOLARSHIP

This scholarship is designated for an upper-class, music education student who has proven teaching skills in either instrument or voice. The recipient will be chosen by the music education faculty.

CLASS OF 1948 SCHOLARSHIP

The Class of 1948 initiated this scholarship as a gift in celebration of its 50th reunion. Recipients must be a junior, have a minimum GPA of 3.0, major in an area of teacher education, and be active in at least one school-sponsored extracurricular activity. The scholarship is renewable provided the minimum 3.0 GPA is maintained. The minimum award is currently $750.

CLASS OF 1951 SCHOLARSHIP

The Class of ’51 established this scholarship as a gift in celebration of its 50th reunion in May 2001. The award is made to an incoming freshman who plans to major in education, has a cumulative high school grade average of "B" or better, participated in extracurricular or community activities, and demonstrates financial need. The scholarship is renewable provided the recipient maintains an overall 3.0 average at West Chester University.

CLASS OF 1957 SCHOLARSHIP

This fund was established by the Class of 1957 to assist entering freshmen with demonstrated exemplary achievement in mathematics or science and English. Application forms are available through the Office of Financial Aid.

CLASS OF 1959 ENDOWED SCHOLARSHIP

The scholarship supports an incoming first-year student with demonstrated financial need. The application is available through the Office of Financial Aid.

CLASS OF 1963 SCHOLARSHIP

To honor this class, a scholarship will be awarded to an incoming freshman who demonstrates financial need and has a minimum 3.0 GPA (high school).

*CLASS OF 1967 SCHOLARSHIP

Established by the Class of 1967, this scholarship is awarded to a deserving incoming freshman.

CLASS OF 1970 SCHOLARSHIP

This fund was made available through the Class of 1970 on its 15th reunion in 1985. The award is to be made to a student who has demonstrated academic achievement and good University citizenship. The amount is no less than $100. Application forms are available through the Office of Financial Aid.

JOHN T. COATES HORN SCHOLARSHIP

This scholarship was established in 1987 as a memorial to John T. Coates by his wife and daughters. It is awarded to a talented incoming freshman whose major performing area is the French horn.

COLLEGE OF EDUCATION ENDOWMENT

The College of Education Endowment was created by John F. Kenny ’32 in memory of his wife, Vera A. Kenny, and in recognition of Clarence L. McKelvie ’24, professor of education. Awards or loans will be made to academically deserving students under the guidance of the dean of the College of Education.

COLONIAL SCHOLARSHIP FOR BUSINESS STUDY

This scholarship is awarded to incoming freshmen with demonstrated financial need from Plymouth Whitemarsh High School enrolled in the College of Business and Public Affairs.
*CONNELLY FOUNDATION SCHOLARSHIP
The Connelly Foundation, established in 1955 by Mr. and Mrs. John F. Connelly (deceased), provided the funds for this endowed scholarship. Awards will be made to deserving graduates of Catholic high schools in the five-county Philadelphia area including Chester, Delaware, Montgomery, Bucks, and Philadelphia counties. Applicants must have a GPA of at least 3.50 and outstanding SAT/ACT scores.

ALICE CONWAY MEMORIAL SCHOLARSHIP
This scholarship memorializes beloved WCU staff member Alice Conway by supporting a nontraditional student with dependents under the age of 18.

SAMUEL RUSSELL COSBY, JR. ’44 ENDOWED SCHOLARSHIP IN MUSIC
This scholarship provides financial support to an undergraduate student who has performed as a member of the Philadelphia School District All City Jazz Ensemble and would otherwise be unable to meet the cost of education in the WCU College of Visual and Performing Arts. This award may be renewed in subsequent years if the recipient maintains an acceptable academic standing and continues to have financial need as defined by the University’s Office of Financial Aid. The scholarship was created to honor Samuel R. Cosby, Jr., by his nephew Bill Cosby.

PAT CROCE SPORTS MEDICINE ENDOWED SCHOLARSHIP
The scholarship was established through a personal gift from Pat Croce to recognize and reward outstanding students in the sports medicine program.

JEANNE CROSS ’49 KINESIOLOGY SCHOLARSHIP
This scholarship is to be awarded to an incoming freshman who intends to major in kinesiology.

*KENDALL PARIS DAVIS SCHOLARSHIP
This scholarship is awarded to an incoming, full-time, female student from Delaware with demonstrated financial need and deep academic desire. This award is renewable for up to four years.

CLIFFORD DeBAPTISTE SCHOLARSHIP
Named in honor of Clifford DeBaptiste, former mayor of the Borough of West Chester, community leader, and local businessman, this scholarship will assist qualified traditional and nontraditional social work students from both the B.S.W. and M.S.W. programs. Requirements include excellence in academic achievement, demonstrated community leadership initiatives, and a demonstrated commitment to bicultural and bilingual social work practice. Initial assistance in the range of $500 will be provided for book funds and/or travel assistance to and from practicum assignments.

ERIC S. DELLECKER ’84 SCHOLARSHIP
This scholarship for pre-medical students was established in memory of Eric S. Dellecker by his parents. Recipients are chosen by the University Pre-Medical Committee based on academic achievement and the completion of one academic year in the pre-medical program.

PHILLIP B. DONLEY AWARD
This scholarship was established by the athletic training alumni and is awarded to a junior majoring in athletic training. The recipient will be chosen based on GPA, clinical evaluations, and service (professional, University, and community).

*RALPH H. DeRUBBO ENDOWED SCHOLARSHIP FUND
This scholarship was created by Ralph H. DeRubbo ’47 to assist a student in financial need.

FREDERICK DOUGLASS SOCIETY SCHOLARSHIP
Scholarships are available to minority students who are enrolled full time. Applicants must demonstrate their ability to make a positive contribution to the University and/or community through active involvement.

DR. ROBERT E. DRAYER MEMORIAL AWARD
An annual award for the senior who graduates with the most distinguished record in history, in memory of Dr. Robert E. Drayer, assistant professor of history, who died in 1968. The Department of History selects the recipient.

ROBERT EDWARD DRAYER SCHOLARSHIPS
There are three renewable Drayer Scholarships. The four-year full scholarship is given to a freshman history major with strong academic achievement; it covers in-state tuition, fees, room, and board. The two-year full scholarship also covers in-state tuition, fees, room, and board, and is awarded for academic merit each year to a history major who will be returning to West Chester University as a junior. The $2,000 four-year partial scholarship is awarded each year to a freshman history major on the basis of need and merit.

EARTH AND SPACE UNDERGRADUATE SCHOLARSHIP
Awards will be made to junior or senior majors in B.S. geoscience or B.S.Ed. earth and space sciences on the basis of academic achievement, financial need, and personal characteristics. Recipients will be chosen by vote of the faculty in the Department of Geology and Astronomy.

ENDO PHARMACEUTICALS, INC. SCHOLARSHIP
This scholarship is available to students enrolled in the pharmaceutical product development program. Recipients will demonstrate financial need and have excelled in their studies. Minorities and women are encouraged to apply.

ENGLISH FACULTY SCHOLARSHIP
This scholarship (approximately $500) will support a full-time, incoming freshman or transfer student majoring in English with demonstrated financial need and high academic achievement. Application with short writing sample is required. Renewable for a second semester if major and 3.0 GPA are maintained.

CELIA C. ESPLUGAS HISPANIC OR MINORITY SCHOLARSHIP
This scholarship supports a third- or fourth-year Hispanic student majoring in any language, with a minimum 3.0 cumulative GPA and a minimum 3.25 GPA in major. Contact the Department of Languages and Cultures for more information.

FACULTY AWARD
A certificate presented annually to a graduating senior in the Department of Nursing who, in the opinion of the department faculty, demonstrates “outstanding ability and exceptional commitment to professional nursing.”

FACULTY SCHOLARSHIP FUND
Annual awards of $200 each are made in May to undergraduate students on the basis of academic ability and financial need. Applications are made to the Faculty Scholarship Fund.
MICHAEL FALCONE MEMORIAL JAZZ SCHOLARSHIP
This scholarship is awarded in memory of Michael Falcone ’70, a distinguished jazz musician and educator. The recipient must be an outstanding second- or third-year member of the Criterions Jazz Ensemble, as well as a music major.

ALAN FALLICK CELLO SCHOLARSHIP
This scholarship supports a School of Music cello major. Contact the College of Visual and Performing Arts for more information.

DR. AND MRS. ALBERT E. FILANO MATHEMATICS SCHOLARSHIP
Dr. Filano served the University for more than 35 years as a mathematics professor, department chair, division director, academic vice president, interim president, and adviser to the Newman Center. The scholarship fund was established as part of the naming of Filano Hall, dedicated on August 19, 2000, the 50th wedding anniversary of Dr. Albert E. and Mary Rita Filano. The scholarship is awarded to an incoming student majoring in mathematics with a demonstrated commitment to the community through service/volunteerism. It is renewable if the recipient remains a mathematics major and maintains a GPA of at least 2.70.

DEBRA POLLARD FORD ’76 MARKETING SCHOLARSHIP
Inter-Media Marketing and American Telecast Corporation established this scholarship in memory of Debra Pollard Ford ’76, an educator who later served as the director of training and development at Inter-Media Marketing. The scholarship is awarded annually to a marketing major who is selected by the Department of Marketing faculty.

ALAN FRANCE MEMORIAL WRITING SCHOLARSHIP
This scholarship is awarded to the author of the best essay exploring relationships among language, thought, and culture. Contact the Department of English for more information.

*MELVIN L. FREE SCHOLARSHIP
This scholarship was established by Melvin L. Free, a member of the class of 1932. It is offered to an incoming student with a strong academic record.

FRESHMAN STRING SCHOLARSHIPS
Two scholarships are awarded to incoming freshman music students who are string majors, based on performance and potential. Performance is evaluated during the music entrance test administered to prospective students.

CHARLES S. and MARGHERITA GANGEMI MEMORIAL SCHOLARSHIP
This scholarship will be awarded annually to a School of Music major. The award will be made alternately, one year for a theory/composition major and the next year for one in piano, starting fall 2009 with the former. The award will be open to a student at any level (nonrenewable) but is given for the highest achievement both scholastically and artistically. If no one meets these criteria, then the scholarship will not be granted. Faculty members of each respective department are to choose the recipients.

DR. CHARLES GARBER ENDOWED SCHOLARSHIP
This scholarship supports a computer science major with a high GPA who has demonstrated financial need. Contact the dean of the College of Arts and Sciences for more information.

ELIZABETH COOPER WALLS GIBSON ’41 SCHOLARSHIP
As the first African-American woman to be appointed principal in the Coatesville Area School District, Elizabeth Gibson’s last project was to find ways to increase the presence of African-American teachers and administrators in the Octorora Area School District. This scholarship was created to honor her memory and help achieve that goal. The recipient will be an entering freshman African-American student majoring in education from Octorora High School. The award is based on financial need.

RAYMOND AND MAY GRAYSON FRIDAY MEMORIAL SCHOLARSHIP
This scholarship was established by Dr. Raymond Friday, professor of vocal and choral music, in memory of his parents. It is awarded annually to a freshman voice major who is selected in the spring semester on the basis of scholarship and vocal achievement.

MIRIAM GOTTLIEB PIANO SCHOLARSHIP
This award has been made possible through the generosity of Mrs. Miriam Gottlieb, who was a member of the University’s Department of Keyboard Music faculty from 1946 until her retirement in 1975.

MICHAEL C. GREY AWARD
This award was established in memory of Michael C. Grey ’89 by Barbara J. Brown, an alumna and former faculty/staff member.

BESSIE GRUBB SCHOLARSHIP FOR GRAPHIC ARTS
Named for Bessie Grubb, who was employed at West Chester University in the College of Education’s Visual Aids Department for 30 years until her retirement in 1969, this scholarship is awarded to a junior with a concentration in graphic design or photography.

THE JOHN GUTSCHER MEMORIAL SCHOLARSHIP IN MUSIC EDUCATION
This award, presented for the first time in 1988, is based on music student teaching excellence, academic excellence, and financial need. The award was established by the family of John Gutscher, a former music faculty member. The student or students are selected by the music student teaching supervisors with the approval of the Department of Music Education.

*EVELYN H. HALDEMAN SCHOLARSHIP
This scholarship was established by Evelyn H. Haldeman, a member of the class of 1944. One-time awards are made by the University Scholarship Committee to students based on need, above-average scholarship, and citizenship.

MAZIE B. HALL SCHOLARSHIP
This scholarship was established in honor of Mazie B. Hall ’24 who worked all of her adult life to establish better relations among individuals.

*DR. CLIFFORD H. HARDING ARTS AND SCIENCES SCHOLARSHIP
This scholarship was established by a bequest from Dr. Clifford H. Harding, former professor of history and chair of the Department of Political Science. Awards will be made to qualified entering freshmen with several renewable for the second year. Applicants to majors in the College of Arts and Sciences will be invited to apply based on a review of their high school rank, high school GPA, and total SAT scores.
*DR. CLIFFORD H. HARDING BUSINESS AND PUBLIC AFFAIRS SCHOLARSHIP*

This scholarship was established by a bequest from Dr. Clifford H. Harding, former professor of history and chair of the Department of Political Science. Awards will be made to qualified entering freshmen. Applicants to majors in the College of Business and Public Affairs will be invited to apply based on a review of their high school rank, high school GPA, and total SAT scores.

**JACK GARDENER HAWTHORNE SCHOLARSHIP (ART)**

Made possible by Jack Hawthorne, this scholarship is awarded to a first-year art major based on the quality of his or her portfolio. Applicants are encouraged to submit their portfolio in August for review and selection by the Department of Art faculty.

**LEONARD HOCKETSMITH MEMORIAL SCHOLARSHIP FOR PHI KAPPA SIGMA**

This fund was established in memory of Leonard Hockensmith '91, a history major and Phi Kappa Sigma brother, who was active in his fraternity and campus organizations, which included being a cartoonist for the *Quad*. The scholarship will be awarded to a Phi Kappa Sigma brother or a relative of a Phi Kappa Sigma alumni brother from any chapter who is active in extracurricular activities, has a cumulative GPA of at least 2.60, and is in good standing with the fraternity and the campus community.

**HELEN WILLIAMS HODGSON ’19 AND BENJAMIN WILLIAMS HODGSON ’51 SCHOLARSHIP**

Suzanne Hodgson Gottling started this scholarship in memory of her mother and in honor of her brother; both children followed Helen Williams Hodgson into the teaching profession. This scholarship will benefit an incoming freshman majoring in elementary or secondary education with demonstrated financial need.

**MAEVE A. HOLAHAN SCHOLARSHIP**

This scholarship supports a third- or fourth-year female vocal performance major. An audition is required. Contact the College of Visual and Performing Arts for more information.

**ALEXANDER VON HUMBOLDT FOREIGN LANGUAGE SCHOLARSHIP**

This fund was established in honor of the German naturalist Alexander von Humboldt (1769-1859), pre-eminent scholar of his time, who explored much of Latin America collecting and cataloging the flora of the New World and is considered the founder of plant geography. The recipient should be a foreign language major who plans to continue with a study abroad program.

**MARY LOUISE TURNER HOPKINS ’43 AWARD**

This award was established by John Feeley Hopkins ’43 in memory of his wife Mary Louise Turner Hopkins and has been permanently endowed through his recent bequest. It is presented annually to a senior majoring in special education.

**HELEN TAPPER IVINS ’35 ENDOWED SCHOLARSHIP**

The Helen Tapper Ivins ’35 Endowed Scholarship was established by Mrs. Ivins’s sister, Marie Tapper Lewis ’32, and her son, C. Stephen Lewis, in memory of Helen Tapper Ivins, a member of the West Chester University History/Social Studies Department who also served on one of the school’s first scholarship committees. The Ivins Scholarship is awarded to an undergraduate student with a minimum grade point average of 3.0 who is studying to become a history/social studies teacher. Applications can be made through the Department of History.

**MARION PETERS IRVIN ENDOWED SCHOLARSHIP**

This scholarship was established by family members to assist an upperclass education major, committed to teaching, who has financial need.

**ANN JOHNS SCHOLARSHIP**

This scholarship is awarded by the Faculty Dames of West Chester University to undergraduate women who are at least 25 years old, enrolled in degree programs, and demonstrate financial need. Contact the Office of Financial Aid for additional information and application forms.

**ARTHUR E. JONES MEMORIAL SCHOLARSHIP**

Talent in the choral conducting area is the consideration for this annual award to a music student in remembrance of Dr. Arthur E. Jones, former chair of choral music. To be eligible, a student must be a junior who has completed a course in choral conducting. A 2.0 overall GPA and a 2.5 music GPA are required. The Department of Applied Music selects the recipient.

**KAPPA KAPPA PSI OUTSTANDING BANDSMAN AWARD**

This award was established by the Eta Rho chapter of the Kappa Kappa Psi national honorary band fraternity to support a student who demonstrates leadership, a positive attitude, personal responsibility, and a commitment to the well-being of the WCU Marching Band.

**CAROLYN KEEFE SCHOLARSHIP**

The Carolyn Keefe Scholarship was established to honor Dr. Carolyn Keefe, professor emerita of communications studies, former longtime professor of speech communication, and a director of forensics at WCU. To qualify for the scholarship, a student must have completed at least two years on the Forensics Team, return to the University and participate in active competition the following year, have a minimum GPA of 3.0, and be a member of Pi Kappa Delta, national forensics honorary.

**VERA A. KENNY SCHOLARSHIP**

This award is made to an incoming freshman enrolled in the College of Education.

**ALTA M. KETNER ’42 MUSIC SCHOLARSHIP**

This scholarship was established by Alta M. Ketner ’42 for an endowed scholarship awarded to a deserving student in the School of Music.

**DEPARTMENT OF KINESIOLOGY SCHOLARSHIP**

Three scholarships are awarded to any sophomore, junior, or senior student in health and physical education. Applications are made to the chairperson, Department of Kinesiology.

**CHARLOTTE E. KING SCHOLARSHIP**

This endowed scholarship was established by N. Ruth Reed in memory of Dr. Charlotte E. King, former University professor and first chair of the Elementary Education Department. The committee from the department will select an elementary education recipient.

**DAVID S. KONITZER ENDOWED MEMORIAL SCHOLARSHIP**

This scholarship honors the memory of David S. Konitzer, a West Chester University senior who was tragically killed in an automobile accident. The scholarship is awarded to a sophomore, junior, or senior Chester County resident who plans to teach physical education and who meets other scholarship requirements.
Fritz K. Krueger Memorial Voice Scholarship

Two scholarships, endowed by the Krueger family, for freshmen who are vocalists are awarded in honor of the late Fritz K. Krueger, who taught in the Department of Vocal and Choral Music from 1961 until 1971. Applications are made to the dean of the College of Visual and Performing Arts.

Stanley H. and Fleurette Lang/Northeast High School Scholarship

This scholarship was established by the Northeast High School Alumni Association and is awarded to a Northeast High School graduate based on high scholastic standing, class rank, SAT scores, service to Northeast High School, good character, school and community citizenship, and financial need. The scholarship is renewable through four years and is usually awarded to a new student once every four years.

Barbara J. Lappano ’67, M’73 Dance Scholarship

This scholarship supports a full-time dance minor student. Contact the Department of Theatre and Dance for more information.

Leonard Laubach Music Scholarship

Leonard Laubach ’40 established this scholarship for music students. Awards are determined by the School of Music Faculty Scholarship Committee.

Matilda C. Lipscomb French Scholarship

This scholarship supports a French language major or minor planning to participate in a language program. A minimum 3.0 GPA is required in the French major or minor. Contact the Department of Languages and Cultures for more information.

Lombardi-Peters Award Scholarship

This scholarship supports students majoring in foreign languages. Contact the Department of Languages and Cultures for more information.

Mel Lorback Endowed Scholarship Fund

Established by Jerad L. Yeagley ’62, this scholarship honors Mel Lorback, former WCU soccer coach and professor. The scholarship will assist a male soccer player with outstanding academic and leadership qualities, with preference given to physical education majors.

Virginia Keshel MacArthur ’52 Annual Scholarship

This scholarship is awarded to a second-year student with financial need and an interest in teaching, conducting, or performing music in a sacred setting. Candidates are to submit a letter to the Applied Music chairperson giving evidence of these requirements, as well as two letters of recommendation (one from a music teacher and the other confirming musical involvement in a sacred setting). Awarded must agree to actively participate in the School of Music choral ensembles. Recipients must maintain a cumulative 3.0 average GPA in all subject areas.

Lewis H. Marshall Award

An annual award is made to a senior in the social and behavioral sciences whose leadership, professional promise, and academic achievement are outstanding. It is made available by the Chester County Association of Township Officials, and the awardee is selected by a committee of faculty selected from appropriate disciplines.

Sandra F. Prichard Mather ’64, M’68 Research Support Endowment and Endowment for Geology and Astronomy

Sandra Mather is a retired WCU professor and emerita. The research support endowment is intended to enhance research initiatives and opportunities for the faculty and students in the Department of Geology and Astronomy. The endowment for geology and astronomy is for student assistance/scholarship, faculty development, or equipment needs.

Charles Mayo Scholarship

This award of approximately $250 is made annually in memory of Dr. Charles Mayo, a political scientist, who was president of West Chester University from 1974 until 1982. It is made by vote of the political science faculty to an outstanding junior or senior in the discipline. Details are available through the Department of Political Science.

James E. McElrane Scholarship for International Study

This award is presented to a student with academic ability and financial need for study abroad. The scholarship was established in honor of James E. McElrane, Esq. by his friends in the Chester County community.

*Marta Ford McIlvain Scholarship

Established by Martha Ford ’52 and Donald McIlvain, this scholarship provides annual assistance to entering freshmen of high academic promise, and is renewable through graduation provided a minimum 3.0 GPA and full-time status are maintained.

Nancy R. McIntyre Memorial Scholarship

This scholarship is awarded to an incoming freshman from Pennsylvania who has been diagnosed with multiple sclerosis or has some other physical disability. Preference will be given to students enrolling in the College of Arts and Sciences or the College of Education. Applicants should demonstrate extracurricular involvement and leadership capabilities through service or group work.

Kaye D. and Robert D. McKinney Scholarship for Painting

Candidates for this scholarship will be recommended for selection by the WCU Department of Art chair to the dean of the College of Visual and Performing Arts. This scholarship is available to students enrolled in undergraduate or graduate degrees in the Department of Art and are awarded annually.

Richard and Jeanette Merion Scholarship

This scholarship supports a student majoring in chemistry or biology, with preference given to a member of ROTC. Contact the College of Arts and Sciences for more information.

Dr. Alan P. Mewha Endowed Scholarship

Established by Dr. Pricila Alden Mewha in memory of Dr. Alan P. Mewha and his instructors Miss Harriet Elliot and Miss Leone Broadhead, this scholarship is awarded to an outstanding upperclass geography major.

S. Powell Middleton Memorial Scholarship

This is an annual award to a freshman music student for talent and achievement on an orchestral instrument. The award honors the former conductor of the University Symphony Orchestra who died in 1970.
DOROTHY GIVEN MILLER AND FRANK WILLIAM MILLER SCHOLARSHIP
This scholarship was established by Dorothy Given Miller '19 and Frank William Miller '20. Recipients must have successfully completed one year at the University and demonstrate academic achievement, leadership, strength of character, and financial need. Application forms are available from the Office of Financial Aid.

LLOYD C. MITCHELL PIANO SCHOLARSHIP
This scholarship was established in honor of Dr. Lloyd C. Mitchell upon his retirement in 1971 after 35 years of service at the University, including 20 years as chair of the Department of Music and dean of the School of Music. It is awarded annually to a freshman music student selected by a piano faculty jury. Applications are made to the dean of the College of Visual and Performing Arts.

MICHAEL P. MONTEMURO MATH SCHOLARSHIP
This scholarship was established by the Montemuro family in memory of math professor Dr. Michael P. Montemuro. A $1,000 scholarship for tuition will be awarded to an incoming student who is enrolled in the B.S.Ed. degree program in mathematics. Selection by a Department of Mathematics committee will be based on high school record of the candidates, including SAT scores, class rank, courses, grades, and recommendations.

AGNES MONTEMURO SCHOLARSHIP
This scholarship is awarded to an honors graduate of Interboro High School, with preference given to a student planning to major in education. The Interboro High School guidance staff, administration, and senior teachers choose recipients.

MICHAEL MOROCHOKO MEMORIAL PIANO AWARD
The Department of Applied Music presents a scholarship annually to an outstanding junior music student majoring in piano. This award is a memorial to Michael Morochoko, father of a former student.

CAROLE REDDING MURRAY SCHOLARSHIP
This scholarship supports an incoming student with financial need majoring in education. Preference is given to a student from Little Flower High School in Philadelphia. Contact the Office of Financial Aid for an application.

CONNIE MURRAY SCHOLARSHIP FOR PIANO
The Main Line Music Teachers established this $300 award in memory of Connie Murray, one of their members, who championed the cause of private music teachers. The scholarship is presented each year to a piano pedagogy major and selected by the keyboard faculty in the Department of Applied Music.

JON MUSTAFA MEMORIAL SCHOLARSHIP
This scholarship will be given to a rising second-year business major, with at least 15 credits completed. The student should have a minimum 3.0 GPA and be an out-of-state student. If no out-of-state students meet these criteria, then the scholarship may be awarded to an in-state student.

MUSTALISH ENDOWMENT FOR HOLISTIC HEALTH
Dr. Roger Mustalish, professor of health at WCU and president of the Amazon Center for Environmental Education and Research Foundation (ACEER), and his wife, Sue Mustalish '03, an RN, have established this scholarship because of their interest in holistic health issues. This scholarship will support a student studying for the master of public health degree, integrative health track.

NATIONAL GUARD OFFICERS SCHOLARSHIP PROGRAM
Upon certification by the appropriate National Guard official as being eligible, students may register for a given semester by paying 25 percent of tuition costs plus all other fees. The University will bill the National Guard directly for the remaining 75 percent of the tuition charges.

NEW JERSEY ALUMNI SCHOLARSHIP
The New Jersey Chapter of the West Chester University Alumni Association sponsors two annual $500 scholarship awards. These awards are available to students who are New Jersey residents and are funded by the contributions of New Jersey alumni. Applications may be obtained through the Office of Financial Aid and the Office of Alumni Relations.

CHARLOTTE W. NEWCOMBE FOUNDATION SCHOLARSHIP
This scholarship is awarded to undergraduate women who are at least 25 years old and enrolled in their junior or senior years. Selection is based on scholastic ability, financial need, and special life circumstances. Contact the Office of Financial Aid for additional information and application forms.

MARTIN N. NGUYEN SCHOLARSHIP
This scholarship supports a student in the School of Music who demonstrates leadership. Contact the College of Visual and Performing Arts for more information.

DOROTHY NOWACK SCHOLARSHIP
This award was established in memory of Dorothy Nelson Nowack, a professor of public health at West Chester until her retirement in 1991. Recipients will be seniors with 90 credits who are studying public health/health promotion, have a 3.3 or higher cumulative GPA, and exhibit a commitment to professional activities and service to the University, a department, or outside community.

OFF-CAMPUS STUDENT ASSOCIATION SCHOLARSHIP
This scholarship is awarded annually by the Off-Campus Student Association to undergraduate commuters who are involved with off-campus activities.

RICHARD PACIARONI '55 SCHOLARSHIP
This endowed memorial scholarship for geography, established by the Paciaroni family, is awarded annually to an undergraduate geography major or graduate student for enrichment activities or career/professional development. Recipients are required to have a 3.0 GPA in geography major and are chosen by the Department of Geography faculty.

THEODORA PANDEL MEMORIAL PIANO SCHOLARSHIP
This award is presented through the generosity of Praxiteles Pandel, retired associate professor of piano.

EDITH HARMON PARKER BLACK CAUCUS ALUMNI CHAPTER SCHOLARSHIP
This scholarship was established through the estate of Edith Harmon Parker '33 and is awarded to a student with good academic standing studying a discipline related to human relations, with preference given to black students.

HILLARY H. PARRY MEMORIAL SCHOLARSHIP
An annual award to a junior music student, granted for scholarship, citizenship, and achievement in vocal study. The scholarship is in
remembrance of a former teacher of voice. A 2.0 overall GPA and a 2.5 music GPA are required.

BLANCHE STRETCH PETERSON PIANO/ORGAN SCHOLARSHIP

This scholarship is awarded to an incoming freshman from New Jersey whose main area of performance is the piano or organ, with preference given to a student from Salem or Cumberland counties.

PHI MU ALPHA SINFONIA, POWELL MIDDLETON AWARD

An annual award in memory of S. Powell Middleton is presented by the Rho Sigma chapter of Phi Mu Alpha Sinfonia men’s music fraternity. It is based on outstanding musicianship, scholarship, and character. Applications are made to the dean of the College of Visual and Performing Arts.

WILLIAM PYLE PHILIPS SCHOLARSHIPS

Awarded annually to juniors and seniors who are natives of Chester County on the basis of demonstrated scholastic ability. Funds are available for approximately five scholarships to cover the basic tuition. Application forms may be secured in the Office of Financial Aid.

*PRESIDENTIAL SCHOLARSHIP

These merit-based, renewable scholarships are awarded to incoming freshmen based on the successful completion of an academic high school program, SAT or ACT scores, high school rank, and academic record. For additional information and application forms, contact the Office of Admissions.

PRESSER SCHOLARSHIP

This is a grant of $1,000, consisting of $500 from the Theodore Presser Foundation and $500 from the College of Visual and Performing Arts, to be applied toward tuition in a student’s senior year. It is awarded by the president of the University to the student majoring in music who achieved the highest cumulative GPA at the end of the junior year, having completed no less than 95 credits at West Chester University. During the recipient’s senior year, the student will be known as the Presser Scholar, denoting a reward for excellence with the hope that the award will help the student not only financially, but also in his/her future career.

ED ‘85 AND JOLI ‘79 WILLIAMS PRY ENDOWED SCHOLARSHIP

This scholarship supports a first-year student majoring in computer science who is involved in a musical activity. Contact the Department of Computer Science for more information.

N. RUTH REED HEALTH DEPARTMENT SCHOLARSHIP

This scholarship is sponsored by the West Chester University Department of Health. Applicants must be students at West Chester University (specifically, undergraduate health majors with sophomore academic status or better), possess a cumulative GPA of at least 3.0, and demonstrate high moral character, positive personality traits, and evidence of genuine interest and aptitude in working in the health field. For information contact the Department of Health.

WINIFRED PIERSOL REESER ‘43 ENDOWED SCHOLARSHIP

This scholarship supports an upperclass student who is committed to the field of kinesiology and maintains a GPA of at least 3.0.

REISS FOREIGN STUDIES ENDOWED SCHOLARSHIP

Retired faculty member Mary Ann Reiss created this scholarship for students majoring in French, German, Russian, or Spanish who plan to study abroad.

JOEL M. RESSNER SCHOLARSHIP IN CHEMISTRY AND JOEL M. RESSNER SCHOLARSHIP FOR MINORITY STUDENTS IN CHEMISTRY

Joel Ressner, WCU associate professor of chemistry, has established two scholarships to benefit students majoring in chemistry.

FRANCIS J. REYNOLDS SCHOLARSHIP

This scholarship is awarded by the Department of Chemistry to a chemistry major who has successfully completed one year at the University. Applications are available through the Department of Chemistry.

LEAH GALLAGHER RIDDLE ‘41 ENDOWED SCHOLARSHIP

This scholarship was established as a memorial to alumna Leah Gallagher Riddle ’41 by her family and friends. It will be awarded annually to an exemplary upperclass student whose major is in early childhood and/or elementary education.

ALFRED D. ROBERTS FOREIGN LANGUAGE SCHOLARSHIP

This fund was established in honor of Dr. Alfred D. Roberts, professor of foreign languages at West Chester University from 1959 through 1988. He founded the Department of Foreign Languages and the Junior Year Abroad program at West Chester, and served as the president of the Faculty Senate. The scholarship recipient will be a student with outstanding achievement in the study of a foreign language but does not need to have a major or minor in foreign language.

KATHERINE A. ROWLES MEMORIAL SCHOLARSHIP IN ART

Candidates for this scholarship will be recommended for selection by the WCU Department of Art chair to the dean of the college of visual and performing arts. This scholarship is available to students enrolled in undergraduate degrees in the Department of Art and are awarded annually.

SARTOMER COMPANY ENVIRONMENTAL SCHOLARSHIP

A $1,500 annual environmental award is presented to a sophomore or junior who is a Pennsylvania resident and has fulfilled a number of chemistry courses including the chemistry of the environment course. Recipients must have a minimum overall GPA of 3.0 and a 3.2 GPA in the sciences as well as write an essay judged by a company representative.

*MABEL KRING SCHAFFER ‘10 SCHOLARSHIP

This award was established in memory of Mabel Kring Schaffer through the estate of her daughter, Nancy E. Schaffer, class of 1949. It will be awarded to a worthy student with financial need, academic achievement, and good citizenship, as determined by the offices of Admissions and Financial Aid.

ANNE M. SCHaub MEMORIAL SCHOLARSHIP

The Anne M. Schaub Memorial Scholarship is awarded annually to a kinesiology major who is entering the second semester of the sophomore year. A minimum 3.0 GPA is required.
CLARENCE SCHOCK FOUNDATION SCHOLARSHIPS

The Clarence Schock Foundation provides a limited number of scholarships for study at West Chester University in the amount of $6,600 payable in incremental amounts over four years. High school students qualified for college admission or high school graduates who have not attended college on a full-time basis may compete for a Schock Foundation Scholarship when their legal residences are located in the following Pennsylvania counties: Adams, Berks, Chester, Cumberland, Dauphin, Delaware, Lancaster, Lebanon, and York. A student attending the Shippensburg, Boyertown, Spring-Ford, or Williams Valley High Schools in Pennsylvania whose residence is outside the aforementioned area is considered in the SICO Company service area and may apply for a scholarship. No distinction is made on the basis of sex, race, or religious belief.

SCHOOL OF MUSIC STRING SCHOLARSHIP

Two scholarships are awarded to incoming freshmen who are string majors.

EVERETT E. SHAEFER MEMORIAL ENDEDOW SCHOLARSHIP

Established by R. Elizabeth Wyers Shafer ’44 in memory of her husband, this scholarship assists a performing musician enrolled in any music degree program with a minimum 2.0 cumulative GPA with a minimum 2.5 GPA in music.

DR. AHMAD H. SHAMSEDDINE MEMORIAL AWARD

An annual award is given to an outstanding student in the field of business/economics, in memory of Dr. Ahmad H. Shamshedde, associate professor of economics, who died in 1971.

VIOLA B. SHAY SCHOLARSHIP (VOICE)

Viola B. Shay was the beloved aunt of Mr. Tom Gordon, who established this scholarship. Ms. Shay was a soprano who was active in the Matinee Music Club of Philadelphia for many years. This scholarship is awarded annually to a talented incoming vocal major as selected by the vocal/choral faculty.

JANE ELIZABETH SHEPPARD VOCAL/CHORAL SCHOLARSHIP

This award was established in honor of Jane E. Sheppard upon her retirement in May 1987 after 34 years of service in the Department of Vocal and Choral Music. The recipient of this monetary award will be selected on the basis of outstanding participation in vocal and choral activities, which must include four semesters of Chamber Choir, scholarship, and personal qualifications.

JESSE V. SILVANO SCHOLARSHIP

This scholarship was established in memory of Jesse V. Silvano, a West Chester University student. To qualify, recipients must be a sophomore, junior, or first-semester senior, have a minimum GPA of 2.5, be committed to completing an undergraduate degree in criminal justice, have an interest in attending law school, be active in campus or community activities, and have financial need.

ROB SIMON MEMORIAL AWARD

This award has been established by Joseph and Janice Simon, alumni of the School of Music, and the late Dr. Irving H. Cohen, a member of the School of Music faculty for many years, in memory of Rob Simon, who was a double bass major at the University. The competition is open to double bass majors during their junior or senior year.

VINCENT D. AND MARY R. SKAHAN SCHOLARSHIP

The scholarship, in honor of Vincent D. and Mary R. Skahan, benefits graduating seniors from West Catholic High School who have been accepted for admission to West Chester University. Recipients must have a cumulative B average upon graduation from high school. The scholarship is renewable provided the recipient maintains a 3.0 GPA. The minimum award is currently $500. If no qualified student from West Catholic is identified, a student from any parochial school in the city of Philadelphia may receive the scholarship if he or she meets the other criteria.

GREG SMITH MEMORIAL SCHOLARSHIP

An annual scholarship of $100 is presented by the baseball club in memory of a former baseball captain and president of the baseball club.

RICHARD A. SMITH ’06 EARTH AND SPACE SCIENCE SCHOLARSHIP

This scholarship is in memory of Richard Smith, son of Dr. Arthur Smith, who is a professor in the WCU Department of Geology and Astronomy. This scholarship will be used to assist students seeking bachelor’s degrees in geology, earth and space science, or earth and space science secondary education at WCU.

W. W. SMITH CHARITABLE TRUST SCHOLARSHIP

The W.W. Smith Charitable Trust was established in 1977 under the will of William Wikoff Smith, an important supporter of educational opportunity in the Delaware Valley. Established through his will, the W. W. Smith Charitable Trust has carried on Smith's work. Funds from this program are used to support students with high unmet need. The funds also support students enrolled in the Academic Development Program at West Chester University. For additional information, contact the director of the Academic Development Program or the Office of Financial Aid.

SOPHOMORE MUSIC EDUCATION SCHOLARSHIP

Three scholarships are given annually to music education sophomores. University citizenship and musical performance as well as a 2.0 overall GPA and a 2.5 music GPA are required. Applications are made to the dean of the College of Visual and Performing Arts.

SOPHOMORE MUSIC SCHOLARSHIPS

These awards are presented annually to three sophomore music students, one each in the areas of instrumental, vocal, and keyboard. Recipients must exhibit good citizenship and performance skills, as well as have an overall 2.0 GPA and a 2.5 GPA in music. Auditions for the scholarships are held in the fall semester.

CHARLES A. SPRENKLE ENDOWED SCHOLARSHIP

Created by family and friends, this scholarship honors Dr. Charles A. Sprenkle, who joined the faculty in 1955 and was appointed dean of the School of Music in 1971. The scholarship is awarded annually, at the beginning of the fall semester, for tuition assistance to the sophomore who achieved the highest grade point average during the previous year as a full-time freshman enrolled in the School of Music.

DR. ETHEL M. STALEY SCHOLARSHIP

Established in memory of Dr. Ethel M. Staley, who taught French at West Chester from 1930 to 1952, this scholarship is awarded annually to an outstanding graduate or undergraduate student in French.

JANE B. SWAN SCHOLARSHIP

Sponsored by the Women’s Institute of West Chester University, a scholarship of approximately $500 is awarded annually to a woman student who is completing an interrupted education. Application forms are available at the Women’s Center.

DR. CHARLES S. SWOPE SCHOLARSHIP FOUNDATION

A Memorial Scholarship Trust Foundation established by Charles E. Swope and Richard M. Swope in memory of Dr. and Mrs. Charles S. Swope. Dr. Swope served as president of West Chester University for
a quarter of a century. Applicants must be full-time students enrolled in their junior year. Scholarships are $1,000 each; up to 15 may be awarded annually. Applications must be filed on or before April 1. Selection is made during May with scholarships commencing in September.

ELINOR Z. TAYLOR ’43 SCHOLARSHIP

Elinor Z. Taylor was a retired WCU professor emerita, administrator, and representative from the 156th Legislative District in Chester County. This scholarship will support a female student who is majoring in kinesiology.

WILLIAM A. AND BARBARA V. TAYLOR SCHOLARSHIPS

Mrs. Barbara Taylor Toland established this endowed scholarship in memory of her first husband of 35 years, William A. Taylor. Two renewable, full-tuition scholarships are awarded to incoming freshmen, one to a Chichester High School graduate and one to a Sun Valley High School graduate. The recipients are to be deserving students who have not qualified for any other scholarships or financial aid at the University.

EDYTHE M. TRAPNELL ’41 HONORS SCHOLARSHIP

Edythe M. Trapnell, a former public school teacher, established this scholarship to be given to an Honors College student based on the student’s and family’s financial need, as well as the student’s demonstrated academic performance.

S. ELIZABETH TYSON MEMORIAL SCHOLARSHIP

This scholarship is awarded to an outstanding undergraduate student in the Department of Communicative Disorders.

ROBERT M. AND VERA VALYO SCHOLARSHIP

The scholarship honors Chief Robert M. and Vera Valyo. Robert served as chief of police in Willistown Township, Chester County. To qualify, recipients must be criminal justice majors entering their junior or senior year and have an overall minimum GPA of 3.0. This scholarship is renewable if the GPA is maintained. The minimum award is currently $500.

JOY VANDEVER ENDOWED SCHOLARSHIP

Established by the friends of Joy Vandever upon her retirement from the West Chester University faculty, this scholarship is awarded to a music major who finishes among the top 50 percent in the Parry Junior Year Voice Competition.

A. VonHUMBOLT FOREIGN LANGUAGE SCHOLARSHIP

This scholarship supports a third- or fourth-year student majoring in a foreign language with a minimum GPA of 3.0 who intends to pursue graduate study or is enrolled in a study-abroad program. Contact the Department of Languages and Cultures for more information.

EARLE C. WATERS ENDOWED SCHOLARSHIP

This scholarship was established in memory of Earle C. Waters, former professor of health and physical education and coach of nationally renowned soccer, track, and gymnastics teams. Awards will be made to students demonstrating financial need who have completed their first year with a GPA of no less than 2.8 in the Department of Kinesiology with a concentration in the teaching of health and physical education, and who have demonstrated qualities of a well-rounded citizen by participating in and contributing to the success of University or community-sponsored activities. Awards will be made by a committee from the College of Health Sciences.

DOUGLAS M. WEISS ATHLETIC TRAINING SCHOLARSHIP

This scholarship supports a third-year student majoring in the athletic training program. Preference will be given to those assigned to clinical assignment at Swarthmore College. Contact the Department of Sports Medicine for more information.

JAMES R. WELLS ’54 MARCHING BAND SCHOLARSHIP

Named in honor of Dr. James R. Wells, professor of music education and the director of the WCU Marching Band, this scholarship is awarded to top marching band students.

MYNN DIEFENDERFER WHITE ’27 HONORS SCHOLARSHIP

This scholarship has been endowed in honor of Mynn Diefenderfer White by her husband, Paul, her two children, Cynthia and Jim, and three of her grandchildren. The $1,000 scholarship is awarded annually to a rising junior who is a member in good standing of the University honors program, is active in the Honors Student Association, and who demonstrates leadership in the campus community. The award is renewable for the second year provided the recipient maintains the standards for which they were initially selected.

PATTI S. WIGGINS ’47 SCHOLARSHIP

Patricia Morey established this scholarship in memory of her cousin and friend, who was a music education major. This scholarship will support a School of Music piano student.

HARRY WILKINSON MUSIC THEORY SCHOLARSHIP

This scholarship is awarded to a sophomore music student during the spring semester on the basis of talent and achievement in the areas of music theory, ear-training, and sight singing. The scholarship fund has been established by Dr. Harry Wilkinson, retired professor in the Department of Music Theory and Composition.

LOIS WILLIAMS ENDOWED SCHOLARSHIP

This scholarship was established by Lois Williams, the former choral conductor and vocal professor who retired in 1991 after 36 years of service to the University. It is awarded to a student in any music degree program within the School of Music who has earned a minimum cumulative GPA of 3.0 in all music subjects. The student must be at least in his or her third semester of Concert Choir. The candidate for this scholarship will be selected by the conductor of the Concert Choir and will be presented to a student whose leadership and responsibility as a member of the Concert Choir is an obvious indication of this person’s potential as a musician/educator.

YAROSEWICK FAMILY SCHOLARSHIP

Dr. Stanley Yarosewick served WCU for 25 years as a physics faculty member and in several administrative roles. His wife, Mary-Lou, was a teacher in the Downingtown Area School District who took classes at WCU. A stepson, S. Kenneth Wager ’88, and son, Michael J. Yarosewick ’91, graduated with degrees in computer science and physical education, respectively. This endowed scholarship fund was created in recognition of the important contribution WCU has made to the Yarosewick family. This scholarship will support a fourth-year science major who has a minimum 3.2 GPA.

DR. CARLOS ZIEGLER SCHOLARSHIP

This $500 award is presented annually to a junior student majoring in early childhood or elementary education. The recipient must have a 3.0 GPA or higher, and show leadership and potential as an early childhood or elementary teacher.
RUTH WALDMAN ZOLL SCHOLARSHIP
This fund was established through the generosity of the late Mrs. Ruth Waldman Zoll ’28. These scholarships are especially for students who have significant need. Preference is given to a student entering the University from a high school in Berks County where Mrs. Zoll resided. Award amounts vary and application forms may be obtained from the Office of Financial Aid.

ZUMPETTA FAMILY ENDOWED SCHOLARSHIP
This scholarship supports an incoming first-year student with demonstrated financial need and academic excellence who is majoring in music. Preference will be given to a string student. Contact the College of Visual and Performing Arts for more information.

* Students accepted to the University prior to January 15 who have demonstrated outstanding achievement will be invited to apply for these merit scholarships. Candidate selection is based on academic performance, involvement, and accomplishment, and is determined by the University Scholarship Committee.

GRADUATE ASSISTANTSHIPS & SCHOLARSHIPS

Graduate Assistantships
A limited number of graduate assistantships are available to qualified graduate students. Interested students should contact their graduate coordinator to determine the availability of assistantships. All hiring decisions are made by the department in which the assistantship is located. To be eligible to receive a graduate assistantship, the student must satisfy the following requirements:

1. Must be a fully matriculated, degree-seeking, graduate student; certification students are not eligible, and provisionally accepted students are not eligible unless the provisions are removed before the semester begins. Exceptions must be approved by the dean of graduate studies.
2. Have a minimum cumulative GPA of 3.0 for current graduate students (Graduating seniors must have an undergraduate GPA of at least 2.8.)
3. Have indicated interest in a graduate assistantship on the electronic application for admission to graduate studies.

Information regarding work hours, tuition remission, and stipends for graduate assistantships may be found on the Office of Graduate Studies (http://wcupa.edu/grad) website.

Maintaining graduate assistantships requires students to demonstrate both satisfactory performance in meeting assigned hours, dates, and responsibilities, as well as good academic standing.

Students awarded graduate assistantships who fail to maintain good academic standing (minimum GPA of 3.0) will have their assistantships revoked or will not have them renewed. This policy includes courses taken during summer sessions. Departments also may stipulate higher academic standards for maintaining assistantships.

Frederick Douglass Graduate Assistantships
These graduate assistantships are named after Frederick Douglass, a great nineteenth-century American abolitionist and writer and a frequent visitor to West Chester. Douglass gave his last public lecture at West Chester Normal School on February 1, 1895. Applicants with excellent academic credentials may apply for these assistantships. Efforts are made to appoint qualified candidates from historically underrepresented and underserved populations who have leadership experiences in their backgrounds or as part of their academic goals. This consideration is in keeping with the spirit of Douglass’ life of public service and the University’s mission to be a source of encouragement to the African American, Native American, Hispanic American, and Asian American communities. Students with Frederick Douglass graduate assistantships serve the Frederick Douglass Institute. These are full-time (20 hours per week) assistantships that provide a tuition waiver and $5,000 stipend for the academic year. The awards are made on an annual basis and are renewable for a second year. Students may use these assistantships to pursue a master’s degree in one of the University’s graduate programs. Interested individuals with excellent credentials should contact the Office of Graduate Studies (http://wcupa.edu/gradstudy@wcupa.edu).

Residence Hall Graduate Assistants
Opportunities to serve as residence hall graduate assistants are open to all full-time graduate students. Graduate assistants live in the University residence halls and assist the full-time, professional resident director in providing direction for the personal, social, and educational development of the resident students. Residence life graduate assistants are also supervisors for student workers and serve as University judicial hearing officers. These positions are full-time (25 hours a week) graduate assistantships that offer a stipend, tuition remission, and room and meal plan. Preference is given to students enrolled in the M.S. higher education counseling/student affairs program and to those with prior residence hall living experience. Applications may be made through the Office of Residence Life and Housing (http://www.wcupa.edu/_services/stu.lif), Sykes Student Union, 610-436-3307.

Institute for Women Graduate Grant
The Institute for Women at West Chester University offers an annual grant of $750 to a woman graduate student who is accepted into a master’s degree program at West Chester University. The award is based on high academic achievement; evidence of potential for contribution to the applicant’s field of study; a record of leadership in school, community, church, or other setting; and evidence of service to others. Applications, including reference forms, are available on the Office of Graduate Studies (http://wcupa.edu/_ADMISSIONS/SCH_DGR/default.aspx) website. Completed materials must be submitted by March 15. Only students who have filed all required admission credentials and plan to enroll for a minimum of six graduate credits are eligible.

Scholarships and Awards

Applied Statistics Scholarship
This scholarship supports a graduate student in the applied statistics major who has shown exceptional academic achievement in his or her studies. Interested students should contact the director of the applied statistics program.

Michael Bannon Scholarship Fund
The fund supports a student in the M.S. in education degree program with at least 15 credit hours completed. Application is by invitation only. Students must be recommended by a department chairperson or Phi Delta Kappa member, and two additional WCU faculty members.

Communicative Disorders Graduate Scholarship
This award is given to a graduate student enrolled in SPP 501 (Foundations of Research) and is based on the quality of his or her research proposal. Interested students should contact the graduate coordinator in the Department of Communication Sciences and Disorders for more information.

Sharon H. Ennis Graduate Study Scholarship
This fund was established in memory of Dr. Sharon H. Ennis, associate vice president for information services at West Chester University in 1998. To be eligible, an applicant must be a female M.B.A. student with a concentration in technology and electronic commerce who strives to be versed in management, business, e-commerce, computer technology, the Internet, telecommunications, and related emerging technologies. In addition, an applicant must have a GPA of 3.0 or higher and have completed 12-15 credits at West Chester University.
Consideration will be given to candidates with financial need. A committee composed of M.B.A. faculty and chaired by the associate provost and dean of graduate studies will choose the recipient.

**Sender Frejdowicz Scholarship**
This scholarship supports a graduate student in the holocaust and genocide studies master’s degree program who has demonstrated academic excellence. Interested students should contact the director of the holocaust and genocide studies program.

**Cheryl Hamel Counseling Scholarship**
This scholarship supports a full- or part-time graduate student pursuing a master’s degree in elementary or secondary school counseling with a GPA of at least 3.50. The application is available online; more information is available from the Department of Counselor Education.

**Ian Hancock Graduate Scholarship in Holocaust and Genocide Studies**
This award is given to a full-time graduate student enrolled in the holocaust and genocide studies master’s degree program. An application and additional information are available from the director of the holocaust and genocide studies program.

**Institute for Women Fund**
This award supports a female graduate student enrolled in a master’s degree program who has high academic achievement, contributes to a field of study, and has a record of community, church, or other leadership. Applications are available from the Office of Graduate Studies and Extended Education.

**Charles Mayo Scholarship**
A financial grant is awarded yearly to an upperclass or graduate student in political science in memory of Charles Mayo, former president of West Chester University. Funded by contributions, the award is administered by faculty of the Department of Political Science. The value of the scholarship is approximately $300.

**Irene Shur Holocaust and Genocide Studies Scholarship**
This scholarship supports a graduate student in the holocaust and genocide studies master’s degree program who has demonstrated academic excellence. Interested students should contact the director of the holocaust and genocide studies program.

**Mustalish Graduate Scholarship in Holistic Health**
This scholarship supports a graduate student studying for the master of public health degree, integrative health track. Interested students should contact the College of Health Sciences for more information.

**WCU Alumni Association Graduate Scholarship**
This scholarship supports a graduate student with demonstrated financial need, meritorious academic achievement, and involvement in campus activities. Applications and additional information are available from the Office of Alumni Relations.

**Greater West Chester Chamber of Commerce M.B.A./James Hamilton Scholarship**
Established by the West Chester Chamber of Commerce, this scholarship is awarded to an M.B.A. student who has resided in the greater West Chester area for at least the previous 12 months. Candidates should have completed a minimum of nine graduate credits with a 3.0 GPA or better. A committee comprised of M.B.A. faculty will choose the recipient.
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- John F. Murphy ’43 (deceased)
- Luther B. Sowers ’49

Senior Administration

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B.A., M.A., University of Washington; Ed.D., University of Kansas

R. LORRAINE BERNOTSKY (1996) Interim Provost and Vice President for Academic Affairs
B.A. Messiah College; M.A., Temple University; M.Phil, D.Phil., University of Oxford

MARK P. MIXNER (2002) Vice President for Administrative and Fiscal Affairs
B.A., College of William and Mary; M.S.A., George Washington University

MARK G. PAVLOVICH (2000) Vice President for Advancement and Sponsored Research
B.A., M.A., Ph.D., University of Michigan

CHRISTOPHER M. FIORENTINO (1985) Vice President for External Operations
B.A., M.A., Ph.D., Temple University

J. T. SINGH Interim Executive Director for Information Services
B.A., M.S., West Chester University

MATTHEW J. BRICKETTO (1986) Vice President for Student Affairs
B.S., Seton Hall University; M.Ed., Ohio University; M.B.A., Fairleigh Dickinson University; Ed.D., Rutgers University

JEFFERY L. OSGOOD, JR. (2009) Interim Associate Provost and Dean of Graduate Studies
B.S., Austin Peay State University; M.P.A., Western Kentucky University; Ph.D., University of Louisville

VERNON HARPER (2012) Associate Vice President for Planning and Academic Administration
B.A. Pennsylvania State University; M.A., West Chester University; Ph.D., Howard University

JOSEPH SANTIVASCI (2003) Assistant Provost and Assistant Vice President for Strategic Enrollment Management; University Registrar
B.S. Widener University; M.Ed. University of Delaware

LORI VERMEULEN (2008) Interim Associate Dean, College of Business and Public Affairs
B.S., Messiah College; M.B.A., Pennsylvania State University; Ph.D., Temple University

MONICA ZIMMERMAN (2008) Interim Associate Dean, College of Business and Public Affairs
B.S., Messiah College; M.B.A., Pennsylvania State University; Ph.D., Temple University

R. Lorraine Bernotsky, Interim Provost and Vice President for Academic Affairs

Academic Affairs Division

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Vernon Harper, Associate Vice President for Planning and Academic Administration

Joseph Santivasci, Assistant Provost and Assistant Vice President for Strategic Enrollment Management; University Registrar

Learning Assistance and Resource Center (http://www.wcupa.edu/ussss/larc)
Honors College (http://www.wcupa.edu/honors)
Office of Services for Students with Disabilities (http://www.wcupa.edu/ussss/ossd)
Pre-Major Academic Advising Center (http://www.wcupa.edu/ussss/pmaac)

College of Arts and Sciences

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Marc Gagne, Interim Associate Dean for the School of Science and Mathematics

Anita Foeman, Faculty Associate for Student Issues

Undergraduate programs in the College of Arts and Sciences (http://catalog.wcupa.edu/undergraduate/arts-sciences)
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Graduate programs in the College of Arts and Sciences

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Interim Provost and Vice President for Academic Affairs

Vice President for Student Affairs

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Dean, College of Business and Public Affairs

Dean, College of Education

Dean, College of Visual and Performing Arts

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Monica Zimmerman, Interim Associate Dean
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Vacant, Associate Dean for Partnerships, Grants, and Faculty Development
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Raymond Zetts, Associate Dean
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  - Music Education
  - Music Theory, History, and Literature
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Richard H. Swain, Director
Adele Bane, Associate Director

West Chester University is a member of the Pennsylvania State System of Higher Education.
FACULTY INDEX

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WILLIAM E. HUGHES
MICHAEL J. JONES
SARA L. SCHMID
KURT STRAUSS

1989
ATSUSHI MINOHHARA
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
LITTLETON G. MITCHELL

2000
MURIEL BERMAN
LARRY MENDTE

2002
MARTIN R. BERNDT

2004
DONALD McILVAIN
MARTHA FORD McILVAIN

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
HONORARY DEGREES

2012
BERNARD J. CARROZZA
JAMES E. McERLANE

2013
MILLIE C. CASSIDY
RICHARD B. YODER

2014
CARMEN EVANS CULP
LAWRENCE A. DOWDY

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1998
KOSTAS MYRSIADES

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KARIN VOLKWEIN

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CLAUDE FOSTER

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ROBERT MAGGIO

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KARIN VOLKWEIN

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SANDRA FOWKES-GODEK

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C. JAMES TROTMAN

2008
LYNDA BALOCHE

2009
LISA KIRSCHENBAUM

2010
MARK RIMPLE

2012
VIOREL NITICA

2013
CHARLES HARDY

2014
ELEANOR BROWN

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FRANK A. SMITH
JANE B. SWAN

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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 FAIRCHILD
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 CASCIATO

1995 - 1996
T. OBINKARAM ECHEWA
PHILIP RUDNICK

1996 - 1997
RICHARD E. BLAKE
REBECCA PAULY
ELISE A. TRIANO

1997 - 1998
H. JAMES BURGWYN

1998 - 1999
JASMIN T. MCCONATHA

1999 - 2000
PAUL A. STOLLER

2000 - 2001
LEIGH SHAFFER
RICHARD WOODRUFF
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
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

E. Riley Holman Memorial Faculty Award
2011
MICHAEL BOYLE
2012
LYNDA BALOCH/CONNIE DiLUCCHIO (jointly awarded)
LINDA HANNA
2013
DONNA SANDERSON
2014
KAREN JOHNSON AND LISA LUCAS (jointly awarded)
CLAIRE VERDEN

Distinguished Sponsored Research Award
2002
JOHN KINSLOW
2003
PAUL STOLLER
2004
RICHARD I. WOODRUFF
2005
FRANK E. FISH
2007
LISA KIRSCHENBAUM
2013
KEVIN APTOWICZ

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 MCVOY
2005
CARL CRANMER
2006
OVIDIU MARINESCU
2007
LARRY NELSON
2008
JOHN VILLELLA
2009
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
GEORGE W. MAXIM, Teaching
EDWARD N. NORRIS, Service
PHILIP D. SMITH, JR., Teaching
WILLIAM TOROP, Teaching

1976 - 1977
ROBERT E. BYTNAR, Service
ANDREW E. DINNIMAN, Service
IRENE G. SHUR, Teaching
RUSSELL L. STURZEBECKER, Service

1977 - 1978
MARC L. DURAND and ROBERT F. FOERY (Joint Project), Service
BERNARD S. OLDSEY, Service
GEORGE F. REED, Teaching
RICHARD I. WOODRUFF, Teaching

1978 - 1979
ROBERT E. CARLSON, Service
JOHN J. TURNER, JR., Teaching
C. RALPH Verno, Teaching
ROBERT H. WEISS, Service

1979 - 1980
CAROLYN B. KEEFE, Teaching
JOHN A. MANGRAVITE, Teaching
PHILIP D. SMITH, JR., Service
NORBERT C. SOLDON, Service

1980 - 1981
LOUIS A. CASCIATO, Teaching
PHILIP B. RUDNICK, Service
FRANK A. SMITH, JR., Teaching
JANE B. SWAN, Teaching
JOSEPH M. THORSON, Service

Civilty 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 LEPOR
2010 - 2011
DARLA S. COFFEY
2011 - 2012
MARGARET TRIPP
2012 - 2013
PETER LOEDEL
2013 - 2014
GRACE KELLY
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.

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## PROGRAM INDEX

### Degree/Program Requirements

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<th>Distance Education</th>
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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, at lklingensmith@wcupa.edu or 610-436-2433.

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;
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 Title IX coordinator, Lynn Klingensmith, Director of Social Equity/Title IX Coordinator, 13-15 University Ave., 610-436-2433 or lklingensmith@wcupa.edu.

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 215-656-8541.

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/_admin/social.equity) 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 the Director of Social Equity, 13/15 University Avenue, 610-436-2433.

West Chester University has also established the Office of Services for Students with Disabilities (http://www.wcupa.edu/ussss/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/_services/stu.lif), 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 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 make arrangements for changes to a particular facility to ensure accessibility, please contact the manager of campus projects at 610-436-3599.

**ADA Policy and Accommodations**

The University's complete ADA Policy Statement and commitment to accommodations compliances 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 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
   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
   Fabrication is the use of invented information or the falsification of research, information, citations, or other findings.

3. Cheating
   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
   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
   Facilitating academic dishonesty includes helping or attempting to help another to commit an act of academic dishonesty.

6. Breach of Standards of Professional Ethics
   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 violation of 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 reregistered 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 associate 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 either:
• remain in the course without penalty, or
• 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 associate provost’s designee until the student has graduated and the degree has been awarded. In addition, the associate 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 Associate 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 to 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 associate 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 associate provost serves as nonvoting chairperson. If the associate 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 Associate 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 Judicial Affairs and Student Assistance, 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 identity of those sitting on as part of the Academic Integrity Board and
witnesses that will be presented by the charging party. Hearings shall proceed to the extent possible according to the following form:

1. The chair shall open the proceedings by reading the statement of charges;
2. The charging party shall then present the case against the accused party, including the presentation of witnesses. This shall be done by the submission of written, physical, and testimonial evidence. The accused party and the board shall have the right to conduct reasonable questioning of the charging party and the charging party's witnesses; hearsay evidence is not acceptable since it denies the opposing party the opportunity to cross-examine unless such is a business record of the University.
3. At the conclusion of the charging party's presentation, the accused party may present a defense, including the presentation of witnesses, or may plead to the charges. This shall be done by the submission of written, physical, and testimonial evidence. The charging party shall have the right to conduct reasonable questioning of the accused party and the accused party's witnesses; hearsay evidence is not acceptable since it denies the opposing party the opportunity to cross-examine unless such is a business record of the University.
4. After both cases have been presented, the board shall allow rebuttal evidence;
5. At the close of the hearing, the board shall allow closing arguments by the parties.

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 advisers, who may be attorneys, and who may be present at hearings. The board chair must be notified in advance of the hearing who the advisers will be. The advisers may only consult and interact privately with their advisees, and may not address the board. Advisers 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.

NOTE: 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 adviser 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. Any actions taken by the provost will be sent to the director of the Office for Judicial Affairs and Student Assistance. A disciplinary file will be established as a permanent record of these actions.

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 Judicial Affairs and Student Assistance. 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 nonvarsity 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 he or she 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 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 recorded 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 adviser. 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 adviser 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:

<table>
<thead>
<tr>
<th>Freshman</th>
<th>0-29.5 semester hours of credit (inclusive)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sophomore</td>
<td>30-59.5 semester hours of credit (inclusive)</td>
</tr>
<tr>
<td>Junior</td>
<td>60-89.5 semester hours of credit (inclusive)</td>
</tr>
<tr>
<td>Senior</td>
<td>90 or more semester hours of credit</td>
</tr>
</tbody>
</table>

Full-Time Status

A full-time class load ranges from 12 to 18 semester hours of credit. Credits attempted or earned through the process of Credit by Examination are not counted in the student’s class load.

Transcripts

Requests for official transcripts are made online through the myWCU portal for students who attended after 1985. Students may choose either a paper transcript or an e-transcript (certified PDF) which can be e-mailed. The cost is $7 per transcript for either option. Students who attended prior to 1985 will not be able to order online since their records are archived. These students need to use the transcript request form which can be found on the Registrar’s website (http://www.wcupa.edu/registrar). Only paper transcripts are available for students who attended prior to 1985. Students will not be able to request a transcript if they have any outstanding holds on their account.

More detailed ordering information is available on the Registrar’s website, http://www.wcupa.edu/registrar/

Important note: Current term “In-Progress” courses will not display on a West Chester University transcript. Only courses that have been graded will display.

Student WCU E-mail Accounts

All incoming students to West Chester University will be issued an official WCU e-mail address. Students are advised to check this e-mail account frequently since University administrators and faculty will be communicating information regarding classes, financial aid, billing, emergency announcements, and other important notifications. These e-mails will only be sent to a student’s “wcupa.edu” e-mail account and not to any other personal e-mail address.

Directory Information - Rights and Privacy Act of 1974

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
- 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 organizations that are officially affiliated with the University or with whom the University has a contractual relationship.

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 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.

Changes in Name or Address

Students wishing to change their address can do so via their myWCU (https://my.wcupa.edu) account.
Any student wishing to change his/her name from that currently on record must provide legal documentation supporting the change. This must be the original or a notarized photocopy of a court-generated document, such as a marriage license, court order, divorce decree, etc. A driver’s license is not adequate. All name change requests must go through the Office of the Registrar (http://wcupa.edu/registrar/default.aspx). Requests for name changes received through the mail will be acknowledged by letter.

Exception to Academic Policies

Students may file a petition that requests exception to academic policies. Petition forms are available in the Office of the Registrar (http://www.wcupa.edu/registrar) and on the Registrar's web page. Students who may request an exception because of a disability should refer to, "Services for Students with Disabilities (p. 98)."

The Family Educational Rights and Privacy Act (FERPA)

West Chester University is committed to protecting the privacy of its students and to maintaining the confidentiality of student education records in accordance with the Family Educational Rights and Privacy Act of 1974 (FERPA).

Students at West Chester University are afforded the following rights regarding their education records:

1. The right to inspect and review their education records within 45 days from the date the University receives the student’s request for access.

   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. Students seeking a change of grade should refer to the Grade Appeal (http://catalog.wcupa.edu/graduate/academic-policies-procedures/grade-information) policy. The written request must clearly identify the part of the record the student wants amended and must specify why the record is inaccurate or misleading. 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 their 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, which will be based solely on the evidence presented at the hearing, 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.

   Students who are dissatisfied with the result of their hearing may place in their education record an explanatory statement commenting on the information that was under review. The explanatory statement will be maintained as part of the students’ education record and will be released when the records in question are disclosed.

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.

   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.

   • To persons or organizations providing the student financial aid, or who determine financial aid decisions concerning eligibility, amount, and terms of the financial aid.

   • To appropriate parties in a health or safety emergency.

4. The right to file a complaint with the United States Department of Education concerning alleged failures by West Chester University to comply with the requirements of FERPA.

   FERPA is administered by the Family Policy Compliance Office. Student complaints can be sent to:

   - Family Policy Compliance Office
   - U.S. Department of Education
   - 400 Maryland Avenue, SW
   - Washington, D.C. 20202-4605

   For the purposes of this policy, the term “student” refers to any individual who has secured admission to the University in the form of a deposit, has enrolled in a course, has completed a non-degree application, or any individual who has previously attended West Chester University. The term “education records” refers to any records directly related to a student, with certain exceptions, that are maintained by the university or its agents. These records include but are not limited to grades, transcripts, class lists, student course schedules, student financial information, and student discipline files.

ACADEMIC SERVICES

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. 71) page. Programs of study at the graduate level are also available. These are listed on the Program Index (p. 71) 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 adviser. The University believes that effective advising should assist students in achieving their academic, professional, and personal goals. Faculty advisers will strive to provide accurate, timely, and current information, thus establishing the framework around which students will construct their academic program of study.

The University community—students, faculty, and staff—shares the responsibility for student success. Individual students need to take ownership and responsibility for their educational and career goals by assuming an active role in the classroom and being aware of policies and requirements necessary for graduation. The University is responsible for providing a supportive environment where students can receive quality academic advising and also be referred to other campus resources that will provide assistance and help students succeed.

Advising assignments are made by the academic department of the student’s program of study. Students who are admitted to the University as “undecided” are assigned an adviser through the Pre-Major Academic Advising Center (222 Lawrence Center, 610-436-3505). Students may find the name of their assigned academic adviser on their myWCU portal page (http://my.wcupa.edu). All students are strongly encouraged to meet with their academic adviser at least once per semester, especially in preparation for registration for the subsequent semester and in preparation for graduation.

Students who choose to pursue an academic minor will also be assigned an adviser in the minor. The minor adviser 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/ussss/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/ussss/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 nondegree 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.

The WCU 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.

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, llibspeccoll@wcupa.edu or 610-436-3456.

Multicultural Affairs

The mission of the Office of Multicultural Affairs (http://www.wcupa.edu/_SERVICES/stu.maca) 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 office collaborates with other offices, organizations, and departments to
improve awareness of and appreciation for racial and cultural diversity for the University community.

As an extension of the office, the Multicultural Center serves as a general gathering place for all students and is also a home-base for the OMA mentoring program, the Board of Governors Scholarship program, and many multicultural student organizations. The Office of Multicultural Affairs (http://www.wcupa.edu/_SERVICES/stu.mca) is located in the Multicultural Center 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/default.asp) as well as the home page of the associate provost (http://www.wcupa.edu/_admin/associateprovost/policies.asp).

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. 87) 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/_academics/sch_sba/political_science/default.asp) (HBI 400, HBI 401, HBI 402) or http://www.pashe.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/_academics/sch_sba/political_science/default.asp); contact the chair at 610-436-2743.

Pre-Major Academic Advising Program
The Pre-Major Academic Advising Center (PMAA) (http://www.wcupa.edu/ussss/pmaac/default.aspx) provides support to undergraduate students before their admission to an academic major. The assignment to PMAA either reflects the student’s own choice or a designation by the University because

1. the student does not meet all of the preparation and/or academic requirements for a particular major, or
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 advisers assist students in interpreting University and department policies and requirements, and with selecting appropriate courses. Advisers make referrals and discuss vocational and career interests with undeclared students. Together, the adviser 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; and
3. an approved “Change of Major” form has been filed in the Office of the Registrar.

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

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 may use the Visiting Student Program in order 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 or 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://bio.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. (See page 70 for more information.)
Environmental Geography
Offered by the Department of Geography and Planning (http://www.wcupa.edu/_academics/sch_sba.geo/default.asp), 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. (See page 99 for specific information.)

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 Geology and Astronomy (http://www.wcupa.edu/_ACADEMICS/sch_cas.esc), 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. (See pages 100-101 for more information.)

Environmental Health
Offered by the Department of Health (http://www.wcupa.edu/_academics/HealthSciences/health/default.asp), 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. 273) in the catalog for specific program information.)

National Student Exchange Program
West Chester University is one of approximately 180 participating colleges and universities across the United States and Canada 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 school. 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 Office of the Registrar. Applications are due in February 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 Office of the Registrar (http://www.wcupa.edu/registrar/default.aspx), 610-436-3085.

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/_ACADEMICS/SCH_CAS/MED/default.asp), which is supervised by members of the Pre-Medical Committee. More information about this program can be found under the pre-medical program listing in the section "Programs of Study and Course Offerings."

Pre-Law
Students who are interested in exploring a career in law are encouraged to meet with the Pre-Law Adviser 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 Adviser 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 Adviser, 312D Anderson Hall, 610-436-2365, or stompkowicz@wcupa.edu.

Engineering
West Chester University, in cooperation with The Pennsylvania State University at University Park provides 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 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 of Philadelphia University. This program is available to all freshmen and to transfer students. Please contact the Department of Physics (http://www.wcupa.edu/_academics/sch_cas.phy) 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/?pageId=58). Students receive from 1.0 to 3.0 free
elective credit hours per course (maximum 14 credit hours) 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 semester hours of baccalaureate credit 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 covers the costs of all company classes and a few outside classes, and students are responsible for the costs of any additional outside classes. All ballet programs are full-scale, professional productions held on the WCU campus in the Emilie K. Asplundh Concert Hall. Each semester will culminate in a full-scale, professional production of contemporary and classical ballet on the WCU campus.

Students seeking scholarships are encouraged to apply to the University early in the fall of their senior year for the spring semester or 10 credit hours in an individual summer or winter session.

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/_ADMISSIONS/SCH_DGR) for admissions materials. Applicants will be referred to the appropriate faculty adviser(s) for completion of the Approved Program of Studies form.

**COURSE POLICIES**

**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 credit hours in a fall or spring semester or 10 credit hours in an individual summer or winter session.

In order to schedule an overload, students must complete an Add Overload form and submit it to the Office of the Registrar (http://www.wcupa.edu/registrar) by the end of the add period. The application for an overload must be signed by the student’s academic adviser and the chairperson of the department in which the student is majoring.

Students who carry more than 18 credits in a fall or spring semester will be responsible for additional tuition 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 five-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 five times TOTAL. For example, this means repeating five DIFFERENT courses once each, or repeating each of two different courses twice (four repeats) and one additional course once.
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 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 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 used to satisfy major, core, cognate, or general education (including distributive) requirements. Interdisciplinary, diverse communities, and 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. 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. 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 preplanned 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 adviser, course professor, department chair of the course, the dean of graduate studies, and the associate 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/_ADMISSIONS/SCH_DGR/default.aspx).

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 for University-Sanctioned Events, 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 for University-Sanctioned Events
Undergraduate students participating in University-sanctioned events such as, but not limited to, the Marching Band, musical ensembles, theatre group, athletic events, forensics competition, etc., 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. Professors can provide a fair alternative to taking the examination or quiz that will be missed. Students must submit original documentation on University letterhead signed by the activity director, coach, or adviser 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 non-event 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 non-game days.

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 disrespects, 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
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
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
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 student(s) shall result in immediate removal of the student from the classroom by the faculty member. In the event of imminent danger to person or property, Public Safety will be called and immediate removal shall result. Extreme or severe behavior can result in removal from the course and not merely from the immediate class.

2. A second instance of disruptive behavior shall result in the removal of the student from class for the remainder of the class period. The faculty member should log the behavior and the steps taken in writing.

3. A third instance of disruptive behavior shall result in permanent removal of the student from the class.

Temporary Removal
1. A student who has been asked to leave the classroom must meet with the faculty member prior to returning to the next class.

2. A student may, as the result of removal from the classroom and having met or tried to meet with the faculty member without success, request a third party agreeable to both the faculty member and him/her to assist in resolving his/her difference with the faculty member. He/she can do so by applying to the chairperson of
the department in which the course in which the event occurred is housed.

Permanent Removal
1. In the event of permanent removal from the class, the faculty member shall notify the chairperson of the department in which the course is housed, who shall then notify the dean of his/her college, the dean of students, and the chairperson of the student's major department.
2. A student who has been permanently removed from the classroom shall be assigned a grade consistent with course requirements depending upon the point in the course at which the removal took place. A written statement of the reason for permanent removal shall be provided to the student by a review panel, in the event of an appeal by the student, or by the faculty member, in the event there has been no appeal. The review panel shall be the only venue for a hearing on permanent removal from the classroom.

Appeal Process
1. The student may, within five University calendar days of removal, appeal permanent removal. That appeal shall be made to the review panel which shall be constituted and charged by the dean of the college, or his/her designee, in which the event occurred. The panel shall include an academic manager, a faculty member, and a student. It shall, within five University calendar days, conduct fact finding and make a written recommendation to the dean who shall provide copies to the faculty member and the student. Extension based on compelling circumstances may be granted by the dean or his/her designee.
2. A student who appeals removal shall be given an opportunity to keep up with classroom assignments during the time it takes the review panel to reach its decision.
3. In the event that the student's behavior was perceived as sufficiently threatening or severe, either party may invoke the right to a separate interview or may submit written testimony to allow for fact finding by the panel.

School Assignments for Field Experiences
Students are assigned early field and student teaching experiences at schools with which the University has a formal agreement. Students will not be assigned to schools that they attended or where members of their families are employed or attend.

Special requests for school assignments will be considered by the student’s major department.

Before an undergraduate student may register for independent study or research, practicum, internship, externship, 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 French 101 after having satisfactorily passed French 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 (http://www.wcupa.edu/_academics/coed) 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).

Nondegree Students
Nondegree is an academic term for “not formally accepted in a degree program.” Nondegree students are permitted to enroll part time (maximum nine credits per semester and seven credits for winter and summer terms) for course work toward professional development, personal growth, or certification. High school students may attend on a nondegree basis with written permission of their high school principal or guidance counselor.

Dual Degrees
A student who has successfully completed at least 30 credits of work at West Chester University may petition to pursue a second undergraduate degree concurrently with the first, such as a B.S. in computer science and a B.F.A. in art. If admitted to a second degree program, the student must, to receive both degrees at graduation, earn at least 30 credits beyond the requirements of the baccalaureate program with the fewest required credits for a minimum of 150 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.

Double Major
A student may select two majors within the same degree. In this case, a student must meet all of the requirements for both majors. The student should consult regularly with advisors from both programs. Students wishing to pursue two types of baccalaureate degrees (B.A., B.F.A., B.M., B.S., B.S.Ed., B.S.N.) should see Dual Degrees section above.

Second Degrees
An individual may pursue a second degree at West Chester University after earning the first degree either at West Chester or some other institution. Such an individual must apply for admission through the Office of Admissions (http://www.wcupa.edu/_ADMISSIONS/ SCH_ADM) as a transfer student and earn at least 30 hours of West
Chester University credit beyond the requirements of the initial baccalaureate program. 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. All requirements for the curriculum in which the second degree is earned must be satisfied. A given course required in both the degree programs is not repeated for the second degree.

**Minor Fields of Study**

Students who have enough flexibility in their major curriculum to fulfill the requirements of a minor must fill out and submit a minor selection application to the Office of the Registrar (http://www.wcupa.edu/registrar). To enroll in a minor field of study, students must have the permission of both their major and their proposed minor departments. Admission to the minor does not guarantee admission to the major. Students must complete 18 to 30 hours of courses selected in consultation with the minor program adviser. At least 50 percent of minor course work must be taken at West Chester. Also, beginning with students entering in the fall 1993 semester, students must earn a minimum GPA of 2.00 in the set of courses taken for a minor in order to receive transcript recognition of that minor. Certain minor programs may require a higher minimum GPA. Students should consult with the minor program adviser.

Please see academic department pages for minor offerings.

**Changing Majors**

A student wishing to transfer from one program of study at the University to another program must file a change of major form in the Office of the Registrar (http://www.wcupa.edu/registrar). To enroll in a minor field of study, students must have the permission of both their major and their proposed minor departments. Admission to the minor does not guarantee admission to the major. Students must complete 18 to 30 hours of courses selected in consultation with the minor program adviser. At least 50 percent of minor course work must be taken at West Chester. Also, beginning with students entering in the fall 1993 semester, students must earn a minimum GPA of 2.00 in the set of courses taken for a minor in order to receive transcript recognition of that minor. Certain minor programs may require a higher minimum GPA. Students should consult with the minor program adviser.

Please see academic department pages for minor offerings.

**ENROLLING IN & WITHDRAWING FROM COURSES**

**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. The drop/add period extends 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. After drop/add, students may do a course withdraw through the myWCU portal. The deadline to withdraw from a course is the end of the ninth week of classes. Course withdrawals will be noted on the transcript with a "W."

**Withdrawing from a Course**

A grade of W (withdraw) will be entered on the academic record of any student who withdraws from a course after the drop/add period and before the end of the ninth 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 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.

**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**

Students wishing to withdraw from the University may go to the Office of the Registrar (http://www.wcupa.edu/registrar) or submit their withdrawal to the office in writing. Written notification is required for all withdrawals. If illness or some other emergency interrupts the student’s University work necessitating withdrawal, he or she must notify the Office of the Registrar (http://www.wcupa.edu/registrar) at once.

Unless a student withdraws officially, F grades will be recorded for unfinished courses.

**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.

**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**

**Grade 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>Excellent</td>
</tr>
<tr>
<td>A-</td>
<td>3.670</td>
<td>90-92</td>
<td></td>
</tr>
<tr>
<td>B+</td>
<td>3.330</td>
<td>87-89</td>
<td>Superior</td>
</tr>
<tr>
<td>B</td>
<td>3.000</td>
<td>83-86</td>
<td></td>
</tr>
<tr>
<td>B-</td>
<td>2.670</td>
<td>80-82</td>
<td></td>
</tr>
<tr>
<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></td>
</tr>
<tr>
<td>C-</td>
<td>1.670</td>
<td>70-72</td>
<td></td>
</tr>
<tr>
<td>D+</td>
<td>1.330</td>
<td>67-69</td>
<td>Below Average</td>
</tr>
<tr>
<td>D</td>
<td>1.000</td>
<td>63-66</td>
<td></td>
</tr>
<tr>
<td>D-</td>
<td>0.670</td>
<td>60-62</td>
<td></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>
<td>IP</td>
<td></td>
<td>93-100</td>
<td>In Progress</td>
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<tr>
<td>NG</td>
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<td>90-92</td>
<td>No Grade</td>
</tr>
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<td>87-89</td>
<td>Withdraw</td>
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<td>Audit</td>
</tr>
<tr>
<td>M</td>
<td></td>
<td>73-76</td>
<td>Military Withdraw</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 9th 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. See "Grade Changes (p. 92)."

**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 associate 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).

Grade Changes
Any grade awarded other than NG or IP is final. Final grades can be changed only when there is a clerical or computational error. A newly disclosed diagnosis of a disability may not be used as reason for requesting a grade change or removal. If the student thinks there is an error, the student must report the alleged error in writing to the professor as soon as possible, but no later than the end of the fifth week of the following semester. If a grade change is warranted, the professor must submit a change of grade request to the Office of the Registrar not later than the end of the ninth week of the semester. Final grades cannot be changed after the ninth week of the semester following the alleged error.

If a student did not complete course requirements because of a valid reason, such as a serious illness or death in the family, a grade of NG may be assigned at the discretion of the professor. The professor will also determine the manner in which the course is to be completed and the deadline for completion. In no case may the period of completion extend beyond nine weeks into the next semester. No student may graduate with an NG on the transcript.

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 following semester. (The instructor must file a change of an NG grade in the Office of the Registrar by the middle of the tenth week of the semester.)

A graduating senior has only 30 calendar days after the end of the term in which he or she intends to graduate to complete all degree requirements, including the removal of NG and IP grades.

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 original grade 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.

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 adviser 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 of which the course in question is a part. 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 mutually satisfactory decision has been 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 the problem is not mutually resolved by 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 associate 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
1. The Associate Provost and Dean of Graduate Studies serves as nonvoting chairperson. If the Associate Provost is not available to serve, the administration will appoint a substitute mutually acceptable to the student and the Association of Pennsylvania State College and University Faculties (APSCUF).

2. A faculty dean not involved in the appeals process. A substitute may be appointed as noted above.
3. Two faculty members. At the beginning of each academic year, the Office of the Associate 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 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 Judicial Affairs and Student assistance, 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 adviser 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. The faculty member involved may be assisted by an adviser, an APSCUF representative, or the chairperson of the department in which the problem originated.

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

3. Such witnesses as are called on behalf of either the faculty member or the student.

4. Resource persons or expert witnesses called at the request of the board. In the event that the decision making involves knowledge of the discipline, the board shall be required to utilize at least one resource person from the discipline, an expert adviser(s) to aid them in their decision making.

**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. Decision of the Appeals Board
   a. The Grade Appeals Board shall deliberate in executive session and render a decision 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 department in which the course in question is located of the decision within three class days of the board's final action. The notification shall include the basis upon which the decision was reached.
   c. The chairperson of the Appeals Board shall also transmit the decision, in writing, to the provost or his/her designee. If the board has upheld the student's appeal, the provost will direct the registrar to change the existing grade to the grade recommended by the board.

**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 adviser 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 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 associate 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 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.

**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. Nondegree 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.

**Requirements for Graduation**

A student is recommended for graduation upon the satisfactory completion of a minimum of 120 semester hours 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. 130)." A student must apply online for graduation no later than the end of the junior year or when 90 credits have been earned. It is imperative that the student meet with his or her academic adviser. 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 45 credits be earned at West
Students exercises if they apply by the deadline.

The permanent student record (transcript) records all degrees, majors, and minors completed and graduation honors. The diploma only lists the degree earned; ex: Bachelor of Science. 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 45 semester hours of credit at West Chester University. Normally, the student will take the last 30 semester hours 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 hours 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 (http://www.wcupa.edu/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 $82 is applied to the student’s account as soon as a student submits the online application.

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

Graduation Honors
Graduation honors are awarded as follows:

<table>
<thead>
<tr>
<th>Cumulative GPA</th>
<th>Honors</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.250-3.499</td>
<td>magna cum laude</td>
</tr>
<tr>
<td>3.500-3.749</td>
<td>summa cum laude</td>
</tr>
<tr>
<td>3.750-4.000</td>
<td></td>
</tr>
</tbody>
</table>
www.wcupa.edu/ussss/arp/Login.aspx) (ARP). It is the student’s responsibility to contact the adviser 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, and
   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 2.50 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 certification (B.S.Ed., B.M. in music education, or B.S. in health and physical education - teacher certification), he or she may not be readmitted to the original major. The academic renewal student must re-enter in a non-teacher certification degree program or as an undeclared student.

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 adviser 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 adviser’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 adviser, and the office of the special assistant for academic policy.

**Academic Renewal Policy**

The Office of the Associate 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 make it impossible for them to graduate from West Chester University under any form of readmission, even if they were granted five more repeats. Students can be readmitted only once under the Academic Renewal Policy, and it is not retroactive if a student has previously been readmitted. Students who were previously enrolled in an education degree program, see paragraph #2 below.

a. A student must have had a minimum of a five-year absence from West Chester University.

b. All grades for courses previously taken will remain on the WCU academic database; academic renewal will be noted on a new 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. 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, and even if the department accepts less than a C in the course for its majors/minors.

b. Beginning with readmission, students will be treated as first-time, first-year admits; i.e., granted all privileges of that group (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 enter a different major than the one in which they were originally enrolled. The selected department will be notified that this is an academic renewal student, and that department has the right to refuse admission to its programs.

c. Academic renewal students will be treated as readmits in terms of catalog academic rulings. General education, major, minor, and cognate areas are based on the catalog in the year they were granted academic renewal. Students pursuing an education degree need to refer to the paragraph below concerning this.

2. If a student is approved for readmission 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 certification (B.S.Ed., B.M. in Music Education, or B.S. in Health and Physical Education - Teacher Certification), he or she may not be readmitted to the original major. The academic
renewal student must re-enter either in a program that does not lead to teacher certification, or as an undeclared student.

a. If a student readmitted under academic renewal wishes to apply for formal admission to teacher education status, that student may seek a change of major to a teacher certification program under the prevailing internal transfer policy of the specific program. The student must meet all requirements for formal admission to the desired program, including the minimum cumulative GPA.

b. When the student applies to re-enter a program leading to teacher certification, the qualifying cumulative GPA will be based on the
i. grades earned in those courses which were retained in the renewal process (even though these courses no longer contribute to the WCU cumulative GPA),
ii. grades of any transfer courses, and
iii. grades earned at WCU after returning under renewal (a minimum of 15 credits).

NONDEGREE STUDENTS

Nondegree is an academic term for “not formally accepted in a degree program.” Students may begin their college careers by taking classes nondegree, for personal and professional growth.

Nondegree students take the same courses as everyone else and earn the same college credit. Students may earn a total of 18 credits (usually about six courses) as a nondegree student and may be permitted to take a workshop or other noncredit-bearing class.

Nondegree students are not eligible to receive financial aid; however, they may take advantage of other services offered by the University including

• Internet registration
• Payment plans
• Career and personal counseling

Nondegree students are permitted to enroll in any undergraduate course in which they possess the necessary prerequisite course work and/or can demonstrate, prior to enrollment, minimum performance competencies. Nondegree students also may be required to seek permission from the instructor. After attempting 18 credits, nondegree students need to apply for admission if they wish to continue. (College graduates can take as many courses as they want.)

Nondegree students can take a maximum of nine credits during fall or spring semester. In summer or winter terms, nondegree students are limited to taking seven credits per term.

Students may be considered for nondegree status if they

• graduated from high school (or received a GED) three or more years ago;
• have less than 30 credits from another college or university with at least a 2.0 cumulative grade point average (GPA);
• have earned a college degree and want to take courses for professional or personal development;
• are a high school student who have met the criteria for duel enrollment.

Individuals who have been out of high school for less than three years and are interested in nondegree enrollment will need to submit the following supporting documentation:

• Unofficial high school transcript showing a minimum GPA of 2.80, and graduation in the top 40% of the class
• Unofficial transcript from any college/university previously attended, showing a minimum GPA of 2.00
• Unofficial copy of SAT scores showing a minimum score of 1020 in Content Reading and Math

For more information, contact The Office of the Registrar at 610-436-3546 or email ugradnondegree@wcupa.edu

The University recognizes and awards credit for life-learning experience that can accelerate a student’s degree. The Office for Adult Studies advises students on how to earn college credit for their learning experience through three available options:

• Credit by Examination (contact the Registrar’s Office)
• Portfolio Development
• College Level Examination Program (CLEP)

Students may use any combination of these options and progress at their own pace.

For additional information, contact the Office of Graduate Studies and Extended Education (http://www.wcupa.edu/_ADMISSIONS/SCH_DGR/default.aspx) at 610-436-1009 or email adultsstudy@wcupa.edu.

High School Dual Enrollment

Dual Enrollment applicants must meet the following criteria and have said criteria confirmed by their high school principals:

1. The student must be a high school junior or senior. If the student is a sophomore, the student’s principal must submit a letter explaining the student’s readiness for college-level work.

2. The student must be making satisfactory progress toward fulfilling applicable secondary school graduation requirements, as determined by the school district.

3. The student must have scored at least 1250 on the PSSA Math or English test, or at least 50 on the PSAT Math or English test. If neither score is available, the student’s principal must provide a written explanation.

4. The student must demonstrate readiness for college-level coursework in the intended subject area of study and must be able to work independently.

5. The student must be mature enough to accept the freedom and responsibilities associated with classroom behavior expectations, interaction with college students, and exposure to the social and intellectual challenges of a college campus.

Applicants seeking duel 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/ussss/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/ussss/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 laws. 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 the Pre-Major Academic Advising Center, as well as other University offices including the Writing Center and the Office of Residence Life and Housing. In order to ensure continuity of service, 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. The policies and procedures used by the OSSD are contained in the West Chester University Handbook on Disabilities, which is available at the OSSD website, www.wcupa.edu/ussss/ossd/documents/RevisedADAhandbook.pdf.

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.

ADA Classroom Accommodations Appeals Procedure
Notification of Classroom Accommodations
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 associate 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.
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 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 associate provost or the graduate dean 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 associate 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 associate 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, 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’s cumulative GPA from the institution where the courses are taken is 2.00 or higher on a 4.00 grading scale. 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 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 students’ 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 prior to taking any courses off campus.

Transfer of Credit

Credit may be granted for equivalent courses completed at accredited institutions of higher education. Credit for work completed at an unaccredited institution may 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. 99)").

Grades of D or above are accepted for transfer when the student has a 2.00 overall GPA from the institution from which they are transferring, provided the transferred course does not satisfy a major or minor field requirement.

Grades in a course submitted for transfer as a major and/or minor program requirement must be the same or higher than 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 at minimum a B in the parallel course. If a student earns a lower grade than the requirement, the department may require the course to 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 grants 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 report.

**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 department for review. 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.

**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 information about the Advanced Placement Program, contact the College Board directly. For questions about West Chester University’s policy, see the Transfer Credit Center (http://wcupa.edu/registrar) 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. 87) section of this catalog.
- **Individualized Prior Learning Portfolio** – Students may choose to develop a portfolio as a means of demonstrating their competence in a particular course. The portfolio should include an extensive description of the student’s learning and how it aligns to 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 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) they wish to seek credit through Prior Learning Assessment.
- If the course sought is available through CLEP that becomes the only PLA 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/coed/professionaltestingcenter.asp).
- If the course sought is not available through CLEP, the student should contact the appropriate academic department to determine 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 Assessment 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 (18 semester hours)
  - English Composition
  - Mathematics
  - Public Speaking
- Science Requirements (6 semester hours)
- Behavioral and Social Science Requirements (6 semester hours)
- Humanities Requirements (6 semester hours)
- Arts Requirements (3 semester hours)
- Diverse Communities Requirements
- Interdisciplinary Requirements
- Writing Emphasis Requirements (9 semester hours)
- Language and Culture Requirements for Bachelor of Arts and Bachelor of Music Degrees and Certain B.S. Degree Candidates
- Language Culture Clusters

The 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, and
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 to schedule additional courses. 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.

Students in the Honors College should consult the Honors College page (p. 291) concerning general education requirements.

GENERAL EDUCATION REQUIREMENTS

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 credit hours required.

Course list

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.
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 ART 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.

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. Basic Design (2-D). 3 Credits.
Developing a visual vocabulary by experimenting with shape, space, light, color, and texture in a variety of media.
Gen Ed Attribute: Arts Distributive Requirement.
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 228. Digital Photography. 3 Credits.
A course dealing with the photographic process using a digital platform. The course will cover camera handling, computer software for image manipulation, photographic composition and presentation. Students are required to provide memory cards, storage media, printing, and presentation materials. A digital SLR is recommended but not required.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Fall & Spring.

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.

DAN

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 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 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 & Spring.

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

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, Schindorff, von Trotta, and Wenders. No knowledge of German required. Gen Ed Attribute: Arts Distributive Requirement, Foreign Language Cult. Cluster, Writing Emphasis.

ESP

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. 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. Gen Ed Attribute: Arts Distributive Requirement, Diversity Requirement, Foreign Language Cult. Cluster. Typically offered in Fall & Spring.

FLM

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

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.
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 210. Music History 1. 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 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 Fall & 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 prerequisite: SPA 301 and 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. Fulfills general education arts
requirement.
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. Fulfills general education
requirement.
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 credit hours 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.
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.
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.
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.

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.

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.

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.
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.
Distance education offering may be available.
Typically offered in Spring & Summer.

GEO 200. Global Cities. 3 Credits.
GE 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.
Distance education offering may be available.
Typically offered in Summer.
DIVERSE COMMUNITIES REQUIREMENT

Embracing the goal of graduating students who are committed to creating a just and equitable society, Diverse Community 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 community courses are indicated by a boxed “J” symbol 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 “T” 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.

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. Repeatable for Credit.

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. Gen Ed Attribute: Diversity Requirement, Humanities Distributive, Writing Emphasis. 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 world women’s literature from 800 B.C. to 1800. Readings are chosen from the works of Sappho, Aspasia, Diotima, Mutta, Auvaiyar, Sei Shonagon, Sule Sankavya, Murasaki, Hildegard, von Bingen, Mirabai, Marguerite de Navare, Phillis Wheatley, Apha Behn, Madame de Stael, Jane Austen, and Fanny Burney among others. Gen Ed Attribute: Diversity Requirement.

CLS 259. Women's Literature II. 3 Credits.

CLS 260. World Literature I. 3 Credits.

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.
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 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 with 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.

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 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 with EDA 341, EDR 341.

ENG

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 with 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, 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 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.
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 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 with CLS 335, ESP 335.

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.
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.

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 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 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 & Spring.

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.
Gen Ed Attribute: Diversity Requirement, Foreign Language Cult. Cluster. 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 with 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.

MHL

MHL 125. Perspectives in Jazz. 3 Credits.
Guided listening to improve understanding and enjoyment of jazz with emphasis on jazz traditions, 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 331 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.

NTD

NTD 200. Nutrition and Culture. 3 Credits.
The U.S. is becoming a pluralistic, diverse population whose food patterns are influenced by ethnic, religious, and regional groups. This course will provide an overview of world wide dietary patterns, examine various factors affecting individual and regional food choices, and discuss cultural and historical perspectives of dietary patterns. Course includes food sampling from different cultures.
Gen Ed Attribute: Diversity Requirement.
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, diverse communities course.
Gen Ed Attribute: Diversity Requirement, Humanities Distributive.
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.
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.**
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, psychology, 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, 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.**
Comparative analysis of contemporary Latin-American systems. Political cultures, decision making, ideologies, and political processes. Emphasis is on Mexico and Central America.
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 structualist 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.

**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: PSY449 requires prerequisite of PSY448.
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 prerequisite: SPA 301 and 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.
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 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 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: WOS310 requires prerequisite of WDS225 or WDS250.
Gen Ed Attribute: Diversity Requirement.
Distance education offering may be available.
Typically offered in Fall.
Repeatable for Credit.

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.
An interdisciplinary 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.

ENGLISH COMPOSITION REQUIREMENT

Six semester hours required. Policy for placement in English composition courses.

- Placement in the appropriate composition course is determined by the score on the SAT Writing Exam, combined ACT English/ Writing scores, or AP test scores.
  - If a student scores 620 or higher on his/her SAT, he/she does not have to take WRT 120.
  - Students who are placed in English (p. 242) Q20 may choose to take the Basic Writing Challenge Exam (administered by the Department of English (p. 242)) during the spring prior to the arrival of freshmen) to determine whether or not they are appropriately placed.
  - A student who places into and passes WRT 200 or above is not required to take WRT 120.
  - The student, however, must still complete a minimum of 120 credits to graduate.
  - The SAT scores used for placement are reviewed each year and adjusted at times to make sure writing placements are functioning to maximize student success at the University.
  - A student enrolled in ENG Q20 must pass with a grade of C- or better before he/she enrolls in WRT 120.

IMPORTANT: Credits earned in ENG Q20 are computed in the student's GPA. However, these credits will not be counted as part of the 120 college-level credits required for graduation. All students who do not place out of WRT 120 must take and pass WRT 120 as well as WRT 200 (or WRT 204, WRT 205, WRT 206, WRT 208, or WRT 220) to graduate, and no substitution of other courses satisfies this requirement.

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.

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: WRT200 requires a prerequisite of WRT120 or WRT 100 or SAT Writing Score greater than 610.
Gen Ed Attribute: English Composition.

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: WRT204 requires a prerequisite of WRT120 or WRT 100 or SAT Writing Score greater than 610.
Gen Ed Attribute: English Composition.

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: WRT205 requires a prerequisite of WRT120 or WRT 100 or SAT Writing Score greater than 610.
Gen Ed Attribute: English Composition.
Distance education offering may be available.

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 literary 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: WRT206 requires a prerequisite of WRT120 or WRT 100 or SAT Writing Score greater than 610.
Gen Ed Attribute: English Composition.
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 credit hours 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.
Gen Ed Attribute: Diversity Requirement, Humanities Distributive, Writing Emphasis.
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.
Gen Ed Attribute: Diversity Requirement, Humanities Distributive, Writing Emphasis.

CLS 261. World Literature II. 3 Credits.
A survey of world literary texts from 1600 to the present.
Gen Ed Attribute: Humanities Distributive, 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.
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.
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.
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.
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.
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.
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.

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.

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, 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.

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.

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 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.
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.
Typically offered in Fall, Spring & Summer.

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.
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, diverse communities course.
Gen Ed Attribute: Diversity Requirement, Humanities Distributive.
Typically offered in Fall, Spring & Summer.

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.
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.
Typically offered in Fall.

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.
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.
Typically offered in Spring.

PHI 282. Animal Ethics. 3 Credits.
An examination of the ethical implications of human treatment of animals, including arguments for vegetarian/veganism and animal activism.
Gen Ed Attribute: Humanities Distributive.
Typically offered in Fall.

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 a “T” designation in the course schedule. Approved interdisciplinary courses are indicated by the boxed “T” symbol in the catalog course 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.

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.

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.

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 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.

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.

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.
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 motivations 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.

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.

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: BIO 102, ENV 102, or ESS 102.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Fall & Spring.
Cross listed with SCB 102, ENV 102, ESS 102.

ERU
ERU 309. Russian Culture. 3 Credits.
(In English) An interdisciplinary 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.

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.

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 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.

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, ethic of conquest, evangelization, cartography, colonial science, changing views of humanity, and nature. Course includes a field trip and guest lecturers.
Gen Ed Attribute: Interdisciplinary Requirement.

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 BIO 102 or ENV 102 for credit.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Fall, Spring & Summer.
Cross listed with 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.
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.

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 religious and 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.

WEST CHESTER UNIVERSITY
INTERDISCIPLINARY REQUIREMENT
HIS 323. Austrian Civilization. 3 Credits.
An interdisciplinary study of Austrian civilization, 1848–1938. Emphasis is placed on fin-de-siècle Vienna, not only as its pivotal role in Austrian culture but also as a testing ground for modernism in the West.

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.
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.

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. Seminars are designed to be cross-disciplinary and to have a writing emphasis.
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. Seminars are designed to be cross-disciplinary and to have a writing emphasis.
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 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 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. Seminars are designed to be cross-disciplinary and to have a writing emphasis.
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. Seminars are designed to be cross-disciplinary and to have a writing emphasis.
Typically offered in Fall.
Repeatable for Credit.

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: Interdisciplinary Requirement.

LAN
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.

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 329. Medieval Women’s Culture. 3 Credits.
This is an interdisciplinary study of writings by medieval women and their contribution to the development of medieval culture.
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. This course counts toward the writing emphasis requirement.
Gen Ed Attribute: Interdisciplinary Requirement.

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. Fulfills the interdisciplinary requirement.
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 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: MHL301 Requires a prerequisite of MTC212 and MHL211 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.

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 
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.

PAX

PAX 300. 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 501. 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.
Gen Ed Attribute: Interdisciplinary Requirement. Typically offered in Fall.

PHI

PHI 102. Introduction to Religious Study. 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 with 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 
will focus on 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 
stable 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 BIO 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 with SCB 102, ENV 102, ESS 102.

SCB 210. The Origin of Life and the Universe. 3 Credits.
An interdisciplinary 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.
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 prerequisite of SOC 200.
Gen Ed Attribute: Interdisciplinary Requirement. Typically offered in Fall.

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. Geographical
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: Interdisciplinary Requirement.
Typically offered in Spring.

WOS 335. Gender, Race and Science. 3 Credits.
An interdisciplinary 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.
An interdisciplinary analysis of the lesbian experience and a study of the informing ideas of
lesbian studies. Approved interdisciplinary course.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Fall & Spring.

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.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Fall & Spring.
Cross listed with WOS 405, PHI 405.

LANGUAGE AND CULTURE REQUIREMENTS

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 Arts and Sciences, as well as the College of Business and
Public Affairs, 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
b. English
c. Languages and Cultures (p. 307) (in a second language)
d. History
e. Liberal Studies
f. Mathematics (p. 342) (limited to French, German, and
Russian)
g. Political Science (p. 399) (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

which have approved sets of associated culture cluster courses. It
is not necessary for students to complete the Elementary II (102)
level before taking culture cluster courses.

1. 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.)

2. Degree programs offering the culture cluster option are as follows:
a. Anthropology
b. Communication Studies (p. 210)
c. Communicative Disorders
d. Economics (p. 232) (B.A. only)
e. Geography (p. 257) (B.A. only)
f. Philosophy
g. Political Science (p. 399) (B.A. general and public
management only)
h. Psychology
i. Sociology
j. Theatre Arts

3. Some B.S. degree programs also require a language. Students
should see their advisers.

4. The Department of Languages and Cultures (p. 307) handles
testing and placement.

5. 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. 307).
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. 98)

d. Students should take note of the policies regarding taking courses out of sequence (p. 87).

**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. Students 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.

**Courses**

**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.


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.


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.


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.


Typically offered in Spring.

**ARH**

**ARH 382. Art of Greece and Rome. 3 Credits.**

The art and architecture of the Greeks, Etruscans, and Romans.


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.


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.


Typically offered in Fall & 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 Velázquez, Goya, Miró, Gaudí, Picasso, and Dalí.


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 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.


**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.


**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.


**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.

**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, yambú, and cuba; 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.


Typically offered in Fall.

**ECH**

**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.

**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.  

**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.  

**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.  

**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.  

**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.  

**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 Bildungsrroman. No knowledge of German required.  

**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.  

**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 406. 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.  

**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.  

**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.  
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.  

**ERU**

**ERU 309. Russian Culture. 3 Credits.**  
(In English) An interdisciplinary 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.  

**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. Culture cluster.  
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.  
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.  

**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 conquistadors 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 mixes (hybridism, syncretism), indigenismo, and the concept of identity in regional, national, ethnic, and gender matters.  
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 García Marquez, Clarice Lispector, Elena Poniatowska, and Luis Rafael Sanchez.
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.

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.
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 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.

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.
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 with CLS 335; ESP 335.

ESP 355. 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 relation to contemporary events and global relationships.
Typically offered in Fall.

GEO

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.
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.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

HIS

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.
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.
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.

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.

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.

HIS 322. 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.

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.
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.

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.
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.
Typically offered in 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.
Typically offered in Fall.

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.

HIS 435. European Intellectual History Since 1800. 3 Credits.
A cultural history of ideas in 19th- and early 20th-century Europe.

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.

KIN 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, legislature 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 requires: KIN 357 requires prerequisite: KIN or SPP 110.
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.
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.
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.
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.
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.
Typically offered in Spring.

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 requires: PHI 415 requires prerequisite of 2 PHI courses.
Typically offered in Fall.

PSC

PSC 340. Latin American Culture and Politics. 3 Credits.
Comparative analysis of contemporary Latin-American systems Political cultures, decision making, ideologies, and political processes. Emphasis is on Mexico and Central America.
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.

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.

SPP

SPP 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.
Cross listed with SPP 110, KIN 110.

SPP 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 requires: SPP111 requires prerequisite of SPP 110.
Cross listed with SPP 111, KIN 111.
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.
Typically offered in Fall, Spring & Summer.

SPK 230. Business and Professional Speech Communication. 3 Credits.
LAB, LEC.
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.

A wide 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.
Typically offered in Fall.

CHE

CHE 100. Concepts of Chemistry. 3 Credits.
LAB, LEC.
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.
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.
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.

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.

CSC

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.
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.
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.
Typically offered in Fall, Spring & Summer.

ESS

ESS 101. Introduction to Geology. 3 Credits.
LAB, LEC.
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.
Typically offered in Fall, Spring & Summer.

ESS 111. Other Worlds, Other Stars. 3 Credits.
An introductory, general education 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.
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.
Typically offered in Fall & Spring.

ESS 130. Our Coastal Ocean. 3 Credits.
LAB, LEC.
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.
Typically offered in Fall & Spring.

WEST CHESTER UNIVERSITY

1 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.
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.
Distance education offering may be available.
Typically offered in Fall & Spring.

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.
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.
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.
Typically offered in Spring.

PHY 130. General Physics I. 4 Credits.
LAB, LEC.
An introductory, noncalculus, physics course. Mechanics of solids and fluids, wave motion, heat and temperature, thermodynamics, and kinetic theory.
Gen Ed Attribute: Science Distributive.
Typically offered in Fall, Spring & Summer.

PHY 140. General Physics II. 4 Credits.
LAB, LEC.
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.
Typically offered in Fall, Spring & Summer.

PHY 170. Physics I. 4 Credits.
DIS, LAB, LEC.
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 prerequisite of MAT 161.
Gen Ed Attribute: Science Distributive.
Typically offered in Fall & Spring.

PHY 180. Physics II. 4 Credits.
DIS, LAB, LEC.
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.
Typically offered in Fall & Spring.

WRITING EMPHASIS REQUIREMENTS

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

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); and

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: Add consent.
Gen Ed Attribute: Writing Emphasis.
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 & Spring.

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.

WRITING EMPHASIS REQUIREMENTS

9 Semester Hours required.
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 Velázquez, Goya, Miro, Gaudi, Picasso, and Dali.
Typically offered in Fall & Spring.

ART
ART 112. Color Theory and Practice. 3 Credits.
Extensive study of color theory and its application to a variety of fine and industrial arts projects.
Pre / Co requisites: ART 112 requires prerequisite of ART 111.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

BIO
BIO 310. Biostatistical Applications. 3 Credits.
LAB, LEC.
The design, statistical analysis, graphical display and written presentation of biological research.
Pre / Co requisites: BIO 310 requires prerequisites of BIO 110 and MAT 121.
Gen Ed Attribute: Writing Emphasis.
Typically offered in 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 prerequisite of BIO 230.
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.
Gen Ed Attribute: Diversity Requirement, Humanities Distributive, Writing Emphasis.
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.
Gen Ed Attribute: Diversity Requirement, Humanities Distributive, Writing Emphasis.

CLS 261. World Literature II. 3 Credits.
A survey of world literary texts from 1600 to the present.
Gen Ed Attribute: Humanities Distributive, 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 363. Classical Greco Roman Mythology. 3 Credits.
A survey of Greek and Roman mythology from Homer to Ovid.

CLS 365. 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.

CLS 366. Literature and Film. 3 Credits.
The interrelationship between selected works of world fiction and their film adaptations.
Gen Ed Attribute: Writing Emphasis.

COM
COM 404. Rhetorical Theory and Criticism. 3 Credits.
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 special offers.
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 Fall & Spring.

COM 415. Language, Thought & Behavior. 3 Credits.
This course explores the relationship between language and behavior, including language in social, cultural, and cognitive contexts.
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 interpersonal interaction between friends, communication of differences, and the role of communication in the relationship.
Pre / Co requisites: COM 440 requires prerequisites of SPK 208 and COM 219 and COM 224.
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 role of family narratives in these communicative behaviors.
Pre / Co requisites: COM 445 requires prerequisite of COM 204, 219, 224 and SPK 208.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Spring.
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.
Gen Ed Attribute: Writing Emphasis.
Repeatable for Credit.

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.
Gen Ed Attribute: Writing Emphasis.
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.

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: Add consent.
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: Add consent.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall, Spring & Summer.
Repeatable for Credit.

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 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.

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.

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.
The Families and Special Education course is a writing emphasis course 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.

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.

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.
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. As a writing emphasis course, students will develop their writing abilities over the course of the semester.
Gen Ed Attribute: Writing Emphasis.

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 prerequisite EGP 209 and EGP 220 and field clearances.
Gen Ed Attribute: Writing Emphasis.

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: Add consent.
Gen Ed Attribute: Writing Emphasis.

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 Tropa, and Wenders. No knowledge of German required.

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 215. Views on Literacy. 3 Credits.
The historical and social contexts of English literacy. Emphasis on writing.

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 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. A writing emphasis course.
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 prerequisite of: ENG 295 and ENG 194 and, LIT 206 or ENG 296, and WRT 100 or WRT 120, and WRT 200 or 204 or 205 or 206 or 208 or 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) An interdisciplinary course designed to acquaint students with Russian culture and life in Russia today. No knowledge of Russian required.

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.

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: ESL 201 requires prerequisite of ESS 101.
Gen Ed Attribute: Writing Emphasis. Typically offered in Fall & Spring.

ESS 204. Historical Geology. 3 Credits.
LAB, LEC.
The geologic history of Earth inferred by analyzing and evaluating the geologic record of its physical and biological changes on local, regional, and global scales. Laboratory included.
Pre / Co requisites: ESS 204 requires prerequisite ESS 101.
Gen Ed Attribute: Writing Emphasis. Typically offered in Fall & Spring.

ESS 331. Introduction to Paleontology. 3 Credits.
LAB, LEC.
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. Repeatable for Credit.

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. Writing emphasis course.
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.

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.
Gen Ed Attribute: Writing Emphasis.

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 minimum GPA of 2.80 and Formal Admission to Teacher Education.
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 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 Formal Admission to Teacher Education. 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 473. Central Service Supply. 3 Credits.
A basic survey of the central service supply industry, including the history and development of the profession, administrative aspects of central supply, and the responsible role of the professional. Gen Ed Attribute: Writing Emphasis. Typically offered in Spring.

HEA 474. Resuscitation. 3 Credits.
Advanced cardiac life support and specific techniques for resuscitation. Gen Ed Attribute: Writing Emphasis.

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. Seminars are designed to be cross-disciplinary and to have a writing emphasis. Gen Ed Attribute: Interdisciplinary Requirement, Writing Emphasis. Typically offered in Spring.

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. Gen Ed Attribute: Interdisciplinary Requirement, Writing Emphasis. 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. Gen Ed Attribute: Interdisciplinary Requirement, Writing Emphasis. 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. Seminars are designed to be cross-disciplinary and to have a writing emphasis. Gen Ed Attribute: Interdisciplinary Requirement, Writing Emphasis. Typically offered in Spring.

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. Seminars are designed to be cross-disciplinary and to have a writing emphasis. Gen Ed Attribute: Interdisciplinary Requirement, Writing Emphasis. 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 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 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, Writing Emphasis.

LIT 202. Afro-American Literature I. 3 Credits.
Survey of African-American authors from the antebellum era through the first quarter of the 20th century. Gen Ed Attribute: Writing Emphasis.
LIT 203. Afro-American Literature II. 3 Credits.
Continuation of LIT 202. Second quarter of the 20th century to the present.
Gen Ed Attribute: Writing Emphasis.

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 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 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 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, Wadoski, and Kumin.
Gen Ed Attribute: Writing Emphasis.

LIT 302. Development of the American Novel. 3 Credits.
The novel in America from Dreiser to the present.
Gen Ed Attribute: Writing Emphasis.

LIT 306. Modern American Novel. 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.
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.
A critical consideration of the 18th-century writers, exclusive of the dramatists.
Gen Ed Attribute: Writing Emphasis.

LIT 337. Literature of the Enlightenment. 3 Credits.
The drama from the reopening of the theaters in 1660 to 1800.
Gen Ed Attribute: Writing Emphasis.

LIT 338. Restoration and 18th Century Drama. 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

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.
This course counts toward the writing emphasis requirement.
Typically offered in Fall & Spring.

MAT 354. Techniques of Teaching Secondary School Mathematics. 3 Credits.
Techniques used in the presentation of specific mathematical concepts, associated materials,
including methods for exceptional students; levels of questioning, and motivational devices.
Scope and sequence of secondary mathematics topics. Criteria for text evaluation. Preview of
student teaching.
Pre / Co requisites: MAT 354 requires prerequisites of MAT 350 and EDS 306 and formal
admission into teacher education.
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 & Summer.

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 prerequisite EDP200 and 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 & Summer.

MGT

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 GRT 200 (Majors only) and minimum 2.50
Cum GPA.
Gen Ed Attribute: Writing Emphasis.

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 prerequisites of MGT 313, MGT 321, MGT 341, MGT
431 and MIS 300 and minimum 2.50 Cum GPA.
Gen Ed Attribute: Writing Emphasis.

MGT 499. Business Policy and Strategy. 3 Credits.
A capstone course for all business majors, requiring students to integrate and apply
multidisciplinary knowledge and skills in actively formulating improved business strategies
and plans. Case method predominates. Written reports.
Pre / Co requisites: MGT 499 requires prerequisites of GRT 200 or MGT 300 and MKT 250 and
FIN 325, BLA 201 (Majors only) and minimum 2.50 Cum GPA.
Gen Ed Attribute: Writing Emphasis.
MHL

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.
Typically offered in Fall.

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 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 212. Nursing Theories and Concepts. 3 Credits.
Nursing theories and concepts, conceptual frameworks, theories from other disciplines that may apply to nursing, and the nursing process are studied in this course.
Pre / Co requisites: Nursing Majors - Undergraduate.
Gen Ed Attribute: Writing Emphasis.

NSG 311. Care of Childbearing Family & Community Based Care. 4 Credits.
The emphasis of this course is the childbearing family and individuals in various community settings. 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.
Pre / Co requisites: NSG 311 requires prerequisites of BIO 307 and co-requisite of NSL 311.
Nursing majors only.
Gen Ed Attribute: Writing Emphasis.
Distance education offering may be available.

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.
Repeatable for Credit.

NSG 412. Care of Communities & Individuals in Acute Care from a System's Perspective. 5 Credits.
Must be taken during senior year, spring semester. NSG 412 is a continuation of NSG 411 with the emphasis on the subconcepts of decision making and advocacy. The nursing process is utilized interdependently in approaching multihale health care problems of clients. Special attention is given to inquiry as the student correlates nursing theories and concepts with identifiable research problems in varied environments. Opportunity is provided in this semester to develop organization and management skills.
Pre / Co requisites: NSG 412 requires PREREQ NSG 311, NSL 311, NSG 312, NSL 312 and COREQ: NSL 412. Nursing majors only.
Gen Ed Attribute: Writing Emphasis.
Distance education offering may be available.

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 Prereq - requires BIO 100, BIO 259, 269, CHE 107 and CRL 107. Must have composite GPA of 2.75 in these prereq courses. CO REQ NSG 212.
Gen Ed Attribute: Writing Emphasis.

NSL 311. Laboratory. 5 Credits.
Clinical experience is 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 HEA 303 and NSG 212 and PSY 210 or HEA 206 and co-requisite of NSG 311.
Gen Ed Attribute: Writing Emphasis.
Distance education offering may be available.

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 Prerequisite: BIO 100, 204, 259, 269, NSG 212, NSL 212, NTD 303, PSY 100, SOC 200; CHE/CRL 103 and 104 OR CHE/CRL 107; HEA 206 or PSY 210; one of the following WRT courses: WRT 200, 204, 205, 206, 208, 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.
Typically offered in Fall.

PHI

PHI 102. Introduction to Religious Study. 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 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 with 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. 2 Credits.
A laboratory course to familiarize students with laboratory equipment and methods by performing a series of classical and modern physics experiments. The results of these are reported through both oral presentations and written reports.
Pre / Co requisites: PHY 310 requires co-requisite of PHY 240.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

PHY 320. Intermediate Physics Lab II. 2 Credits.
A continuation of PHY 310, but including an introduction to writing scientific proposals and the use of computers for data acquisition. Students are required to propose and complete an experiment of their own design as one part of this course.
Pre / Co requisites: PHY 320 requires prerequisites of PHY 310 and CSC 141.
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.
A chronological presentation of the development of the piano concerto emphasizing performance practices and problems.
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.

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.

PSY 376. Social Psychology Laboratory. 3 Credits.
Electronic and/or laboratory exercises in social psychology.
Pre / Co requisites: PSY 276 requires a prerequisite 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.
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: 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.
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.
Distance education offering may be available.
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.

SPP

SPP 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: SPP 106 requires prerequisite of SPP 101.
Gen Ed Attribute: Writing Emphasis.
Distance education offering may be available.

SPP 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: SPP 204 requires prerequisites of SPP 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.

SPP 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: SPP 350 requires prerequisites of SPP 329 and SPP 333.
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.
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 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: SWO495 requires prerequisite of SWO395 and co-requisite of SWO450.
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.

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: WOS310 requires prerequisite of WOS225 or WOS250.
Gen Ed Attribute: Diversity Requirement.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

WOS 310. Women and Activism. 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 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.

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 advisers 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 adviser are expected to consult with each other regularly. Under West Chester University's advising program, all students have faculty advisers, 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 the Pre-Major Academic Advising Center (http://www.wcupa.edu/ussss/PMAAC). Students need to meet with their advisers 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. 90)" and "Double Majors (p. 90)" 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 semester hours, 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.

2. Achievement of a cumulative grade point average (GPA) of at least 2.000 (C) and an average of at least 2.000 (C) in the major and minor. Some programs require a higher GPA.

3. At least 30 of the last 45 credits be earned at West Chester University. Additionally, 50% of the major/ minor must be completed at West Chester University, excluding cognate courses.

4. Fulfillment of any special requirements or program competencies that are particular to a department or college.

5. Fulfillment of all financial obligations to the University, including payment of the graduation fee, returning of University property, and all other obligations.

6. Compliance with all academic requests, including applying for graduation through myWCU (https://my.wcupa.edu) by the deadlines posted on the Office of the Registrar's website (http://wcupa.edu/registrar).

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.
### STUDENT AFFAIRS

#### 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 "Fees 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.

**Bookstore**

The Student Services, Inc. Bookstore is located on the ground floor of Sykes Student Union. The bookstore has new and used textbooks for all WCU courses, with select courses offering a digital and textbook rental program. Textbooks may be purchased in the store or on the store’s website www.wcubookstore.com (http://www.wcubookstore.com/home.aspx). The SSI Bookstore also stocks best sellers and a wide selection of reference books, as well as study and teacher aids. The bookstore offers various course required school and art supplies. SSI Bookstore offers a complete line of official WCU imprinted clothing and an array of gifts that can be purchased on the store’s website. Greeting cards, snacks, soft and energy drinks, health and beauty aids and laundry supplies are also available in the bookstore. Services offered include special orders for computer software and general interest books (at no extra cost), UPS and USPS shipping, and daily book buybacks. All major credit cards, Ram Bucks and personal checks, accompanied by a valid ID, are accepted. The bookstore hours are as follows:

- **Monday - Thursday, 8 a.m. - 6 p.m.**
- **Friday, 8 a.m. - 4 p.m.**
- **Saturday, 11 a.m. - 3 p.m.** (hours are subject to change).

For additional convenience, the store offers extended operating hours at the beginning of each semester. For more information call 610-436-BOOK or visit the website at www.wcubookstore.com (http://www.wcubookstore.com/).

Visit our new location in the town of West Chester. The Ram Shop, at 134 N. High Street, offers a boutique atmosphere and specialized customer service. Also visit the Ram Shop website at www.wcuramshop.com (https://wcuramshop.com).

**Campus Recreation**

The Department of Campus Recreation offers a variety of recreational activities promoting health, fitness, and wellness. Offices are located in the Student Recreation Center, which opened in 2012, at the corner of North Campus Drive and South New Street.

The Student Recreation Center is the site for several intramural sports and sport club events as well as a venue for open recreation - a time for students to just stop by to play "pick-up" games. Throughout each week, a variety of group fitness classes and fitness programs are offered for all students and members. Additional programs include small group and personal training, rock wall games, and special one-day recreational events.

The building itself features state-of-the-art fitness equipment; an elevated three-lane walking/jogging track; two gyms for basketball, badminton, and volleyball; a multiactivity court for indoor soccer, floor/roller/field hockey, basketball, volleyball, and tennis; three fitness studios; two assessment rooms for personal training; racquetball/squash courts; a three-story climbing wall; a cafe; and a social lounge.

With more than 100 student employees, the Department of Campus Recreation offers employment opportunities to both undergraduate and graduate students within each program it sponsors.

Additional information can be found by visiting www.wcupa.edu/campusrec/, or by contacting the Department of Campus Recreation at 610-436-2131.

**Career Development Center**

The staff of the Twardowski Career Development Center 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. These services are available throughout the entire calendar year in Lawrence Center, second floor. A career information library is available for browsing and research; graduate school reference material is maintained for students considering graduate school. Other activities of the Twardowski Career Development Center include special events and programs, on-campus interviews and job fairs with potential employers, resume-writing assistance, mock interviews, an electronic resume database, and a job vacancy/database system.

Additional information is available at www.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/_services/stu.greeklife) coordinates West Chester University’s fraternity and sorority community, comprising 1,700 students and 30 (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.lit/mailservice.asp, 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 RAMCARD, 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, 610-436-2955, is located in 259 Sykes Student Union.

**Sykes Student Union Building**

The Earl F. Sykes Student Union first opened in 1975 as the community center for West Chester University. Major renovations and
The Women's Center

610-436-2122.

including opportunities for student volunteers, internships, women and their male allies by providing

University. The Women's Center serves the diverse needs of WCU equality, and intellectual advancement of women at West Chester

The Women's Center

involvement, Off-Campus and Commuter Services, and LGBTQQA Services. The Student Services, Inc. Business Office and Student Activities department, along with student clubs and organizations, are also located on the second floor.

The second floor houses the Student Affairs offices of the Vice President, Assistant Vice President, Judicial Affairs and Student Assistance, Fraternity and Sorority Life, Student Leadership and Involvement, Off-Campus and Commuter Services, and LGBTQQA Services. The Student Services, Inc. Business Office and Student Activities department, along with student clubs and organizations, are also located on the second floor.

The third floor penthouse features a 22-unit computer lab, the Frederick Douglass study lounge, and seminar space. Sykes Union also located on the second floor.

Involvement, Off-Campus and Commuter Services, and LGBTQQA Services. The Student Services, Inc. Business Office and Student Activities department, along with student clubs and organizations, are also located on the second floor.

For information concerning Sykes Student Union, call the Information Center at 610-436-3360/2984.

Women's Center

The Women's Center (http://www.wcupa.edu/_services/stu.wce/default.asp) promotes a campus community that values the safety, equality, and intellectual advancement of women at West Chester University. The Women's Center serves the diverse needs of WCU women and their male allies by providing

• Confidential support, assistance, and safe space for WCU women in crisis;

• Educational programs that address a wide range of social-justice issues that affect the success, well-being, and empowerment of women worldwide;

• Leadership and volunteer opportunities for women that build confidence and enhance career goals;

• Information and referrals about issues that disproportionately impact women, such as sexual assault, relationship violence, sexual harassment, unplanned pregnancy, and disordered eating; and

• Special events, workshops, and training that promote awareness of the ways in which gender bias intersects with racism, classism, homophobia, and other forms of oppression.

The Women's Center (http://www.wcupa.edu/_services/stu.wce/default.asp) is located at 220 Lawrence Center. For more information, including opportunities for student volunteers, internships, and employment, visit www.wcupa.edu/womenscenter or call 610-436-2122.

COMMUTER STUDENTS

Off-Campus and Commuter Services

Off-Campus and Commuter Service's (http://www.wcupa.edu/_services/stu.occ/default.asp) mission is to meet the needs of the off-campus and commuter student population by providing a set of services and co-curricular programs. The office develops and supports programs that are appropriate for a diverse population of students, including traditional and non-traditional students.

In addition, the office:

• Provides Off-Campus Housing listings through www.places4students.com (http://www.places4students.com); • 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, and free STUDENT LEGAL AID; and

• 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 and Commuter Services (http://www.wcupa.edu/_services/stu.occ/default.asp), located in 238 Sykes Student Union, 610-436-2984.

Off-Campus Housing

Students who choose to live in the community must secure their own living accommodations. Off-Campus and Commuter Services will assist students in finding housing by providing up-to-date listings of available housing. These listings are available on the web at www.places4students.com (http://www.places4students.com). Additional information about living off campus can be found on the web at www.wcupa.edu/occrs/.

HEALTH & COUNSELING SERVICES

INFORMATION

The Department of Counseling and Psychological Services

The Department of Counseling and Psychological Services (http://www.wcupa.edu/_SERVICES/stu.cou) (the Counseling Center) is located in Commonwealth Hall (610-436-2301). All currently enrolled undergraduate and graduate students may walk in for a brief triage assessment, 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, 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 his or her needs. Students may wish to 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 students who have experienced the death of a parent or family member, an examination of bad habits that block personal growth, eating disorders, and assertiveness training. An updated list of ongoing groups can be found on the Counseling Center’s web page (http://www.wcupa.edu/_SERVICES/stu.cou/services.asp).

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.

4. **Testing** may include psychological or 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/ussd) (OSSD) for off-campus sites.

5. **Consultation services** for staff and faculty are available on a limited basis. 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 individual. 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 WCU Judicial Sanctions.

**Student Health Services**

The University maintains a Student Health Center staffed by physicians, nurse practitioners, registered nurses, health educators, and a nutritionist. 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. Student Health Services also offers programs designed to enhance wellness, disease prevention, and health education.

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, nonathletic general physicals, and allergy injections
6. **Wellness promotion**, including general wellness, nutrition, and alcohol, tobacco, and other drugs (ATOD) education and resources
7. **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 LGBT community.

Student Health Services is located on the lower level of Commonwealth Hall. The Student Health Center phone number is 610-436-2509. The Wellness Education phone number is 610-436-3276.

**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/_services/stu.inf). 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.

**JUDICIAL AFFAIRS AND STUDENT ASSISTANCE**

Coordination of West Chester University’s judicial system is overseen by the director of Judicial Affairs and Student Assistance (http://www.wcupa.edu/_SERVICES/stu.jud). In accordance with the University’s Mission and Values Statements, the University is committed to providing a sound educational environment for intellectual pursuits.

Accordingly, a set of behavioral standards has been created to maintain a safe and secure campus environment.

The West Chester University Student Code of Conduct (http://www.wcupa.edu/_services/stu/RamsEyeView/CodeOfConduct.aspx), found 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; and
- 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 to comply with them; and
• recognize that their actions reflect on the entire University community.

The Office for Judicial Affairs and Student Assistance works collaboratively with administrators, faculty, staff, students, and community constituents to address student behavioral issues that impact the University community.

The Office of Judicial Affairs and Student Assistance provides assistance and support for students who are away from the campus for a minimum of three class days due to illness, personal or family emergencies. A note will be circulated to the student’s professors advising the professor of the absence. The student is also encouraged to contact his/her professors to make arrangements on any missed work when able. The Office for Judicial Affairs and Student Assistance is located in 238 Sykes Union, 610-436-3511.

NEW STUDENT PROGRAMS

The Office of New Student Programs (http://www.wcupa.edu/_services/stu.nsp/default.aspx) coordinates orientation and outreach programs for freshman (first-year), transfer, and non-traditional students. Orientation programs include summer, fall, and January sessions.

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 freshmen and for those students transferring with 59 credits or less.

New student outreach includes participation in Welcome Week, new student programming efforts, and Family Weekend. The New Student Program staff are available to serve as a resource and to help both incoming first-year, transfer, and non-traditional students make a successful transition to West Chester University.

The Office of New Student Programs (http://www.wcupa.edu/_services/stu.nsp/default.aspx) is located in 202 Lawrence Center, 610-436-3305.

PUBLIC SAFETY

Department of 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 www.wcupa.edu/dps/pdf/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://wcupa.edu/dps/crisisresponse.asp. (http://www.wcupa.edu/dps/emergency/EmergencyPreparedness.asp)

Emergency Alert Notification

http://www.wcupa.edu/dps/emergency/notificationsystems.asp

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

http://www.wcupa.edu/dps/emergency/weatheralert.asp

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/_SERVICES/stu.lif) 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/_services/stu.raleEyeView/codeOfConduct.aspx)," 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/_SERVICES/stu.lif) 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.wcuhousing.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/_services/stu.lif) makes the housing assignments for all students living in all University-owned housing. University Student Housing (http://www.wcuhousing.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/_services/stu.lif) 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 athttp://www.wcupa.edu/_services/stu.lif/.

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 oversees the Major Entertainment and Homecoming Weekend Committee and also serves as the co-coordinator for the Sykes After Dark (http://www.wcupa.edu/_services/stu.syk/afterdark) 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 270 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 www.wcupa.edu/involvement/. 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
strenghthening 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 gymnasmum, and a natatorium with two full-size swimming pools connected by a diving well. This center is surrounded by John A. Farrell Football Stadium, Serpico 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/_Services/stu.slv) 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 and Outreach and Partnerships Classifications 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/volunteer.

Alumni Association

The West Chester University Alumni Association (http://www.wcupalumni.org) 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 WCUAA also provides an Alumni Online Community with easy access to calendars, event registration, news, updates, and an alumni directory.

STUDENT ORGANIZATIONS

Each year, an updated “Directory of Student Organizations” is printed that includes the names, addresses, and telephone numbers of all presidents and advisers of more than 260 campus student organizations. For a comprehensive description of WCU student organizations, refer to http://wcu.orgsync.com/ 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 2013–2014 academic year:

Student Governing Organizations

Black and Latino Greek Council
Graduate Student Association
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
Art Club
Athletic Training Club
Chinese Club
Collegiate DECA
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 Club
German Club
Graduate Social Work Student Association
History Club
Honors Student Association
Institute of Management Accountants
Italian Club
Linguistics Club
National Association of Black Accountants
National Council of Teachers of English
National Student Speech, Hearing and Language Association
Pharmaceutical Product Development Club
Philosophy Club
Philosophy Graduate Student Association
Political Science Club
Pre-Law Society
Pre-Med Club
Psychology Club
Public Relations Student Society of America (PRSSA)
Rhetoric Society of America
Russian Club
Social Work Club
Society ofPhysics Students
Sociology Club–Delta Alpha Tau
Spanish Club
Student Dietetic Association
Students in Communication
Student Nurses’ Association of Pennsylvania (SNAP)
Student Pennsylvania State Education Association, WCU
University Avenue Math Club
University Dance Company
University Theatre
Women in Science

Special Interest Organizations
Active Minds
Animal Behavior Club
Anime Club
Arabic Club
Astronomy Club
BODY Peace (Be One Desired You)
Campus Recreation Club
Chess Club
Creative Writing Club
ENACTUS
Feel Good, WCU
Ga-Ga Club
Homecoming
Improv Club
KSTAN Bollywood Dance Club
LEAD (Leadership, Empowerment, and Development)
Major Entertainment
Net Impact
Photography Club
Poesis
Poise Beauty Club
Precise
Public Health Club
Purple and Gold Club
SlowFood, WCU
Student Activities Council
Students Actively Moving Forward (SAMF)
Student Athletic Advisory Committee
Student Veterans of America, WCU
Tai Chi Club
Urban Dance Club
Video Came Club

Social Equity/Diversity
AFRISA (African Student Alliance)
Asian Student Association
Association for Women’s Empowerment
Black Men United
Black Student Union
C.A.L.Y.P.S.O.
Hillel Jewish Student Union
INDO (Indo-American Association)
LASO (Latino American Student Organization)
LGBTQQA (Lesbian, Gay, Bisexual, Transgender, Queer, Questioning, and Ally)
Sisters United

Political/Activism
College Democrats
College Republicans
EARTH (Environmental Association for Repairing the Habitat)
Students for a Sensible Drug Policy
Students for Liberty

Religious Organizations
CRU
Catholic Newman Student Association/Center
CrossSeekers
Gospel Choir Ministries
Hillel Jewish Student Union
Impact Movement
International Justice Mission
Lutheran Student Association
Muslim Student Association
Young Life

Service Organizations
The Abbe Society
Alpha Phi Omega
Autism Speaks
Best Buddies
Bringing Hope Home
Circle K Club
Colleges Against Cancer
Emergency Medical Services
Friars’ Society
Habitat for Humanity
Phi Sigma Pi
Rotaract
Student Outreach to Urban Schools
University Ambassadors

Greek Letter Organizations
Inter-Greek Council
Sister-to-Sister Peer Mentor Program
Fraternities
Alpha Epsilon Pi
Alpha Phi Alpha
Delta Chi
Kappa Alpha Psi
Kappa Delta Rho
Lambda Alpha Upsilon
Phi Gamma Delta
Pi Kappa Alpha
Pi Kappa Phi
Sigma Alpha Epsilon
Sigma Lambda Beta
Sigma Phi Epsilon
Sigma Pi
Sororities
Alpha Delta Pi
Alpha Kappa Alpha
Alpha Phi
Alpha Sigma Alpha
Alpha Sigma Tau
Alpha Xi Delta
Chi Upsilon Sigma
Delta Phi Epsilon
Delta Zeta
Phi Mu
Phi Sigma Sigma
Sigma Gamma Rho
Sigma Lambda Gamma (Eminence)
Zeta Phi Beta
Zeta Tau Alpha

Publications and Media Organizations

Daedalus
Media Advisory Board
The Quad
The Serpentine
WCUTV 5–West Chester University Television
WCUR–West Chester University Radio

Sports Clubs

Bowling Club
Dance Team
Equestrian
Fencing
Field Hockey
Fishing Club
Ice Hockey–Men
Ice Hockey–Women
Lacrosse–Men
Lacrosse–Women
Outdoor Club
Roller Hockey–Men
Rugby–Men
Shotokan Karate
Ski and Snowboard Club
Slackline Society
Soccer–Men
Soccer–Women
Swim Club
Ultimate Frisbee Club - Men
Ultimate Frisbee Club - Women
Volleyball–Men
Volleyball–Women
Water Polo–Men
Water Polo–Women
Wrestling

Musical Organizations

American Choral Directors Association
American String Teachers Association
Brass Ensemble
Cantari Donné
Cello Ensemble
Chamber Choir
Chamber Winds Ensemble
Collegium Musicum
Concert Band
Concert Choir
Criterions Jazz Ensemble
Flute Ensemble
GraceNotes
Guitar Ensemble
High Street Harmonix
Kappa Kappa Psi
Marching Band–“Golden Rams”
Mastersingers
Men’s Chorus
Music Teachers National Association (MTNA)
Now Music Society
Opera Theatre Ensemble
PA collegiate Music Educators Association
Percussion Ensemble
Phi Mu Alpha Sinfonia
SIGMA (Swope Inter-Greek Music Association)
Sigma Alpha Iota
Statesman Jazz Ensemble

Suspensions
Swope Ensemble Association
Symphonic Band
Symphony Orchestra
Tau Beta Sigma
Trumpet Ensemble
Under a Rest Co-Ed A Capella
Wind Ensemble
Women’s Choir

Honor Societies

Academic Development Program–Chi Alpha Epsilon
Accounting–Beta Alpha Psi
Anthropology - Lambda Alpha
Communication Studies–Pi Kappa Delta
Communications–Lambda Pi Eta
Counseling–Chi Sigma Iota
Criminal Justice–Alpha Phi Sigma
Economics–Omicron Delta Epsilon
Education–Kappa Delta Pi
English–Sigma Tau Delta
Foreign Languages–Alpha Mu Gamma
Fraternal Values Society
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 Omega
Management–Sigma Iota Epsilon
Mathematical Sciences–Pi Mu Epsilon
Music–Pi Kappa Lambda
Nursing–Sigma Theta Tau
Physics–Sigma Pi Sigma
Political Science–Pi Sigma Alpha
Psychology–Psi Chi
Social Science–Pi Gamma Mu
Social Work–Phi Alpha
Sociology–Alpha Kappa Delta
Students with Disabilities–Delta Alpha Pi

TRANSPORTATION

Bus Transportation on Campus

The University provides bus service from North to South Campus (and return) during the spring and fall seminars. 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/driver’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 information regarding motor vehicles and registration, refer to the Motor Vehicle Regulations pamphlet available at Public Safety or on the Department of Public Safety (http://www.wcupa.edu/dps) website.
INTERNATIONAL STUDENTS

The Center for International Programs (http://www.wcupa.edu/international/internationalStudents.aspx) (CIP) mission is to advance internationalization at West Chester University and acts as the hub for all global initiatives and programs at West Chester University. The office provides guidance and assistance to international students and exchange visitors from more than 50 countries, faculty developing their own faculty-led, education-abroad programs, and all students seeking opportunities to study or conduct an internship abroad. It maintains certification from the Student and Exchange Visitor Program (SEVP) to issue immigration documents leading to F and J visas. The CIP is located at Mitchell Hall, 3rd Floor South. More information is available by calling 610-436-3515 or e-mailing international@wcupa.edu.
DEPARTMENT OF ACCOUNTING

College of Business & Public Affairs
- College of Business and Public Affairs
- 309 Anderson Hall
- 610-436-3460
- Department of Accounting (http://www.wcupa.edu/_academics/sch_sba/accounting/default.asp)
- Lori R. Fuller (lfuller@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 competently 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:

- understand basic accounting concepts;
- critically analyze accounting problems and develop solutions;
- use quantitative methods and technology to analyze accounting problems;
- effectively communicate information of an accounting nature through written and oral presentation;
- effectively interact with others as part of a team;
- understand the importance of ethical decision making in accounting; and
- 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

Major in Accounting
- B.S. in Accounting (p. 142)

Minor in Accounting
- Accounting (p. 144)

Graduate Opportunities

See the graduate catalog for more information on the Master of Business Administration program. (http://catalog.wcupa.edu/graduate/business-public-affairs/business-administration)

Policies

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 107 and MAT 108 with a C or better required in at least one of them. If a student is placed directly into MAT 108 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 107 (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 Minor Policies

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.

Other Policies

- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

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 (lfuller@wcupa.edu) (2009)
Chairperson, Accounting
B.B.A., University of Oklahoma; Ph.D., Arizona State University
Sandra M. Tomkowicz (stomkowicz@wcupa.edu) (1993)
Director, Pre-Law Program
B.S., La Salle University; J.D., University of Pennsylvania

Associate Professors

Kevin E. Flynn (kflynn@wcupa.edu) (1998)
M.S., Drexel University
Brian Halsey (bhalsey@wcupa.edu) (2010)
B.A., Shippensburg University; J.D., Widener University School of Law; L.L.M., Villanova University School of Law
Peter Oehlers (poehlers@wcupa.edu) (2004)
B.S., Rowan University; M.B.A., Drexel University; D.B.A., Louisiana Tech University

Assistant Professor

Richard Barndt (rbarndt@wcupa.edu) (2010)
B.S., M.B.A., La Salle 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.

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.
Typically offered in Fall.

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.

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.

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.

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.

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.

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.

ACC 399. Transfer Elective Upper Level. 1-10 Credits.
Transfer Elective Upper Level.
Repeatable for Credit.

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: Add consent.
Typically offered in Fall.
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.

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.

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.

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.
Typically offered in Fall.

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: Add consent.
Gen Ed Attribute: Writing Emphasis.
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 cum GPA 2.50 or permission of instructor.

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.

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: BLA302 requires prerequisite of BLA201.
Distance education offering may be available.

INB

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.

B.S. IN ACCOUNTING

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)
### Academic Foundations requirements

- **12 credits**
  - English Composition (6 credits)
  - Math (3 credits)
  - Select one of the following:
    - MAT 105: Algebra, Functions, and Trigonometry
    - MAT 107: Algebra and Functions
    - MAT 108: Brief Calculus
    - MAT 110: Precalculus
    - MAT 161: Calculus

### Public Speaking (3 credits)

- SPK 208: Public Speaking
- or SPK 230: Business and Professional Speech Communication

### Behavioral & Social Science requirements - 6 credits

- ECO 111: Principles of Economics (Macro)

### Science requirements - 6 credits

- PHI 101: Introduction to Philosophy
- PHI 150: Critical Thinking and Problem Solving
- PHI 180: Introduction to Ethics

### Humanities requirements - 6 credits

- Arts requirement - 3 credits
- Diverse Communities requirement - 3 credits
- Interdisciplinary requirement - 3 credits
- Student electives - 9 credits

### Additional Baccalaureate Requirements

- Writing Emphasis requirements - 9 credits

### Major Requirements

- ACC 201: Financial Accounting
- ACC 202: Managerial Accounting
- ACC 301: Intermediate Accounting I
- ACC 302: Intermediate Accounting II
- ACC 303: Cost Accounting
- ACC 305: Intermediate Accounting III
- ACC 320: Accounting Information Systems
- ACC 401: Auditing
- ACC 403: Federal Taxation I
- ACC 404: Federal Taxation II
- ACC 405: Advanced Accounting
- ACC 407: Not-For-Profit & Governmental Accounting
- BLA 201: Legal Environment of Business
- ECO 112: Principles of Economics (Micro)
- ECO 251: Quantitative Business Analysis I
- ECO 252: Quantitative Business Analysis II
- FIN 325: Corporate Finance
- MGT 200: Principles of Management
- MGT 313: Business and Society
- MGT 341: Production and Operations Management
- MGT 499: Business Policy and Strategy
- MKT 250: Principles of Marketing

### Related/Cognate Requirements

- MAT 108 or MAT 161: Brief Calculus or Calculus I

### Student Electives - 3 credits

### Total Minimum Credits Required - 120 credits

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.

A minimum of 30 semester hours in business courses must be completed at West Chester University, with a minimum of 15 semester hours in 300-400 level ACC courses.

1. Course substitutions for MAT 107 are MAT 105 or MAT 110.
2. Course substitutions for MAT 108 are MAT 161 or MAT 162.

### Degree Progress

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; courses offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

### B.S. Accounting - Advising Guide

#### Effective for Students Entering Major Fall 2015 & After

<table>
<thead>
<tr>
<th>Year One</th>
<th>Semester One</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 201</td>
<td>Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 202</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 301</td>
<td>Intermediate Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACC 302</td>
<td>Intermediate Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>ACC 303</td>
<td>Cost Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 305</td>
<td>Intermediate Accounting III</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</td>
<td>3</td>
</tr>
<tr>
<td>ACC 403</td>
<td>Federal Taxation I</td>
<td>3</td>
</tr>
<tr>
<td>ACC 404</td>
<td>Federal Taxation II</td>
<td>3</td>
</tr>
<tr>
<td>ACC 405</td>
<td>Advanced Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 407</td>
<td>Not-For-Profit &amp; Governmental Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BLA 201</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>ECO 112</td>
<td>Principles of Economics (Micro)</td>
<td>3</td>
</tr>
<tr>
<td>ECO 251</td>
<td>Quantitative Business Analysis I</td>
<td>3</td>
</tr>
<tr>
<td>ECO 252</td>
<td>Quantitative Business Analysis II</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</td>
<td>3</td>
</tr>
<tr>
<td>MGT 313</td>
<td>Business and Society</td>
<td>3</td>
</tr>
<tr>
<td>MGT 341</td>
<td>Production and Operations Management</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</td>
<td>3</td>
</tr>
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<table>
<thead>
<tr>
<th>Year Two</th>
<th>Semester Three</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 201</td>
<td>Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BLA 201</td>
<td>Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>ECO 112</td>
<td>Principles of Economics (Micro)</td>
<td>3</td>
</tr>
<tr>
<td>MKT 250</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>ECO 251</td>
<td>Quantitative Business Analysis I</td>
<td>3</td>
</tr>
<tr>
<td>MGT 200</td>
<td>Principles of Management</td>
<td>3</td>
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<table>
<thead>
<tr>
<th>Year Three</th>
<th>Semester Five</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 301</td>
<td>Intermediate Accounting I</td>
<td>3</td>
</tr>
</tbody>
</table>

This program is designed for students entering the major in fall 2015 and after. Students are encouraged to consult with their academic advisor to ensure they are on track for graduation.
MINOR IN ACCOUNTING

ACC 320 Accounting Information Systems 3
MGT 313 (W) Business and Society 3
FIN 325 Corporate Finance 3
Interdisciplinary Elective (I) 3

Credits 15

Semester Six
ACC 302 Intermediate Accounting II 3
ACC 303 Cost Accounting I 3
ACC 407 Not-For-Profit Governmental Accounting 3
Diversity Elective (J) 3
Free Elective 3

Credits 15

Semester Seven
ACC 305 Intermediate Accounting III 3
ACC 403 Federal Taxation I 3
ACC 401 Auditing 3
MGT 341 Production and Operations Management 3
Free Elective 3

Credits 15

Semester Eight
MGT 499 (W) Business Policy and Strategy 3
ACC 404 Federal Taxation II 3
ACC 405 Advanced Accounting 3
Free Elective 3
Free Elective 3

Credits 15

• A minimum of 15 credit hours in 300- or 400- level ACC courses must be taken at WCU.
• A minimum of 30 credit hours in business courses must be taken at WCU.
• A minimum grade of C is required in all MAJOR AREA courses and the following:
  ECO 111 Principles of Economics (Macro) 3
  ECO 112 Principles of Economics (Micro) 3
  ACC 201 Financial Accounting 3
  ACC 202 Managerial Accounting 3
  ECO 251 Quantitative Business Analysis I 3
  ECO 252 Quantitative Business Analysis II 3
  BLA 201 Legal Environment of Business 3
  FIN 325 Corporate Finance 3
  MGT 200 Principles of Management 3
  MGT 313 Business and Society 3
  MGT 341 Production and Operations Management 3
  MGT 499 Business Policy and Strategy 3
  MKT 250 Principles of Marketing 3
  Select one of the following: 3
  MAT 107 Algebra and Functions
  MAT 105 Algebra, Functions, and Trigonometry
  MAT 110 Precalculus
  MAT 108 Brief Calculus
  MAT 161 Calculus I

Otherwise these courses must be repeated until the required minimum (e.g., a grade of C or better) is earned. See catalog for WCU’s repeat policy. Students must maintain a 2.5 overall GPA to register for 300 or 400 level business courses and to graduate.

1 Course substitution for MKT 250 is (Marketing Management).
2 Course substitutions for MAT 107 are MAT 105 or MAT 110.
3 Course substitutions for MAT 108 are MAT 161 or MAT 162.

MINOR IN ACCOUNTING
College of Business & Public Affairs
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
Select any two of the following: 6
ACC 300 Fraud Examination for Managers
ACC 302 Intermediate Accounting II
ACC 303 Cost Accounting I
ACC 305 Intermediate Accounting III
ACC 403 Federal Taxation I
ACC 404 Federal Taxation II
ACC 407 Not-For-Profit & Governmental Accounting

Total Credits 18

1 A minimum grade of C must be attained in each of these courses.
AFRICAN AMERICAN STUDIES PROGRAM

College of Arts & Sciences

432 Wayne Hall
610-436-2970

African American Studies (http://www.wcupa.edu/_academics/sch_cas/eth_stu/african.asp)
latonya thames-taylor (lthames-taylor@wcupa.edu), Coordinator

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

Minor in African American Studies

- African American Studies (p. 145)

Policies

- See undergraduate admissions information (p. 11).
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

Faculty

Associate Professor
Latonya Thames-Taylor (ltaylor@wcupa.edu) (2001)
Coordinator, African American Studies Program
B.A., Tougaloo College; M.A., Ph.D., University of Mississippi

MINOR IN AFRICAN AMERICAN STUDIES

College of Arts & Sciences

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 250</td>
<td>Intercultural Communication</td>
</tr>
<tr>
<td>HIS 373</td>
<td>African-American History</td>
</tr>
<tr>
<td>SWO 225</td>
<td>Race Relations</td>
</tr>
</tbody>
</table>

Electives

Select 9 semester hours 9

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.
AMERICAN STUDIES PROGRAM

College of Arts & Sciences
216 Main Hall
610-436-2201
College of Arts and Sciences, Interdisciplinary Programs (http://www.wcupa.edu/academics/sch_cas/departments_and_programs_interdisciplinary_programs.asp)
Steve Gimber, Coordinator

Students are introduced to a broad spectrum of American culture. An optional internship provides on-the-job experience.

Programs

Minor 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)

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 Professor
Steven Gimber (sgimber@wcupa.edu) (2007)
Coordinator, American Studies Program
B.A., Rowan University; M.A., University of Pennsylvania; Ph.D., American University

Assistant Professor
Jannieken 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 ‘Americanness’ of American institutions, thought, behavior, and material culture.
Gen Ed Attribute: Interdisciplinary Requirement.

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.
Cross listed with AMS 367, HIS 367.

AMS 371. Manhood in America. 3 Credits.
Examines American manhood from 1600 present. Focuses on intersections of class, race, and gender; relations between private and public spheres; changing men’s experiences over time.

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.

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 & Sciences

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

American History
HIS 151 History of the United States I (preferably) 3
or HIS 152 History of the United States II 3

American Literature
LIT 200 American Literature I (preferably) 3
or LIT 201 American Literature II 3

American Topics
One course from the arts, literature, or philosophy, and one course from history or social and behavioral sciences, or other courses approved by the adviser 6

Total Credits 18
The Department of Anthropology and Sociology offers two programs leading to the bachelor of arts degree.

- **The B.A. in Anthropology** focuses on human biological evolution; on the origin, development, and integration of human cultures; and on the interrelationship of biological and cultural factors in the etiology of human behavior.

- **The B.A. in Sociology** focuses on understanding the processes involved in the creation, maintenance, and evolution of social structure, and on the impact of diverse structural forms on individual behavior.

Majors in the two B.A. programs should consult the appropriate department handbook and their adviser 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.

Application for admission is made on forms available from the Office of the Registrar.

### Minor Programs

Students may minor in Anthropology or Sociology. A minimum of 18 semester hours is required. Elective courses are selected in consultation with the student's minor adviser. Students may take either of these minors as one of the minors in the B.A. liberal studies - arts and sciences or B.S. liberal studies - professional studies programs.

### Programs

#### Majors in Anthropology and Sociology

- B.A. in Anthropology (p. 150)
- B.A. in Sociology (p. 151)

#### Minors in Anthropology and Sociology

- Anthropology (p. 152)
- Sociology (p. 152)

#### Policies

- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

### Faculty

#### Professors

- Susan L. Johnston (sjohnston@wcupa.edu) (2001)  Chairperson, Anthropology and Sociology  B.A., University of Pennsylvania; B.S., Hahnemann University; Ph.D., University of Pennsylvania
- Douglas McConatha (dmcconatha@wcupa.edu) (1988)  B.S., University of Alabama; M.A., University of Atlanta; Ph.D., University of Utah; M.P.H., Yale University
- Paul Stoller (pstoller@wcupa.edu) (1980)  B.A., University of Pittsburgh; M.S., Georgetown University; Ph.D., University of Texas at Austin

### Associate Professors

- Valerian Desousa (vdesousa@wcupa.edu) (2008)  B.A., Bombay University; M.A., Xavier Labour Relations Institute (India); Ph.D., University of Illinois at Urbana-Champaign
- Bonita Freeman-Witthoft (bwitthoft@wcupa.edu) (1974)  Director, Ethnic Studies Program  B.A., University of Maine; M.A., Ph.D., University of Pennsylvania
- 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
- Lisa C. Ruchti (lrucht@wcupa.edu) (2007)  Director, Women's and Gender Studies  B.A., Bowling Green State University; M.A., University of Cincinnati; Ph.D., University of Pittsburgh
- Heather Wholey (hwholey@wcupa.edu) (2005)  B.A., State University of New York at Albany; M.A., Ph.D., Catholic University of America
- Jacqueline Zalewski (jzalewski@wcupa.edu) (2007)  B.A., University of Wisconsin-Parkside; M.A., Ph.D., Loyola University, Chicago

### Assistant Professors

- León Arredondo (larredondo@wcupa.edu) (2011)  B.A., Montclair State University; M.Phil., Ph.D., City University of New York
- Miguel Ceballos (mceballos@wcupa.edu) (2012)  B.A., University of California, Berkeley; M.A., University of Texas at Austin; M.S., Ph.D., University of Wisconsin-Madison
- Rebecca L. Chancellor (rchancell@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
- 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.
  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.
  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.
  Typically offered in Fall & Spring.

- **ANT 202. World Ethnology. 3 Credits.**
  Survey of the social organization, belief systems, and cultures of selected peoples.
  Pre / Co requisites: ANT 202 requires prerequisite of ANT 102.
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.
Typically offered in Spring.

**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: PSY100 or ANT101 or BIO 100 or BIO 110 or permission from instructor.
Typically offered in Fall & Spring.
Cross listed with 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 culture.
Pre / Co requisites: ANT 260 requires prerequisite of ANT 102.
Typically offered in Fall & Spring.

**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 prerequisite requires ANT 101 or permission of instructor.
Typically offered in Fall & Spring.

**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.
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.
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 Spring.

**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.
Repeatable for Credit.

**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 341. Social Organization. 3 Credits.**
Study of social groups, their structure, and functioning.
Pre / Co requisites: ANT 341 requires prerequisite of ANT 102.
Typically offered in Fall & Spring.

**ANT 344. Magic, Religion & Witchcraft. 3 Credits.**
An analysis of super naturalistic 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.
Repeatable for Credit.

**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 & Spring.

**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.
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 & Spring.

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 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 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: Add consent.
Typically offered in Fall, Spring & Summer.
Repeatable for Credit.

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 Spring.

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.

PSY

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: PSY100, or ANT101, or BIO 100, or BIO 110 or permission from instructor.
Cross listed with ANT 230, PSY 230.

SOC

SOC 200. Introduction to Sociology. 3 Credits.
Fundamentals of the sociological perspective on human behavior.
Gen Ed Attribute: Behavioral and Social Science.
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.
Distance education offering may be available.
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.
Pre / Co requisites: SOC 302 requires prerequisite of SOC 200.
Typically offered in Summer.

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 prerequisite of SOC 200.
Typically offered in Fall.

SOC 340. Sociology of Work. 3 Credits.
Survey of past and present types of work, trends in work structures, and the impact they have on experiences, norms, values, and inequality.
Pre / Co requisites: SOC 340 requires prerequisite of SOC 200.
Typically offered in Fall & 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 large-scale, formal organizations with emphasis on bureaucracy as the dominant form of social organization in the West.
Pre / Co requisites: SOC 343 requires prerequisite of SOC 200.
Typically offered in Fall & Spring.

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 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/WOS 366 Pre Req: requires SOC 200 or permission of instructor.
Typically offered in Fall.

**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 373. Sociology of Culture. 3 Credits.**
Analysis of the major social movements that have shaped the character and future of modern man.
Pre / Co requisites: SOC 360 requires prerequisite of SOC 200.
Typically offered in Spring.

**SOC 374. Social Problems. 3 Credits.**
Typically offered in Spring.

**SOC 375. 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 376. Deviance. 3 Credits.**
A sociological perspective on mental disorders.
Pre / Co requisites: SOC 350 requires prerequisite of SOC 200.
Typically offered in Fall & Spring.

**SOC 377. Clinical Sociology. 3 Credits.**
Analysis and evaluation of therapeutic applications of sociology in group and individual settings.
Pre / Co requisites: SOC 377 requires prerequisite of SOC 200.

**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 prerequisite 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. Career Internship in Sociology. 6 Credits.**
Field experience in agencies involved in social change.
Typically offered in 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 300.
Typically offered in Fall & 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: Add consent.
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: Add consent.
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.

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**B.A. IN ANTHROPOLOGY**

**Curriculum**

**General Education Requirements**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic Foundations requirement</td>
<td>12</td>
</tr>
<tr>
<td>English Composition (6 credits)</td>
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<tr>
<td>Mathematics (3 credits)</td>
<td></td>
</tr>
<tr>
<td>Public Speaking (3 credits)</td>
<td></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 requirement</td>
<td>6</td>
</tr>
<tr>
<td>Behavioral and Social Science requirement</td>
<td>6</td>
</tr>
<tr>
<td>SOC 200 Introduction to Sociology</td>
<td></td>
</tr>
<tr>
<td>Humanities requirement</td>
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<tr>
<td>Arts requirement</td>
<td>3</td>
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<tr>
<td>Student Electives</td>
<td>9</td>
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</tbody>
</table>

**Additional Baccalaureate Requirements**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Writing Emphasis requirement</td>
<td>9</td>
</tr>
<tr>
<td>Language &amp; Culture Requirement</td>
<td>3-15</td>
</tr>
</tbody>
</table>
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.

Major Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 101</td>
<td>Introduction to Anthropology: Biological</td>
<td>3</td>
</tr>
<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>
</tr>
</tbody>
</table>

Anthropology Electives

Select six courses in Anthropology 18

Related/Cognate Requirements 15

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIN 230</td>
<td>Introduction to Linguistics</td>
<td>3</td>
</tr>
</tbody>
</table>

Select additional courses outside of Anthropology approved by the student’s advisor 12-24

Total Minimum Credits Required 120

1 Anthropology majors must take SOC 200

Degree Progress

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; courses offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

Suggested Course Sequence (based on 4-year program taken at WCU)

Year One

<table>
<thead>
<tr>
<th>Semester One</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ANT 102</td>
<td>3</td>
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<tr>
<td>SOC 200</td>
<td>3</td>
</tr>
<tr>
<td>Language - appropriate level for student</td>
<td>3</td>
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<tr>
<td>WRT</td>
<td>3</td>
</tr>
<tr>
<td>MAT</td>
<td>3</td>
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<tr>
<td><strong>Credits</strong></td>
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Year Two

<table>
<thead>
<tr>
<th>Semester Three</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ANT 101 or 103</td>
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<tr>
<td>Language in sequence</td>
<td>3</td>
</tr>
<tr>
<td>General Education</td>
<td>3</td>
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<tr>
<td><strong>Credits</strong></td>
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Year Three

<table>
<thead>
<tr>
<th>Semester Four</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ANT elective</td>
<td>3</td>
</tr>
<tr>
<td>ANT elective</td>
<td>3</td>
</tr>
<tr>
<td>Language in sequence or culture cluster</td>
<td>3</td>
</tr>
<tr>
<td>General Education</td>
<td>6</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
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Year Four

<table>
<thead>
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<th>Semester Five</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ANT elective</td>
<td>3</td>
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<tr>
<td>ANT electives</td>
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</tr>
<tr>
<td>LIN 230</td>
<td>3</td>
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**Total Minimum Credits Required 120**

**Credits**

Semester Six

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>ANT 459</td>
<td>History of Ethnological Theory</td>
<td>3</td>
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<tr>
<td>ANT elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Cognate Course</td>
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<td></td>
</tr>
<tr>
<td>Cognate Course</td>
<td>3</td>
<td></td>
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<tr>
<td>Free elective</td>
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</tbody>
</table>

Year Four

<table>
<thead>
<tr>
<th>Semester Seven</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ANT elective</td>
<td>3</td>
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<tr>
<td>1-2 cognates as needed to complete 15 cr.</td>
<td>3-6</td>
</tr>
<tr>
<td>Free electives</td>
<td>6-9</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td><strong>12-18</strong></td>
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Year Five

<table>
<thead>
<tr>
<th>Semester Eight</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ANT 495</td>
<td>3</td>
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<tr>
<td>Free electives</td>
<td>12</td>
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</table>

**Credits**

B.A. IN SOCIOLOGY

Department of Sociology

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

Academic Foundations 18

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>English Composition</td>
<td>6 credits</td>
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</tr>
<tr>
<td>Mathematics (3 credits)</td>
<td>3</td>
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</tr>
<tr>
<td>Public Speaking (3 credits)</td>
<td>3</td>
<td></td>
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<tr>
<td>Diverse Communities requirement</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Interdisciplinary requirement</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Science requirement</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Behavioral and Social Science requirement</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>ANT 102</td>
<td>Introduction to Anthropology: Cultural</td>
<td>3</td>
</tr>
<tr>
<td>Humanities requirement</td>
<td>6</td>
<td></td>
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<tr>
<td>Arts requirement</td>
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<tr>
<td>Student Electives</td>
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Additional Baccalaureate Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Writing Emphasis</td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>

Language and Culture Requirement 3-15

- 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.

Major Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 200</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 300</td>
<td>Sociological Theory</td>
<td>3</td>
</tr>
<tr>
<td>SOC 321</td>
<td>Statistics in Sociological Research</td>
<td>3</td>
</tr>
<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 five non-sociology courses approved by the student’s adviser 15

Total Minimum Credits Required 120

1 Sociology majors must take ANT 102.
Degree Progress

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.

### Year One
#### Semester One
<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>SOC 200 Introduction to Sociology</td>
<td>3</td>
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<tr>
<td>ANT 102 Introduction to Anthropology: Cultural</td>
<td>3</td>
</tr>
<tr>
<td>Language - appropriate level for student</td>
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<tr>
<td>WRT</td>
<td>3</td>
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<tr>
<td>MAT</td>
<td>3</td>
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**Credits:** 15

#### Semester Two
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>SOC Elective</td>
<td>3</td>
</tr>
<tr>
<td>Language in sequence</td>
<td>3</td>
</tr>
<tr>
<td>General Education electives</td>
<td>9</td>
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</tbody>
</table>

**Credits:** 15

### Year Two
#### Semester Three
<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>SOC 300 Sociological Theory</td>
<td>3</td>
</tr>
<tr>
<td>SOC 322 Methods of Sociological Research</td>
<td>3</td>
</tr>
<tr>
<td>Language in sequence or Culture Cluster</td>
<td>3</td>
</tr>
<tr>
<td>General Education electives</td>
<td>6</td>
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</tbody>
</table>

**Credits:** 15

#### Semester Four
<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>SOC 321 Statistics in Sociological Research</td>
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<tr>
<td>SOC elective</td>
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<tr>
<td>Language in sequence or Culture Cluster</td>
<td>3</td>
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<tr>
<td>General Education electives</td>
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**Credits:** 15

### Year Three
#### Semester Five
<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>SOC elective</td>
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<tr>
<td>SOC elective</td>
<td>3</td>
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<tr>
<td>Career Prep</td>
<td>3</td>
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<tr>
<td>Final Language Culture Cluster (if relevant) or General Education elective</td>
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<tr>
<td>General Education elective</td>
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**Credits:** 15

#### Semester Six
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<th>Course</th>
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<tbody>
<tr>
<td>SOC elective</td>
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</tr>
<tr>
<td>Career prep</td>
<td>3</td>
</tr>
<tr>
<td>Career prep</td>
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<tr>
<td>General Education or free elective</td>
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**Credits:** 15

### Year Four
#### Semester Seven
<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>SOC elective</td>
<td>3</td>
</tr>
<tr>
<td>Career prep or General Education elective</td>
<td>3</td>
</tr>
<tr>
<td>General Education or free electives</td>
<td>9</td>
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</tbody>
</table>

**Credits:** 15

#### Semester Eight
<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>ANT 495 Senior Seminar in Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>General Education or free electives</td>
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**Credits:** 15

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1 Required Behavioral/Social Science Distributive

### MINOR IN ANTHROPOLOGY

**College of Arts & Sciences**

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ANT 102 Introduction to Anthropology: Cultural</td>
<td>3</td>
</tr>
<tr>
<td>ANT 101 Introduction to Anthropology: Biological</td>
<td>3</td>
</tr>
<tr>
<td>or ANT 103 Introduction to Anthropology: Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>Select one 400-level course in Anthropology</td>
<td>3</td>
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</tbody>
</table>

**Elective Courses**

Select three other courses in Anthropology | 9       |

**Total Credits:** 18

### MINOR IN SOCIOLOGY

**College of Arts & Sciences**

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>SOC 200 Introduction to Sociology</td>
<td>3</td>
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<tr>
<td>SOC 300 Sociological Theory</td>
<td>3</td>
</tr>
<tr>
<td>SOC 322 Methods of Sociological Research</td>
<td>3</td>
</tr>
</tbody>
</table>

**Elective Courses**

Select three other courses in Sociology | 9       |

**Total Credits:** 18
DEPARTMENT OF APPLIED MUSIC

College of Visual & Performing Arts

110 Swope Music Building (Office of the Dean)
610-436-2739
Department of Applied Music (http://www.wcupa.edu/cvpa/music/appliedMusic)

Dr. Christopher Hanning (channing@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

Major in Applied Music
  • B.M. in Performance (p. 170)

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 program. (http://catalog.wcupa.edu/graduate/visual-performing-arts/applied-music)

Policies

• See undergraduate admissions information. (p. 11)
• See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

Faculty

Professors

Robert M. Bedford (rbbedford@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

Henry Grabb (hgrabb@wcupa.edu) (1992)
B.A., University of Central Florida; M.M., Northwestern University of Illinois;
D.M., Florida State University

Chansong Hanning (channing@wcupa.edu) (1995)
Chairperson, Applied Music

B.A., B.A., University of South Florida; M.M., University of Akron;
D.M.A., University of Colorado

Associate Professors

Emily Bullock (ebullock@wcupa.edu) (2004)
Assistant Chairperson, Applied Music

B.M., University of Colorado; M.M., University of Tulsa; D.M.A., University of Colorado

Vincent A. Craig (vcraig@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

Jean-Christophe Dobrzalewski (jdobrzalew@wcupa.edu) (2008)
Diploma of Modern Languages, Numaz-Droz School (Switzerland);
Prix de Trompette, Conservatoire de Musique de Tuell-Malmaison (France); M.M., University of Maine; D.M.A., Arizona 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

Terry Klinefelter (tklinefelt@wcupa.edu) (2010)
B.S.Ed., M.M., West Chester University; M.M., Temple University;
D.M.A., Catholic University of America

Ovidiu Marinescu (omarinescu@wcupa.edu) (2003)
Music Bucharest Conservatory; M.M., University of Wisconsin;
D.M.A., Temple University

Kimberley Reighley (kreighley@wcupa.edu) (2005)

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

Andrew Yozviak (ayozviak@wcupa.edu) (2009)
B.S., West Chester University; M.M., Indiana University,
Bloomington; D.M.A., Rutgers University

Assistant Professors

Carol Isaacson Briselli (cbriselli@wcupa.edu) (1988)
B.A., State University of New York; M.M., Temple University

Daniel E. Cherry (dcherry@wcupa.edu) (2014)
B.M., Capital University; M.M., D.M.A., University of Cincinnati

John Fowler (jfowler@wcupa.edu) (2012)
B.M., University of Cincinnati College - Conservatory of Music;
M.M., Temple University; D.M.A., Rutgers University

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

Ryan M. Kelly (rckelly@wcupa.edu) (2013)
B.M., Houston Baptist University; M.M., University of Oklahoma;
D.M.A., Michigan State University

In Young Lee (ilee@wcupa.edu) (2009)
B.M., M.M., Seoul National University; M.M., D.M.A., Temple University

Glenn Lyons (glyons@wcupa.edu) (1984)
B.A., Harpur College; M. Mus., Peabody Conservatory of Music of Johns Hopkins 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

Peter Paulsen (ppaulsen@wcupa.edu) (1989)
B.M., West Chester University

Elizabeth L. Pfaffle (epfaffle@wcupa.edu) (2012)
B.A., B.M.Ed, Ohio State University; M.M., Akron University;
Mus.D., Indiana University

Patricia Powell (pnpowell@wcupa.edu) (2011)
Assistant Chairperson, Applied Music
B.M., University of Florida; M.A., Oxford University; M.M., University of Southern California
Igor Resnianski (iresnianski@wcupa.edu) (2011)
B.M., M.M., Novosibirsk Music College; Artist Diploma, Texas Christian University; D.M.A., Temple University
Randall Scarlata (rscarlata@wcupa.edu) (2003)
B.M., Rochester University, Eastman School of Music; M.M., The Juillard School
Ralph Sorrentino (rsorrentin@wcupa.edu) (2004)
B.M., B.S., West Chester University; M.M., Temple University

Instructors
David Cullen (dculen@wcupa.edu) (1993)
B.M., Hartford School of Music
Gloria Galante (ggalante@wcupa.edu) (1993)
B.S., West Chester 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.
Typically offered in Fall & Spring.
Repeatable for Credit.
AES 121. Percussion Ensemble. 0.5 Credits.
Contact department for more information about this course.
Typically offered in Fall & Spring.
Repeatable for Credit.
AES 131. String Ensemble. 0.5 Credits.
Contact department for more information about this course.
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.
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. 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.
AIC 312. Instrumental Conducting II. 2 Credits.
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.

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 332. String Literature I. 1 Credit.
Contact department for more information about this course.

ALC 333. String Literature II. 1 Credit.
Contact department for more information about this course.

ALC 334. String Literature III. 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. Students enrolled in AMF 251 must have successfully auditioned for one of WCU’s many performing ensembles. 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 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.
Contact department for more information about this course.

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.

BAR 271. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

BAR 272. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

BAR 301. Baritone Horn Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

BAR 302. Baritone Horn Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

BAR 311. Baritone Private Lesson. 1.5 Credit.
Contact department for more information about this course.
BAR 312. Baritone Private Lesson. 1.5 Credit.
Contact department for more information about this course.
BAR 341. Advanced Baritone Horn Lesson (B.A.). 3 Credits.
Contact department for more information about this course.
BAR 342. Advanced Baritone Private Lesson (B.A.). 3 Credits.
Contact department for more information about this course.
BAR 371. Private Lesson. 1.5 Credit.
Contact department for more information about this course.
BAR 372. Private Lesson. 1.5 Credit.
Contact department for more information about this course.
BAR 401. Baritone Horn Minor Private Lesson. 1 Credit.
Contact department for more information about this course.
BAR 402. Baritone Horn Minor Private Lesson. 1 Credit.
Contact department for more information about this course.
BAR 411. Baritone Private Lesson. 1.5 Credit.
Contact department for more information about this course.
BAR 412. Baritone Private Lesson. 1.5 Credit.
Contact department for more information about this course.
BAR 441. Advanced Baritone Horn Lesson (B.A.). 3 Credits.
Contact department for more information about this course.
BAR 442. Advanced Baritone Horn Lesson (B.A.). 3 Credits.
Contact department for more information about this course.
BAR 471. Private Lesson. 1.5 Credit.
Contact department for more information about this course.
BAR 472. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

BAS

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 171. Private Lesson. 1.5 Credit.
Contact department for more information about this course.
BAS 172. Private Lesson. 1.5 Credit.
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.
Contact department for more information about this course.
BAS 242. Advanced Bass Private Lesson (B.M.). 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. Bass Minor Private Lesson. 1 Credit.
Contact department for more information about this course.
BAS 302. Bass Minor Private Lesson. 1 Credit.
Contact department for more information about this course.
BAS 311. Bass Private Lesson. 1.5 Credit.
Contact department for more information about this course.
BAS 312. Bass Private Lesson. 1.5 Credit.
Contact department for more information about this course.
BAS 341. Advanced Bass Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.
BAS 342. Advanced Bass Private Lesson (B.M.). 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. 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

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 301. Mastersingers. 0.5 Credits.  
A chorus presenting oratorios, masses, and more difficult mixed choral literature. Open to all 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.  
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.  
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.  
Typically offered in Fall & Spring.  
Repeatable for Credit.

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.

CLT 242. Advanced Clarinet Private Lesson (B.M.). 3 Credits.  
Contact department for more information about this course.

CLT 271. Private Lesson. 1.5 Credit.  
Contact department for more information about this course.

CLT 272. Private Lesson. 1.5 Credit.  
Contact department for more information about this course.

CLT 301. Clarinet Minor Private Lesson. 1 Credit.  
Contact department for more information about this course.

CLT 302. Clarinet Minor Private Lesson. 1 Credit.  
Contact department for more information about this course.

CLT 311. Clarinet Private Lesson. 1.5 Credit.  
Contact department for more information about this course.

CLT 312. Clarinet Private Lesson. 1.5 Credit.  
Contact department for more information about this course.

CLT 341. Advanced Clarinet Private Lesson (B.M.). 3 Credits.  
Contact department for more information about this course.
FLU 272. Private Lesson. 1.5 Credit.  
Contact department for more information about this course.

FLU 271. Private Lesson. 1.5 Credit.  
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 211. Flute Private Lesson. 1.5 Credit.  
Contact department for more information about this course.

FLU 202. Flute Minor Private Lesson. 1 Credit.  
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FLU 172. Private Lesson. 1.5 Credit.  
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FLU 142. Advanced Flute Private Lesson (B.M.). 3 Credits.  
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FLU 112. Flute Private Lesson. 1.5 Credit.  
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FLU 111. Flute Private Lesson. 1.5 Credit.  
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FLU 102. Flute Minor Private Lesson. 1 Credit.  
Contact department for more information about this course.

FLU 101. Flute Minor Private Lesson. 1 Credit.  
Contact department for more information about this course.

CLT 472. Private Lesson. 1.5 Credit.  
Contact department for more information about this course.

CLT 471. Private Lesson. 1.5 Credit.  
Contact department for more information about this course.

CLT 442. Advanced Clarinet Priv Lesson (B.M.). 3 Credits.  
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CLT 441. Advanced Clarinet Priv Lesson (B.M.). 3 Credits.  
Contact department for more information about this course.

CLT 411. Clarinet Private Lesson. 1.5 Credit.  
Contact department for more information about this course.

CLT 412. Clarinet Private Lesson. 1.5 Credit.  
Contact department for more information about this course.

CLT 402. Clarinet Minor Private Lesson. 1 Credit.  
Contact department for more information about this course.

CLT 401. Clarinet Minor Private Lesson. 1 Credit.  
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FLU 472. Private Lesson. 1.5 Credit.  
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FLU 442. Advanced Flute Priv Lesson (B.M.). 3 Credits.  
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FLU 441. Advanced Flute Priv Lesson (B.M.). 3 Credits.  
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FLU 372. Private Lesson. 1.5 Credit.  
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FLU 371. Private Lesson. 1.5 Credit.  
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FLU 342. Advanced Flute Private Lesson (B.M.). 3 Credits.  
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FLU 341. Advanced Flute Private Lesson (B.M.). 3 Credits.  
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FLU 312. Flute Private Lesson. 1.5 Credit.  
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FLU 311. Flute Private Lesson. 1.5 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 301. Flute Minor Private Lesson. 1 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 240. Advanced French Horn Private Lesson (B.M.). 3 Credits.  
Contact department for more information about this course.

FRH 211. French Horn Private Lesson. 1.5 Credit.  
Contact department for more information about this course.

FRH 202. French Horn Private Lesson. 1 Credit.  
Contact department for more information about this course.

FRH 201. French Horn Private Lesson. 1 Credit.  
Contact department for more information about this course.

FRH 172. Private Lesson. 1.5 Credit.  
Contact department for more information about this course.

FRH 171. Private Lesson. 1.5 Credit.  
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FRH 142. Advanced French Horn Private Lesson (B.M.). 3 Credits.  
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FRH 141. Advanced French Horn Private Lesson (B.M.). 3 Credits.  
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FRH 112. French Horn Private Lesson. 1.5 Credit.  
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FRH 111. French Horn Private Lesson. 1.5 Credit.  
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FRH 102. French Horn Minor Private Lesson. 1 Credit.  
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FRH 101. French Horn Minor Private Lesson. 1 Credit.  
Contact department for more information about this course.

FRH 100. French Horn Minor Private Lesson. 1 Credit.  
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.
Contact department for more information about this course.
FRH 312. French Horn Private Lesson. 1.5 Credit.
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FRH 341. Advanced French Horn Private Lesson (B.M.). 3 Credits.
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FRH 342. Advanced French Horn Private Lesson (B.M.). 3 Credits.
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FRH 371. Private Lesson. 1.5 Credit.
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FRH 372. Private Lesson. 1.5 Credit.
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FRH 401. French Horn Minor Private Lesson. 1 Credit.
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FRH 402. French Horn Minor Private Lesson. 1 Credit.
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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 311. Guitar Private Lesson. 1.5 Credit.
Contact department for more information about this course.
GTR 312. Guitar Private Lesson. 1.5 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 442. 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.

HRP

HRP 101. Harp Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

HRP 102. Harp Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

HRP 111. Harp Private Lesson. 1.5 Credit.
Contact department for more information about this course.

HRP 112. Harp Private Lesson. 1.5 Credit.
Contact department for more information about this course.

HRP 141. Advanced Harp Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

HRP 142. Advanced Harp Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

HRP 171. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

HRP 172. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

HRP 201. Harp Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

HRP 202. Harp Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

HRP 211. Harp Private Lesson. 1.5 Credit.
Contact department for more information about this course.

HRP 212. Harp Private Lesson. 1.5 Credit.
Contact department for more information about this course.

HRP 241. Advanced Harp Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

HRP 242. Advanced Harp Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

HRP 271. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

HRP 272. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

HARP 301. Harp Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

HARP 302. Harp Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

HARP 311. Harp Private Lesson. 1.5 Credit.
Contact department for more information about this course.

HARP 312. Harp Private Lesson. 1.5 Credit.
Contact department for more information about this course.

HARP 341. Advanced Harp Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

HARP 342. Advanced Harp Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

HARP 371. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

HARP 372. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

HARP 401. Harp Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

HARP 402. Harp Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

HARP 411. Harp Private Lesson. 1.5 Credit.
Contact department for more information about this course.

HARP 412. Harp Private Lesson. 1.5 Credit.
Contact department for more information about this course.

HARP 441. Advanced Harp Priv Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

HARP 442. Advanced Harp Priv Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

HARP 471. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

HARP 472. Private Lesson. 1.5 Credit.
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.
OBO 102. Oboe Minor Private Lesson. 1 Credit.

OBO 101. Oboe Minor Private Lesson. 1 Credit.

OBO 102. Oboe Minor Private Lesson. 1 Credit.

OBO 111. Oboe Private Lesson. 1.5 Credit.

OBO 112. Oboe Private Lesson. 1.5 Credit.

OBO 141. Advanced Oboe Private Lesson (B.M.). 3 Credits.

OBO 142. Advanced Oboe Private Lesson (B.M.). 3 Credits.

OBO 171. Private Lesson. 1.5 Credit.

OBO 172. Private Lesson. 1.5 Credit.

OBO 201. Oboe Minor Private Lesson. 1 Credit.

OBO 202. Oboe Minor Private Lesson. 1 Credit.

OBO 211. Oboe Private Lesson. 1.5 Credit.

OBO 212. Oboe Private Lesson. 1.5 Credit.

OBO 241. Advanced Oboe Private Lesson (B.M.). 3 Credits.

OBO 242. Advanced Oboe Private Lesson (B.M.). 3 Credits.

OBO 271. Private Lesson. 1.5 Credit.

OBO 272. Private Lesson. 1.5 Credit.

OBO 301. Oboe Minor Private Lesson. 1 Credit.

OBO 302. Oboe Minor Private Lesson. 1 Credit.

OBO 311. Oboe Private Lesson. 1.5 Credit.

OBO 312. Oboe Private Lesson. 1.5 Credit.

OBO 341. Advanced Oboe Private Lesson (B.M.). 3 Credits.

OBO 342. Advanced Oboe Private Lesson (B.M.). 3 Credits.

OBO 371. Private Lesson. 1.5 Credit.

OBO 372. Private Lesson. 1.5 Credit.

OBO 401. Oboe Minor Private Lesson. 1 Credit.

OBO 402. Oboe Minor Private Lesson. 1 Credit.

OBO 411. Oboe Private Lesson. 1.5 Credit.

OBO 412. Oboe Private Lesson. 1.5 Credit.

OBO 441. Advanced Oboe Priv Lesson (B.M.). 3 Credits.

OBO 442. Advanced Oboe Priv Lesson (B.M.). 3 Credits.

OBO 471. Private Lesson. 1.5 Credit.

OBO 472. Private Lesson. 1.5 Credit.

ORG 101. Organ Minor Private Lesson. 1 Credit.

ORG 102. Organ Minor Private Lesson. 1 Credit.

ORG 111. Organ Private Lesson. 1.5 Credit.

ORG 112. Organ Private Lesson. 1.5 Credit.

ORG 141. Advanced Organ Private Lesson (B.M.). 3 Credits.

ORG 142. Advanced Organ Private Lesson (B.M.). 3 Credits.

ORG 171. Private Lesson. 1.5 Credit.

ORG 172. Private Lesson. 1.5 Credit.

ORG 201. Organ Minor Private Lesson. 1 Credit.

ORG 202. Organ Minor Private Lesson. 1 Credit.

ORG 211. Organ Private Lesson. 1.5 Credit.

ORG 212. Organ Private Lesson. 1.5 Credit.

ORG 241. Advanced Organ Private Lesson (B.M.). 3 Credits.

ORG 242. Advanced Organ Private Lesson (B.M.). 3 Credits.

ORG 271. Private Lesson. 1.5 Credit.

ORG 272. Private Lesson. 1.5 Credit.

ORG 301. Organ Minor Private Lesson. 1 Credit.
ORG 302. Organ Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

ORG 311. Organ Private Lesson. 1.5 Credit.
Contact department for more information about this course.

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.
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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.
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PER 171. Private Lesson. 1.5 Credit.
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PER 172. Private Lesson. 1.5 Credit.
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PER 201. Percussion Minor Private Lesson. 1 Credit.
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PER 202. Percussion Minor Private Lesson. 1 Credit.
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PER 211. Percussion Private Lesson. 1.5 Credit.
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PER 212. Percussion Private Lesson. 1.5 Credit.
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PER 241. Advanced Percussion Private Lesson (B.M.). 3 Credits.
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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.
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PER 272. Private Lesson. 1.5 Credit.
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PER 301. Percussion Minor Private Lesson. 1 Credit.
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PER 302. Percussion Minor Private Lesson. 1 Credit.
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PER 311. Percussion Private Lesson. 1.5 Credit.
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PER 312. Percussion Private Lesson. 1.5 Credit.
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PER 341. Advanced Percussion Private Lesson (B.M.). 3 Credits.
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PER 342. Advanced Percussion Private Lesson (B.M.). 3 Credits.
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PER 371. Private Lesson. 1.5 Credit.
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PER 372. Private Lesson. 1.5 Credit.
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PER 401. Percussion Minor Private Lesson. 1 Credit.
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PER 402. Percussion Minor Private Lesson. 1 Credit.
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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 Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

PER 442. Advanced Percussion Private 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 designed for the general
requirements. Not open to music majors.

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 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: Add consent.

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.
The Renaissance through development of variation form and dance suite. Performance
practices, ornamentation, and figured bass. In-depth study of works of Handel, Bach, and
Scarlatti. Some student performance required.
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. Albéniz, Rachmaninoff, Debussy, Ravel, Prokofiev, Hindemith, Schoenberg, Bartók, and American composers. Some student performance required.
Gen Ed Attribute: Writing Emphasis.

PIA 427. The Concerto. 3 Credits.
A chronological presentation of the development of the piano concerto emphasizing performance practices and problems.
Gen Ed Attribute: Writing Emphasis.

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 Keyboard Lesson. 2 Credits.
Contact department for more information about this course.

PIA 474. Advanced Keyboard Lesson. 2 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 456. Piano Tuning & Repair. 3 Credits.
Contact department for more information about this course.

PIA 457. Internship In Piano Tuning & Repair. 3 Credits.
Contact department for more information about this course.

PIA 458. 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 459. Piano Tuning & Repair. 3 Credits.
Contact department for more information about this course.

PIA 460. Internship In Piano Tuning & Repair. 3 Credits.
Contact department for more information about this course.

PIA 461. 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 462. 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.

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.

SAX 312. Saxophone Private Lesson. 1.5 Credit.
Contact department for more information about this course.

SAX 341. Advanced Saxophone Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

SAX 342. Advanced Saxophone Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

SAX 371. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

SAX 372. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

SAX 401. Saxophone Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

SAX 402. Saxophone Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

SAX 411. Saxophone Private Lesson. 1.5 Credit.
Contact department for more information about this course.

SAX 412. Saxophone Private Lesson. 1.5 Credit.
Contact department for more information about this course.
SAX 441. Advanced Saxophone Priv Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

SAX 442. Advanced Saxophone Priv Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

SAX 471. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

SAX 472. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

TBA

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.
Contact department for more information about this course.

TBA 112. Tuba Private Lesson. 1.5 Credit.
Contact department for more information about this course.

TBA 141. Advanced Tuba Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

TBA 142. Advanced Tuba Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

TBA 171. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

TBA 172. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

TBA 201. Tuba Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

TBA 202. Tuba Minor Private Lesson. 1 Credit.
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TBA 211. Tuba Private Lesson. 1.5 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.
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TBA 271. Private Lesson. 1.5 Credit.
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TBA 301. Tuba Minor Private Lesson. 1 Credit.
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TBA 412. Tuba Private Lesson. 1.5 Credit.
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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

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 141. Advanced Trumpet Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

TPT 142. Advanced Trumpet Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

TPT 171. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

TPT 172. 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.
Contact department for more information about this course.

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 301. Trumpet Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

TPT 302. Trumpet Minor Private Lesson. 1 Credit.
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TPT 311. Trumpet Private Lesson. 1.5 Credit.
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TPT 312. Trumpet Private Lesson. 1.5 Credit.
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TPT 472. Private Lesson. 1.5 Credit.
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TPT 471. Private Lesson. 1.5 Credit.
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TPT 412. Trumpet Private Lesson. 1.5 Credit.
Contact department for more information about this course.

TPT 402. Trumpet Private Lesson. 1 Credit.
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TPT 401. Trumpet Minor Private Lesson. 1 Credit.
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TPT 411. Trumpet Private Lesson. 1.5 Credit.
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TPT 442. Advanced Trumpet Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

TPT 441. Advanced Trumpet Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

VCL 212. Cello Private Lesson. 1.5 Credit.
Contact department for more information about this course.

VCL 211. Cello Private Lesson. 1.5 Credit.
Contact department for more information about this course.

VCL 172. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

VCL 171. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

VCL 142. Advanced Cello Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

VCL 141. Advanced Cello Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

VCL 112. Cello Private Lesson. 1.5 Credit.
Contact department for more information about this course.

VCL 111. Cello Private Lesson. 1.5 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 101. Cello Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

TRB 401. Trombone Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

TRB 402. Trombone Minor Private Lesson. 1 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 411. Trombone Private Lesson. 1.5 Credit.
Contact department for more information about this course.

TRB 402. Advanced Trombone Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

TRB 401. Advanced Trombone Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

TRB 302. Trombone Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

TRB 301. Trombone Minor Private Lesson. 1 Credit.
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TRB 312. Trombone Private Lesson. 1.5 Credit.
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TRB 311. Trombone Private Lesson. 1.5 Credit.
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TRB 310. Trombone Minor Private Lesson. 1 Credit.
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TRB 302. Trombone Minor Private Lesson. 1 Credit.
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TRB 301. Trombone Minor Private Lesson. 1 Credit.
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TRB 212. Trombone Private Lesson. 1.5 Credit.
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TRB 211. Cello Private Lesson. 1.5 Credit.
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TRB 210. Cello Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

TRB 202. Trombone Minor Private Lesson. 1 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 242. Advanced Trombone Private Lesson (B.M.). 3 Credits.
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TRB 241. 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 271. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

TRB 272. Private Lesson. 1.5 Credit.
Contact department for more information about this course.
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<th>Course Code</th>
<th>Course Title</th>
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</tbody>
</table>
VLN 141. Advanced Violin Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

VLN 142. Advanced Violin Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

VLN 171. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

VLN 172. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

VLN 201. Violin Minor Private Lesson. 1 Credit.
Contact department for more information about this course.

VLN 202. Violin Minor Private Lesson. 1 Credit.
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VLN 211. Violin Private Lesson. 1.5 Credit.
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VLN 212. Violin Private Lesson. 1.5 Credit.
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VLN 241. Advanced Violin Private Lesson (B.M.). 3 Credits.
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VLN 242. Advanced Violin Private Lesson (B.MUS.). 3 Credits.
Contact department for more information about this course.

VLN 271. Private Lesson. 1.5 Credit.
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VLN 272. Private Lesson. 1.5 Credit.
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VLN 341. Advanced Violin Private Lesson (B.M.). 3 Credits.
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VLN 342. Advanced Violin Private Lesson (B.M.). 3 Credits.
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VLN 442. Advanced Violin Priv Lesson (B.M.). 3 Credits.
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VLN 471. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

VLN 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 329. Art Song. 2 Credits.
Origins and development of the art song.

VOC 411. Master Class (Voice): Baroque Period. 1 Credit.
Contact department for more information about this course.

VOC 412. Master Class (Voice): German Lied. 1 Credit.
Contact department for more information about this course.

VOC 413. Master Class (Voice): French Melodie. 1 Credit.
Contact department for more information about this course.

VOC 414. Master Class (Voice): 20th Cent Art Song. 1 Credit.
Contact department for more information about this course.

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.
Consent: Add consent.
Typically offered in Fall & Spring.
Repeatable for Credit.

VOC 422. Musico-Dramatic Production. 1-3 Credits.
Major roles and/or major responsibilities in extended productions. By audition.
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.
B.M. IN PERFORMANCE

VOI 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.

VOI 491. Vocal Pedagogy. 2 Credits.
Principles and techniques of teaching voice.
Typically offered in Fall.

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 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.
Typically offered in 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.
Typically offered in Fall.

VOI 361. Voice Private Lesson. 1.5 Credit.
Contact department for more information about this course.

VOI 362. Voice Private Lesson. 1.5 Credit.
Contact department for more information about this course.

VOI 371. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

VOI 372. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

VOI 411. Voice Private Lesson. 1.5 Credit.
Contact department for more information about this course.

VOI 412. Voice Private Lesson. 1.5 Credit.
Contact department for more information about this course.

VOI 441. Advanced Voice Maj Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

VOI 442. Advanced Voice Maj Private Lesson (B.M.). 3 Credits.
Contact department for more information about this course.

VOI 471. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

VOI 472. Private Lesson. 1.5 Credit.
Contact department for more information about this course.

B.M. IN PERFORMANCE

College of Visual & Performing Arts

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)

<table>
<thead>
<tr>
<th>Academic Foundations requirements</th>
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<tbody>
<tr>
<td>English Composition (6 credits)</td>
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<tr>
<td>Math (3 credits)</td>
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</table>
Public Speaking (3 credits)

Science requirements 6
Behavioral & Social Science requirements 6
Humanities requirements 6
Arts requirement 6
Diverse Communities requirement 6
Interdisciplinary requirement 6
Student Electives 6

Additional Baccalaureate Requirements
Writing Emphasis requirements 9

Language Requirement (for vocal track only) 3
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 329 Art Song 2
VOC 411 Master Class (Voice): Baroque Period 1
VOC 412 Master Class (Voice): German Lied 1
VOC 413 Master Class (Voice): French Melodie 1
VOC 414 Master Class (Voice): 20th Cent Art Song 1
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:
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:
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
MAK 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:
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

For Organists
MAK 311 Master Class Keyboard 1
MAK 312 Master Class Keyboard 1
MAK 313 Master Class Keyboard 1
MAK 314 Master Class Keyboard 1
ORG 351 Organ Literature I 3
ORG 352 Organ Literature II 3
ORG 353 Organ Pedagogy 3
ORG 451 Accompanying 3
ORG 452 Service Playing 3

Total Credits 19

Degree Progress
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; courses offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

B.M. Music Performance: Instrument

Year One
Semester One Credits

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

MTC 112 Theory of Music I 3
MTC 114 Aural Activities I 2
MTC 115 Aural Activities II 2
MTC 116 Theory of Music III 3
MTC 117 Theory of Music IV 3
MTC 118 Aural Activities III 2
MTC 119 Aural Activities IV 2

Total Credits 13-15
## Major Band - AEB/AEO/AES

| Credits | 0.5-1 |

| PIA 191 | Piano Class (Minor) | 0.5 |
| WRT 120 | (General Effective Writing I Education Course) | 3 |

| General Education Course | 3 |

### Recital Attendance

### Credits

#### Semester Two

| MTC 113 | Theory of Music II | 3 |
| MTC 115 | Aural Activities II | 2 |
| Major Lessons | 142 | 3 |
| Major Band - AEB/AEO/AES | | 0.5 |
| PIA 192 | Piano Class (Minor) | 0.5 |
| General Education Course (Writing II) | | 3 |
| General Education Course | | 3 |

### Recital Attendance

#### Credits

#### Year Two

| MTC 212 | Theory of Music III | 3 |
| MTC 214 | Aural Activities III | 2 |
| MHL 210 | Music History I | 3 |
| Major Lessons | 241 | 3 |
| Minor Lessons | 101 | 1 |
| Major Band - AEB/AEO/AES | | 0.5-1 |
| PIA 291 | Piano class | 1 |
| General Education Course | | 3 |

### Recital Attendance

#### Credits

#### Semester Four

| MTC 213 | Theory of Music IV | 3 |
| MTC 215 | Aural Activities IV | 2 |
| MHL 211 | Music History II | 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 | | 3 |

### Recital Attendance

#### Credits

#### Year Three

| MTC 341 (fall only) | Orchestration | 3 |
| MHL 212 | Music History III | 3 |
| Major Lessons | 341 | 3 |
| Minor Lessons | 201 | 1 |
| Major Band - AEB/AEO/AES | | 0.5-1 |
| Small Ensemble - AES | | 0.5 |
| AIC 311 | Instrumental Conducting I | 2 |
| General Education Course | | 3 |

### Recital Attendance

#### Credits

#### Semester Six

| Counterpoint - MTC 34 | | 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 | | 6 |

### Recital Attendance

#### Credits

### Year Four

| MTC 113 | Theory of Music II | 3 |
| MTC 114 | Aural Activities I | 2 |
| Major Lessons | 141 | 3 |
| Major Ensemble - AEB/AEO/AES | | 0.5-1 |
| Small Ensemble - AES | | 0.5 |
| Music Literature I - ALC | | 2 |
| Music Elective(s) | | 6 |
| General Education Courses | | 3 |
| General Education Course | | 3 |

### Credits

#### Semester Seven

| Major Lessons | 441 | 3 |
| Major Ensemble - AEB/AEO/AES | | 0.5-1 |
| Small Ensemble - AES | | 0.5 |
| Music Literature - ALC | | 2 |
| General Education Courses | | 6 |
| General Education Course | | 3 |
| General Education Course | | 3 |

### Credits

#### Semester Eight

| Major Lessons | 442 | 3 |
| Major Ensemble - AEB/AEO/AES | | 0.5-1 |
| Small Ensemble - AES | | 0.5 |
| Music Literature - ALC | | 2 |
| General Education Courses | | 6 |
| General Education Course | | 3 |

### Credits

### B.M. Music Performance: Jazz

#### Year One

| Semester One | Credits |
| MTC 112 | Theory of Music I | 3 |
| MTC 114 | Aural Activities I | 2 |
| Major Lessons | 141 | 3 |
| Jazz Ensemble/Combo - AES | | 0.5 |
| PIA 191 | Piano Class (Minor) | 0.5 |
| General Education Course (Writing) | | 3 |

### Recital Attendance

#### Credits

#### Semester Two

| MTC 113 | Theory of Music II | 3 |
| MTC 115 | Aural Activities II | 2 |
| Major Lessons | 142 | 3 |
| Major Ensemble | | 0.5 |
| Jazz Ensemble/Combo - AES | | 0.5 |
| PIA 192 | Piano Class (Minor) | 0.5 |
| General Education Course (Writing II) | | 2 |

| General Education Course | | 3 |

### Recital Attendance

#### Credits

#### Year Two

| MTC 212 | Theory of Music III | 3 |
| MTC 214 | Aural Activities III | 2 |
| MHL 210 | Music History I | 3 |
| Major Lessons | 241 | 3 |
| Minor Lessons | 101 | 1 |
| Major Band - AEB/AEO/AES | | 0.5-1 |
| PIA 291 | Piano class | 1 |
| General Education Course | | 3 |

### Recital Attendance

#### Credits

#### Semester Three

| MTC 341 (fall only) | Orchestration | 3 |
| MHL 212 | Music History III | 3 |
| Major Lessons | 341 | 3 |
| Minor Lessons | 201 | 1 |
| Major Band - AEB/AEO/AES | | 0.5-1 |
| Small Ensemble - AES | | 0.5 |
| AIC 311 | Instrumental Conducting I | 2 |

| General Education Course | | 3 |

### Recital Attendance

#### Credits

#### Semester Four

| MTC 341 (fall only) | Orchestration | 3 |
| MHL 212 | Music History III | 3 |
| Major Lessons | 341 | 3 |
| Minor Lessons | 201 | 1 |
| Major Band - AEB/AEO/AES | | 0.5-1 |
| Small Ensemble - AES | | 0.5 |
| AIC 311 | Instrumental Conducting I | 2 |

| General Education Course | | 3 |

### Recital Attendance

#### Credits

#### Year Three

| MTC 341 | Orchestration | 3 |
| MHL 212 | Music History III | 3 |
| Major Lessons | 341 | 3 |
| Minor Lessons | 201 | 1 |
| Major Band - AEB/AEO/AES | | 0.5-1 |

| General Education Course | | 3 |

### Recital Attendance

#### Credits

#### Semester Five

| MTC 341 | Orchestration | 3 |
| MHL 212 | Music History III | 3 |
| Major Lessons | 341 | 3 |
| Minor Lessons | 201 | 1 |
| Major Band - AEB/AEO/AES | | 0.5-1 |
| Small Ensemble - AES | | 0.5 |
| AIC 311 | Instrumental Conducting I | 2 |

| General Education Course | | 3 |

### Recital Attendance

#### Credits

#### Semester Six

| Counterpoint - MTC 34 | 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 | | 6 |

### Recital Attendance

#### Credits

1. Grade of C- or higher required.
2. Course availability varies; may be interchanged with another course.
### Year Two

#### Semester Three

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<td>MHL 210</td>
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<td>PIA 101</td>
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**Credits:** 16

#### Semester Four

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<td>AJZ 361</td>
<td>Jazz Musicianship and Improvisation</td>
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**Credits:** 16

### Year Three

#### Semester Five

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<td>MTC 361</td>
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**Credits:** 17.5

#### Semester Six

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<td>AJZ 362</td>
<td>Jazz Musicianship and Improvisation</td>
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<td>MHL 422</td>
<td>History of Jazz</td>
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<td>APC 193</td>
<td>Drum Set Class</td>
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**Credits:** 16

### Year Four

#### Semester Seven

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<td>MTC 362</td>
<td>Jazz Harmony and Arranging II</td>
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<td>Jazz Ensemble/Combo - AES</td>
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<td>Elective(s)</td>
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**Credits:** 16

#### Semester Eight

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**Credits:** 15.5

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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

#### Year One

#### Semester One

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<td>PIA 141</td>
<td>Advanced Piano Private Lesson (B.M.)</td>
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<td>Major Ensemble</td>
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<td>General Education Course (Writing)</td>
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<td>General Education Courses</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Recital Attendance</td>
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</tbody>
</table>

**Credits:** 17.5

#### Semester Two

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<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>
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<tr>
<td>Major Ensemble</td>
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</tr>
<tr>
<td>Master Class - MAK</td>
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<td>1</td>
</tr>
<tr>
<td>General Education Course (Writing II)</td>
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<td>General Education Courses</td>
<td></td>
<td>3</td>
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<tr>
<td>Recital Attendance</td>
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</table>

**Credits:** 17.5

#### Year Two

#### Semester Three

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<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>
<td>2</td>
</tr>
<tr>
<td>MHL 210</td>
<td>Music History I</td>
<td>3</td>
</tr>
<tr>
<td>PIA 241</td>
<td>Advanced Piano Private Lesson (B.M.)</td>
<td>3</td>
</tr>
<tr>
<td>Major Ensemble</td>
<td></td>
<td>0.5</td>
</tr>
<tr>
<td>Minor Lessons - 101</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Major Ensemble</td>
<td></td>
<td>0.5</td>
</tr>
<tr>
<td>General Education Course</td>
<td></td>
<td>3</td>
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<tr>
<td>Recital Attendance</td>
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**Credits:** 15.5

#### Semester Four

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>MTC 213</td>
<td>Theory of Music IV</td>
<td>3</td>
</tr>
<tr>
<td>MTC 215</td>
<td>Aural Activities IV</td>
<td>2</td>
</tr>
<tr>
<td>MHL 210</td>
<td>Music History I</td>
<td>3</td>
</tr>
<tr>
<td>PIA 242</td>
<td>Advanced Piano Private Lesson (B.M.)</td>
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</tr>
<tr>
<td>Major Ensemble</td>
<td></td>
<td>0.5</td>
</tr>
<tr>
<td>Minor Lessons - 102</td>
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<tr>
<td>Major Ensemble</td>
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<td>0.5</td>
</tr>
<tr>
<td>Piano Course</td>
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<td>3</td>
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<tr>
<td>Master Class - MAK</td>
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**Credits:** 15.5

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1. Grade of C- or higher required.
2. Course availability varies; may be interchanged with another course.
### Recital Attendance

<table>
<thead>
<tr>
<th>Year Three</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Semester Five</td>
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<tr>
<td>MHL 212 Music History III</td>
<td>3</td>
</tr>
<tr>
<td>Counterpoint - MTC ___</td>
<td>3</td>
</tr>
<tr>
<td>PIA 341 Advanced Piano Private Lesson (B.M.)</td>
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<tr>
<td>Major Ensemble</td>
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</tr>
<tr>
<td>Minor Lessons - ___ 201</td>
<td>1</td>
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<tr>
<td>Piano Course - PIA ___</td>
<td>3</td>
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<tr>
<td>General Education Course²</td>
<td>3</td>
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<tr>
<td>Recital Attendance</td>
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</tbody>
</table>

| 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 Course² | 3 |
| General Education Course² | 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 |
| General Education Course² | 3 |
| General Education Course² | 3 |
| General Education Course² | 3 |
| Recital Attendance | |

| Credits | 15.5 |

| Semester Eight |
| PIA 442 Advanced Piano Private Lesson (B.M.) | 3 |
| Major Ensemble | 0.5 |
| Piano Course - PIA ___ | 3 |
| Master Class - MAK ___ | 1 |
| General Education Courses² | 6 |
| General Education Course² | 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

<table>
<thead>
<tr>
<th>Semester One</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTC 112 Theory of Music I</td>
<td>3</td>
</tr>
<tr>
<td>MTC 114 Aural Activities I</td>
<td>2</td>
</tr>
<tr>
<td>VOI 141 Advanced Voice Major Private Lesson (B.M.)</td>
<td>3</td>
</tr>
<tr>
<td>Major Choir - CHO ___</td>
<td>0.5</td>
</tr>
<tr>
<td>PIA 191 Piano Class (Minor)</td>
<td>0.5</td>
</tr>
<tr>
<td>General Education Course (Writing)</td>
<td>3</td>
</tr>
<tr>
<td>General Education Course²</td>
<td>3</td>
</tr>
</tbody>
</table>

| 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)² | 3 |
| General Education Course² | 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 | 3 |
| 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 | 16.5 |

| Semester Four |
| MTC 213 Theory of Music IV | 3 |
| MTC 215 Aural Activities IV | 2 |
| MHL 211 Music History II | 3 |
| 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 Course² | 3 |
| Recital Attendance | |

| Credits | 16.5 |

| Semester Five |
| MHL 212 Music History III | 3 |
| Counterpoint - MTC ___² | 3 |
| VOI 341 Advanced Voice Major Private Lesson (B.M.) | 3 |
| Major Choir - CHO ___ | 0.5 |
| PIA 201 Piano Minor Private Lesson | 1 |
| Vocal Diction - VOC ___ | 1 |
| Vocal Master Class - VOC ___ | 1.5 |
| General Education Course² | 3 |
| Recital Attendance | |

| Credits | 16 |

| Semester Six |
| VOI 342 Advanced Voice Major Private Lesson (B.M.) | 3 |
| Major Choir - CHO ___ | 0.5 |
| VOC 424 Musico-Dramatic Production | 1 |
| Vocal Diction - VOC ___ | 1 |
| Vocal Master Class - VOC ___ | 1.5 |
| VOC 311 Choral Conducting I | 2 |
| General Education Course² | 3 |
| General Education Course² | 3 |
Recital Attendance

Year Four
Semester Seven

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>V01 441 Advanced Voice Maj Private Lesson (B.M.)</td>
<td>3</td>
</tr>
<tr>
<td>Major Choir - CHO</td>
<td>0.5</td>
</tr>
<tr>
<td>Vocal Diction - VOC</td>
<td>1</td>
</tr>
<tr>
<td>Vocal Master Class - VOC</td>
<td>1.5</td>
</tr>
<tr>
<td>General Education Course</td>
<td>3</td>
</tr>
<tr>
<td>General Education Course</td>
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</table>

Credits 15

Semester Eight

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>V01 442 Advanced Voice Maj Private Lesson (B.M.)</td>
<td>3</td>
</tr>
<tr>
<td>Major Choir - CHO</td>
<td>0.5</td>
</tr>
<tr>
<td>Vocal Diction - VOC</td>
<td>1</td>
</tr>
<tr>
<td>Vocal Master Class - VOC</td>
<td>1.5</td>
</tr>
<tr>
<td>VOC 491 Vocal Pedagogy</td>
<td>2</td>
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<tr>
<td>General Education Courses</td>
<td>6</td>
</tr>
<tr>
<td>General Education Course</td>
<td>3</td>
</tr>
</tbody>
</table>

Credits 15

1 Grade of C- or higher required.
2 Course availability varies; may be interchanged with another course.

MINOR IN JAZZ STUDIES

College of Visual & Performing Arts

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</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AES 151 Jazz Ensemble I</td>
<td>.5</td>
</tr>
<tr>
<td>AES 152 Jazz Ensemble II</td>
<td>.5</td>
</tr>
<tr>
<td>AJZ 361 Jazz Musicianship and Improvisation I</td>
<td>3</td>
</tr>
<tr>
<td>AJZ 362 Jazz Musicianship and Improvisation II</td>
<td>3</td>
</tr>
<tr>
<td>AJZ 365 Jazz Ensemble Techniques</td>
<td>.5</td>
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<tr>
<td>MTC 361 Jazz Harmony and Arranging I</td>
<td>3</td>
</tr>
<tr>
<td>MTC 362 Jazz Harmony and Arranging II</td>
<td>3</td>
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</table>

Music Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>AES 151 Jazz Ensemble I</td>
<td>.5</td>
</tr>
<tr>
<td>AES 152 Jazz Ensemble II</td>
<td>.5</td>
</tr>
<tr>
<td>APC 193 Drum Set Class</td>
<td>.5</td>
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</tbody>
</table>

Total Credits 15

MINOR IN MUSIC PERFORMANCE

College of Visual & Performing Arts

Students majoring in most programs at WCU may elect a music performance minor. The program requires 18 semester hours and can be completed over their time at WCU. A minor in music performance is designed for students who performed in their high school ensembles and desire to continue their musical experience in college and improve their performing skills. Students pursuing this minor will explore the fundamental elements of music required to be a better musician and performer, and will obtain a deeper appreciation of how music is integrated into and enhanced by its connection to drama, art, and dance. Students will also increase their awareness and critical listening as an audience member in live musical performances through course discussion, meeting with selected performers, and writing about music. Interested students must apply to the Department of Applied Music for admission and will be required to audition for one of the many performing ensembles. Audition dates and materials will be provided to any interested student. Applicants must obtain and complete an Add Minor Form through the Office of the Registrar for transcript recognition.

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMF 251 Foundations of Music Performance I</td>
<td>3</td>
</tr>
<tr>
<td>AMF 252 Foundations of Music Performance II</td>
<td>3</td>
</tr>
<tr>
<td>AML 351 Understanding Live Music Performance (Substitutions may be made with department approval)</td>
<td>3</td>
</tr>
<tr>
<td>or AMA 352 Performance in the Arts</td>
<td></td>
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</table>

Ensembles

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>AEB 112 Marching Band Front</td>
<td>1</td>
</tr>
<tr>
<td>AEB 311 Marching Band</td>
<td>1</td>
</tr>
<tr>
<td>AML 101 Ensembles for Music Minor</td>
<td>1</td>
</tr>
</tbody>
</table>

Elective Courses

Under advisement, select 5 semester hours of elective performance courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>AIM 429 Special Subjects Seminar</td>
<td></td>
</tr>
<tr>
<td>AIM 429 Special Subjects Seminar</td>
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<tr>
<td>AJZ 331 Electronic Instruments</td>
<td></td>
</tr>
<tr>
<td>AJZ 365 Jazz Ensemble Techniques</td>
<td></td>
</tr>
<tr>
<td>AMA 352 Performance in the Arts</td>
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<tr>
<td>AML 351 Understanding Live Music Performance</td>
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</tr>
<tr>
<td>ASC 196 Guitar Class</td>
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<tr>
<td>MIP 310 Musician Injury Prevention</td>
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<tr>
<td>MRC 251 Music Rhythm Class</td>
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<tr>
<td>PIA 181 Class Piano for Non-Music Majors</td>
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<tr>
<td>PIA 182 Class Piano for Non-Music Majors</td>
<td></td>
</tr>
<tr>
<td>V01 291 Voice Class</td>
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</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 semester hours.
DEPARTMENT OF ART + DESIGN

College of Visual & Performing Arts
145 E.O. Bull Center for the Arts
610-436-275
Department of Art + Design (http://wcupa.edu/cvpa/artDesign/default.aspx)
Margaret 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:
1. Graphic + Interactive Design
2. Studio Arts (with concentrations in painting/drawing, sculpture/crafts, or general studio)

The department also offers minors in studio art and art history. 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. The department, which is housed within the College of Visual and Performing Arts, embraces a teacher-scholar approach by having faculty bring their scholarship into teaching and their students into scholarship. All faculty are actively engaged in creating art and producing scholarly research within their disciplines.

Programs

Major in Art + Design
- B.F.A. in Graphic and Interactive Design (p. 180)
- B.F.A. in Studio Arts (p. 181)

Minors in Art + Design
- Studio Art (p. 182)
- Art History (p. 182)

Policies
- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

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://wcupa.edu/cvpa/artDesign/portfolioReview.aspx, for the list of portfolio requirements and digital image formatting guide.

Faculty

Professors
John H. Baker (jbaker@wcupa.edu) (1974)
B.A., West Chester University; M.F.A., University of Delaware
Virginia M. Da Costa (vdcosta@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

Associate Professors
Henry Loustau (hloustau@wcupa.edu) (1995)
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
Donna L Usher (dusher@wcupa.edu)
Sally Van Orden (svanorden@wcupa.edu) (2006)
B.B.A., Texas A&M University; M.F.A., Texas Tech University

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
Belinda Haikes (bhaikes@wcupa.edu) (2011)
B.A., University of Alabama at Birmingham; M.F.A., Pennsylvania Academy of the Fine Arts; Ph.D., Virginia Commonwealth University
David P. Jones (djones2@wcupa.edu) (2014)
B.A., M.F.A., Temple University
Erica Zoe Loustau (eloustau@wcupa.edu) (2012)
B.A., Dartmouth College; M.F.A., University of Illinois at Urbana-Champaign
Andrew Snyder (asnyder@wcupa.edu) (2014)
B.A., M.F.A., Towson University
Kate Stewart (kstewart@wcupa.edu) (2011)
B.A., Dickinson College; M.F.A., University of Pennsylvania
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.
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 ART 103. The Renaissance through the 20th century.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Fall & Spring.

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.

2015-2016 UNDERGRADUATE CATALOG
ARH 300. History of Modern Design. 3 Credits.
Survey of modern design through the 21st century.
Pre / Co requisites: ARH 300 requires prerequisites of ARH 103 or ARH 104 and ART 211.
Typically offered in Spring.

ARH 310. Informed Perception: An Objective Approach. 3 Credits.
This course introduces participants to an objective method for appreciating art. Students experience works of art directly, make aesthetic discoveries, and undertake personal and independent analyses of works of art.

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.
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.
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.
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: Add consent. Typically offered in Fall. Repeatable for Credit.

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 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. Basic Design (2-D). 3 Credits.
Developing a visual vocabulary by experimenting with shape, space, light, color, and texture in a variety of media.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Fall & Spring.

ART 112. Color Theory and Practice. 3 Credits.
Extensive study of color theory and its application to a variety of fine and industrial arts projects.
Pre / Co requisites: ART 112 requires prerequisite of ART 111.
Gen Ed Attribute: Writing Emphasis.
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 206. Drawing II. 3 Credits.
Work in a variety of media and methods designed to develop 'aggresive seeing.' Emphasis on the exploration of line as boundary to describe form and space, as gesture, as calligraphy, and for expressive qualities as a tool for working in other media.
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.
Typically offered in Fall.

ART 211. Graphic Design I. 3 Credits.
The exploration of various aspects of graphic communication through the use of typography, layout, and general graphic techniques. The development of creative, original, and conceptual ideas for solving communications problems utilizing professional studio practices and procedures. Mechanical, paste-up preparation, and other methods of reproduction will be covered. Use of the computer is integrated into a variety of course assignments.
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.
An advanced study of the computer as a design tool. The computer will be used to incorporate typography and graphic design solutions utilizing page layout software.
Pre / Co requisites: ART 213 requires prerequisite of ART 210 or 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 Fall & Spring.

ART 220. Fundamentals of 3-Dimensional Design. 3 Credits.
An introduction to the theories, processes, and elements of perception and visual design in a three-dimensional situation. Problems will be geared to problem solving rather than object making.
Typically offered in Fall & Spring.

ART 221. Advanced 3-Dimensional Design. 3 Credits.
Solving problems of relating visual elements to volumetric forms in space by experimenting with various materials.
Pre / Co requisites: ART 221 requires prerequisite of ART 220.
Typically offered in Spring.

ART 222. Beginning Sculpture. 3 Credits.
An introduction to the basic fundamentals of sculpture, including concepts of design, knowledge of tools and techniques, and materials and processes. Project assignments to be rendered in clay, plaster, wood, and stone.
Typically offered in Fall & Spring.

ART 223. Basic Photography. 3 Credits.
A course dealing with the photographic process. The course will cover camera handling, film and print processing, photographic composition and presentation. Students must supply adjustable 35mm camera plus developing and printing materials.
Typically offered in Fall & Spring.

ART 224. Intermediate Photography. 3 Credits.
A course for those who have had a basic photography class or previous photography experience. The course will stress technical and creative approaches to photography using small-format cameras. Advanced techniques of exposure, lighting, composition, and macro photography will be included. Students must supply their own 35mm adjustable camera and developing and printing materials.
Pre / Co requisites: ART 224 requires prerequisite of ART 223.

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 227. Water Color II. 3 Credits.
Advanced problems in water color, gouache, tempera, and mixed media.
Pre / Co requisites: ART 227 requires prerequisite of ART 226.

ART 228. Digital Photography. 3 Credits.
A course dealing with the photographic process using a digital platform. The course will cover camera handling, computer software for image manipulation, photographic composition and presentation. Students are required to provide memory cards, storage media, printing, and presentation materials. A digital SLR is recommended but not required.
Gen Ed Attribute: Arts Distributive Requirement.
Typically offered in Fall & Spring.

ART 230. Digital Objective Design. 3 Credits.
Introduction to digital object design intended to introduce 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 here at WCU. 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 scrutinize nuances of the student’s work.
Typically offered in Fall & Summer.

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: Introduction to Relief Printing. 3 Credits.
An introduction to the medium of printmaking: linoleum cuts, woodcuts, and colorgraphs.
Typically offered in Fall & Spring.

ART 243. Printmaking: Intermediate Relief Printing. 3 Credits.
Continuation of ART 241, emphasizing expressive possible techniques and their combination with other print media.
Pre / Co requisites: ART 243 requires prerequisite of ART 241.
Typically offered in Fall & Spring.

ART 306. Drawing III: Life Drawing. 3 Credits.
An exploration of the abstract dynamics of figure drawing with particular application of anatomical structure to expressive design.
Pre / Co requisites: ART 306 requires prerequisites of ART 106 and ART 206.
Typically offered in Fall & Spring.

ART 307. Drawing IV. 3 Credits.
Individualized instruction in increasingly complex formal and expressive problems in drawing. 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. Integration of type and image through creative solutions of complex concepts.
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 prerequisite of ART 213 and ART 310.
Typically offered in Spring.

ART 312. Visual Branding. 3 Credits.
The examination of pictographs, logos, trademarks, and symbols as a range of communication tools for organizations. Problem solving through visual identity projects examine the various components of company systems. Analysis and design of a mark, as well as its applications and design standards manual, will be part of a final project.
Pre / Co requisites: ART 312 requires prerequisites of ART 212 and ART 213.
Typically offered in Fall.

ART 313. Interaction Design I. 3 Credits.
Designed to develop the foundational skills, concepts, and technologies necessary for interactive web design and web publishing. Provides a critical overview of and practical experience in the principles of interactive design on the web, including information and navigation design. Web authoring software will be used.
Pre / Co requisites: ART 313 prerequisites are 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 ART 212, 213, and 313.
Typically offered in Spring.

ART 315. Introduction to Letterpress. 3 Credits.
The exploration of printing on the letterpress and the history of movable type. Students will learn techniques, and methods for printing in both wood type and metal type. Printing imagery will also be explored. Creating hands-on projects, students will compose type, lock up jobs, and print on a flat bed cylinder press.
Typically offered in Spring & Summer.
ART 316. Representational Painting. 3 Credits.
This course focuses on the skills and observations that are required for representational painting.
Pre / Co requisites: ART 316 requires prerequisite of ART 217.
Typically offered in Fall & Spring.

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.
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 Project. 3 Credits.
The development of a personal style is explored through a theme and its variation. Discipline and self-criticism are realized through a series of critiques and evaluations.
Pre / Co requisites: ART 320 requires a prerequisite of ART 217.
Typically offered in Fall & Spring.

ART 321. Intermediate Sculpture. 3 Credits.
More advanced problems in sculpture with emphasis on individual exploration of form, structure, and process. Independent project to be rendered in choice of materials, including clay, plaster, wood, and stone.
Pre / Co requisites: ART 321 requires prerequisite of ART 222.
Typically offered in Spring.

ART 322. Advanced Sculpture. 3 Credits.
Continued exploration and development of individual form and process awareness through involvement with modeling, casting, fabrication, and assemblages. In addition to clay, wood, stone, and plaster, metals and plastics will be utilized.
Typically offered in Spring.

ART 324. Life Modeling. 3 Credits.
Figure modeling in clay from the life model. Emphasis on hand-eye coordination using figure studies as vehicles of expression. Anatomy will not be stressed, however, weight, balance, construction and spatial relationships will be emphasized.
Typically offered in Spring.
Repeatable for Credit.

ART 325. Sculpture: Independent Projects. 3 Credits.
Individualized instruction in advanced sculpture. Preparation for senior show.
Typically offered in Spring.
Repeatable for Credit.

ART 331. Ceramics III: Advanced Techniques. 3 Credits.
An advanced course to develop craftsmanship and to explore clay as a means of individual expression.
Pre / Co requisites: ART 331 requires prerequisite of ART 232.
Typically offered in Fall & Spring.

ART 332. Ceramics Studio Problems. 3 Credits.
Work at an advanced level in specialized ceramic techniques.
Typically offered in Fall & Spring.

ART 333. Ceramics: Independent Projects. 3 Credits.
Individualized instruction as well as research and study in ceramic design.
Typically offered in Fall & Spring.

ART 341. Printmaking: Introduction to Intaglio Printing. 3 Credits.
Intaglio techniques, etching, dry point, aquatint, and engraving.
Typically offered in Fall & Spring.

ART 345. Printmaking: Independent Projects. 3 Credits.
In-depth, individualized instruction in a selected printmaking medium.
Typically offered in Fall & Spring.
Repeatable for Credit.

ART 351. Art of Papermaking. 3 Credits.
The exploration of traditional and contemporary techniques in the art of papermaking. An emphasis on creative and original designs in conjunction with an understanding of materials.
Typically offered in Fall & Spring.

ART 359. Resources in Art Education. 3 Credits.
The use of cultural and community resources in the schools with an emphasis on the teaching of art appreciation.
Typically offered in Fall & Spring.

ART 400. Advertising Design. 3 Credits.
The further study of solving advanced visual communication problems through the development of skills in research, design, and the preparation of comprehensive course presentations. The use of the computer as an essential design tool is integrated into course assignments.
Pre / Co requisites: ART 490 requires prerequisites of ART 212 and ART 213.
Typically offered in Fall.

ART 412. Interaction Design III. 3 Credits.
Designed to develop the skills, concepts, and technologies necessary for multimedia design production including team based mobile presentations of design problems. Provides a critical overview of and practical experience in the principles of multimedia environments including mobile. Video, sound, animation and web authoring software will be used.
Pre / Co requisites: ART 491 requires prerequisite of ART 212 and ART 213 and ART 313.
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 prerequisite ART 213, 311, 312 and 413 or department permission.
Typically offered in Spring.

ART 450. Internship: Graphic Design. 3 Credits.
Integration of classroom study and lab work with specific planned periods of learning through job experience. The course is based on an individualized, student-oriented, learning contract.
Typically offered in Fall & Spring.

ART 455. Introduction To Multi-Media. 3 Credits.
A workshop for students with background in the studio arts. To be taken under advisement.
Typically offered in Fall.
Repeatable for Credit.

ART 492. Senior Seminar. 3 Credits.
Preparation for the senior show and development of a professional portfolio suitable for presentation to employers or graduate schools.
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 resume, personal identity system, and design a self promotional piece in addition to their body of work.
Pre / Co requisites: ART 499 requires prerequisite of ART311 and 413.
Typically offered in Spring.
B.F.A. IN GRAPHIC AND INTERACTIVE DESIGN

College of Visual & Performing Arts

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements) 12

- English Composition (6 credits)
- Math (3 credits)
- Public Speaking (3 credits)

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

Additional Baccalaureate Requirements

- Writing Emphasis Requirements 9

Foundation Requirements

ART 106 Drawing I 3
ART 111 Basic Design (2-D) 3
ART 112 Color Theory and Practice 3
ART 113 Digital Media 3
ART 206 Drawing II 3
ART 216 Painting I 3
ART 220 Fundamentals of 3-Dimensional Design 3
ARH 103 Art History I: Paleolithic-Middle Ages 3
ARH 104 Art History II: Renaissance through Modern Day 3

Select two Art History electives. One must be 300-level or above.

Major Requirements

ART 210 Typography I 3
ART 211 Graphic Design I 3
ART 212 Graphic Design II 3
ART 213 Typography II 3
ART 214 Interaction Design I 3
ART 215 Interaction Design II 3
ART 220 Fundamentals of 3-Dimensional Design 3
ART 221 Graphic Design III 3
ART 222 Graphic Design IV 3
ART 223 Graphic Design V 3
ART 224 Visual Branding 3
ART 225 Interaction Design III 3
ART 226 Interaction Design IV 3
ART 227 Senior Thesis Project 3
ART 499 Portfolio 3

Total Minimum Credits Required 120

Degree Progress

Year One

Semester One

ART 106 Drawing I 3
ART 111 Basic Design (2-D) 3
ART 103 Art History I: Paleolithic-Middle Ages 3
WRT 120 Effective Writing I 3
MAT 103 (or higher) Introduction to Mathematics 3

Credits 15

Semester Two

ART 112 Color Theory and Practice 3
ART 206 Drawing II 3
ART 113 Digital Media 3
WRT 200, 204, 205, 206, 208, or 220 Critical Writing and Research 3
ARH 104 Art History II: Renaissance through Modern Day 3

Credits 15

Year Two

Semester Three

ART 210 Typography I 3
ART 211 Graphic Design I 3
ART 216 Painting I 3
SPK 208 or 230 Public Speaking 3
General Education Elective 3

Credits 15

Semester Four

ART 212 Graphic Design II 3
ART 213 Typography II 3
ART 220 Fundamentals of 3-Dimensional Design 3
General Education Elective 3
General Education Elective 3

Credits 15

Year Three

Semester Five

ART 310 Graphic Design III 3
ART 313 Interaction Design I 3
ART 312 Visual Branding 3
General Education Elective 3
General Education Elective 3

Credits 15

Semester Six

ART 311 Graphic Design IV 3
ART 314 Interaction Design II 3
ARH 300 History of Modern Design 3
General Education Elective 3
General Education Elective 3

Credits 15

Year Four

Semester Seven

ART 400 Advertising Design 3
ART 413 Interaction Design III 3
ARH Elective 3
General Education Elective 3
General Education Elective 3

Credits 15

Semester Eight

ART 415 Senior Thesis Project 3
ART 499 Portfolio 3
General Education Elective 3
General Education Elective 3
General Education Elective 3

Credits 15

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 Visual & Performing Arts

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 adviser.

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

<table>
<thead>
<tr>
<th>Categories</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Academic Foundations requirements</td>
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<tr>
<td>English Composition (6 credits)</td>
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<td>Math (3 credits)</td>
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<td>Public Speaking (3 credits)</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>Interdisciplinary requirement</td>
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<td>Student Electives</td>
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Additional Baccalaureate Requirements

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<th>Categories</th>
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<td>Writing Emphasis requirements</td>
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Foundation Requirements

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<td>ART 106 Drawing I</td>
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<td>ART 111 Basic Design (2-D)</td>
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<td>ART 112 Color Theory and Practice</td>
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<td>ART 206 Drawing II</td>
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<td>ART 216 Painting I</td>
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<td>ART 220 Fundamentals of 3-Dimensional Design</td>
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<td>ART 113 Digital Media</td>
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<tr>
<td>or ART 241 Printmaking: Introduction to Relief Printing</td>
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<tr>
<td>ARH 103 Art History I: Paleolithic-Middle Ages</td>
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<tr>
<td>ARH 104 Art History II: Renaissance through Modern Day</td>
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</tbody>
</table>

Select two art history electives. One must be 300-level or above

Elective Concentration Requirements

Students may select studio art courses within these concentrations: painting/drawing, sculpture/crafts, or general studio. Studio art electives should be selected under advisement

Total Minimum Credits Required: 120

Degree Progress

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.

Recommended Sequence of Course Requirements for the BFA in Studio Arts - Drawing/Painting, Sculpture/Crafts, General Studio

Year One

<table>
<thead>
<tr>
<th>Semester One</th>
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<tbody>
<tr>
<td>ART 106</td>
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<td>Art History I: Paleolithic-Middle Ages</td>
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<td>WRT 120</td>
<td>Effective Writing I</td>
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Year Two

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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>
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<tr>
<td>WRT 206</td>
<td>Critical Writing: Multidisciplinary Imagination</td>
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<tr>
<td>WRT 208</td>
<td>Critical Writing: Entering Public Sphere</td>
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<td>WRT 220</td>
<td>Critical Writing: Special Topics</td>
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Year Three

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<td>ART 113</td>
<td>Digital Media</td>
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<td>ART 231</td>
<td>Ceramics I: Basic Techniques</td>
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<td>ART 241</td>
<td>Printmaking: Introduction to Relief Printing</td>
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<td>ART 216</td>
<td>Painting I</td>
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<td>SPK 208 or 230</td>
<td>Public Speaking</td>
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Year Four

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<td>ART 217</td>
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<td>ART 221</td>
<td>Advanced 3-Dimensional Design</td>
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Year Five

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<td>ART 222</td>
<td>Beginning Sculpture</td>
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Year Seven

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MAT 103 Introduction to Mathematics 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

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

ART 217 Painting II 3
ART 226 Water Color I 3
ART 227 Water Color II 3
ART 241 Printmaking: Introduction to Relief Printing 3
ART 243 Printmaking: Intermediate Relief Printing 3
ART 306 Drawing III: Life Drawing 3
ART 307 Drawing IV 3
ART 316 Representational Painting 3
ART 317 Painting III 3
ART 318 Painting IV 3
ART 319 Painting V 3
ART 320 Painting: Independent Project 3
ART 341 Printmaking: Introduction to Intaglio Printing 3
ART 345 Printmaking: Independent Projects 3

Sculpture/Crafts

ART 221 Advanced 3-Dimensional Design 3
ART 222 Beginning Sculpture 3
ART 231 Ceramics I: Basic Techniques 3
ART 232 Ceramics II: Intermediate Techniques 3
ART 321 Intermediate Sculpture 3
ART 322 Advanced Sculpture 3
ART 325 Sculpture: Independent Projects 3
ART 331 Ceramics III: Advanced Techniques 3
ART 332 Ceramics Studio Problems 3
ART 335 Ceramics: Independent Projects 3

General Studio

Select 9 ART electives

Photography Electives

ART 223 Basic Photography 3
ART 224 Intermediate Photography 3
ART 228 Digital Photography 3

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.

ARH 103 Art History I: Paleolithic-Middle Ages 3
ARH 104 Art History II: Renaissance through Modern Day 3
Select 12 semester hours of electives at the 200, 300, and 400 levels 12

Total Credits 18

Art History and its Interfaces

According to interest or possible vocational application, this program provides an opportunity to explore either the various historical periods/ styles of art or the interfaces of art history with studio art and other cognate areas.

ARH 103 Art History I: Paleolithic-Middle Ages 3
ARH 104 Art History II: Renaissance through Modern Day 3
Select 6 semester hours of upper-level art history courses 6
Select one of the following, under advisement: 6
Any two studio courses
Any two other art history courses
Any two cognate courses from other disciplines
Any combination of the above

Total Credits 18

MINOR IN STUDIO ART

College of Visual & Performing Arts

Required courses

ART 106 Drawing I 3
ART 111 Basic Design (2-D) 3
ART 220 Fundamentals of 3-Dimensional Design 3

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

This program provides alternative tracks to satisfy a variety of emphases to which art history may be applied. These include both vocational and liberal arts interests, which range from a highly structured sequence to a self-designed sequence.

Either of these minors may be taken as a concentration by students as one of the minors in the bachelor of arts or bachelor of science in liberal studies general degree program.
AIR FORCE ROTC (AEROSPACE 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 AER 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 the student’s academic status and course load. The AFROTC program provides a free monthly stipend which varies from $300 to $500, depending on the student’s academic status and course load.

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/apply principles of effective leading. 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 COREQ of MSI 201 or 202.

Typically offered in Fall & Spring.

MSI 199. Transfer Credits. 1-50 Credits.

Transfer Credits.

Repeatable for Credit.

MSI 201. Self-Team Development. 2 Credits.

Learn/apply 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 encourage, 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.

USMCRROT (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 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.
The Department of Biology offers two undergraduate degree programs with six concentrations within the B.S. degree:

- **The B.S. in Biology: General 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 interested 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 Technology Concentration** offers the opportunity to enter the field of laboratory medicine with emphasis on the techniques and instrumentation used to evaluate disease processes. This concentration allows students to complete the necessary general education and departmental requirements in three years. The fourth year is spent in a hospital internship training program at one of the several affiliated hospitals, and students receive 26 semester hours of credit for the internship year (BIO 407 and 408, Internship in Medical Technology). 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 technology concentration and the training necessary to take the national certification exam. Affiliated hospitals include Pennsylvania Hospital, Reading 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, microbial ecology, 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 or professional schools.

- **The B.S. in Education - 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. 239) section of this catalog for an explanation of related requirements.

### Programs

#### Majors in Biology

- B.A. in Biology (p. 190)
- B.S. in Biology - General Concentration (p. 193)
- B.S. in Biology - Cell and Molecular Concentration (p. 190)
- B.S. in Biology - Ecology and Conservation Concentration (p. 192)
- B.S. in Biology - Marine Science Concentration (p. 194)
- B.S. in Biology - Medical Technology Concentration (p. 196)
- B.S. in Biology - Microbiology Concentration (p. 197)
- B.S. in Education - Biology (p. 198)

#### Minors in Biology

- Biology (p. 199)

### Graduate Opportunities

See the graduate catalog for more information on the Biology program.

### Policies

- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

### 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.

Faculty
Professors
Sharon Began (sbeegan@wcupa.edu) (1992)
B.S., Kutztown University; M.S., East Tennessee State University; Ph.D., Southern Illinois University at Carbondale
John T. Benesi (jbenesi@wcupa.edu) (1986)
A.A., Southwestern College; B.A., M.A., Humboldt State University; Ph.D., Washington State University
Giovanni Casotti (gcasotti@wcupa.edu) (1996)
Assistant Chairperson, Biology
B.A., Ph.D., Murdoch University (Australia)
G. Winfield Fairchild (wfairchild@wcupa.edu) (1983)
B.A., Hamilton College; M.S., Ph.D., University of Michigan
Frank E. Fish (ffish@wcupa.edu) (1980)
B.A., State University of New York at Oswego; M.S., Ph.D., Michigan State University
Gustav M. Mbuy (gmbuy@wcupa.edu) (1985)
B.A., University of California; M.M., Ph.D., University of Cincinnati
Harry Tiebout (htiebout@wcupa.edu) (1992)
B.A., University of Illinois; Ph.D., University of Florida
Jack Waber (jwaber@wcupa.edu) (1976)
Chairperson, Biology
B.A., Hope College (Mich.); Ph.D., University of Hawaii

Associate Professors
Stefanie Anne Boettger (sboettger@wcupa.edu) (2008)
B.S., Aberdeen University (Scotland); Ph.D., University of Alabama at Birmingham
Xin Fan (xfan@wcupa.edu) (2006)
Graduate Coordinator, Biology
B.S., Jiangxi College of Medicine; M.S., Kunming Medical College; Ph.D., University of Pennsylvania
Oné R. Pagán (opagan@wcupa.edu) (2005)
B.S., M.S., University of Puerto Rico; Ph.D., Cornell University
Gregory Turner (gturner@wcupa.edu) (2004)
B.S., Virginia Commonwealth University; M.A., Hunter College; M.Ed., Columbia University; Ph.D., Fordham University

Assistant Professors
Josh R. Auld (jauld@wcupa.edu) (2011)
B.S., Duquesne University; Ph.D., University of Pittsburgh
Erin Gestl (egestl@wcupa.edu) (2007)
B.S., Ph.D., Pennsylvania State University
Judith J. Greenamyer (jgreenamyer@wcupa.edu) (1988)
M.S., University of California; D.V.M., Ohio State University
John M. Pisciotta (jpisciotta@wcupa.edu) (2012)
B.A., Eckerd College; M.S., University of South Florida; Ph.D., Johns Hopkins University
Jessica Schedlauer (jschedlau@wcupa.edu) (2010)
B.A., Hartwick College; M.S., University of Maine; Ph.D., University of Idaho

Courses
BIL
BIL 333. Recombinant DNA Methodology. 2 Credits.
Laboratory techniques for gene manipulation, restriction endonuclease use, DNA electrophoresis, gene cloning in E. coli, and polymerase chain reaction.
Pre / Co requisites: BIL 333 requires prerequisites of BIO 230 and BIO 204 or BIO 214 and CHE 231.
Typically offered in Fall & Spring.

BIO
BIO 100. Basic Biological Science. 3 Credits.
LAB, LEC.
Gen Ed Attribute: Science Distributive.
Typically offered in Fall, Spring & Summer.

BIO 110. General Biology. 3 Credits.
LAB, LEC.
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.
Typically offered in Fall, Spring & Summer.

BIO 204. Introductory Microbiology. 4 Credits.
LAB, LEC.
The biology of medically important microorganisms, their structure, taxonomy, physiology, control, and host-parasite interactions. May not be taken as a biology major elective.
Pre / Co requisites: BIO 204 requires prerequisites of BIO 100 or BIO 110.
Typically offered in Fall, Spring & Summer.

BIO 214. General Microbiology. 4 Credits.
LAB, LEC.
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.
LAB, LEC.
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.
LAB, LEC.
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.
LAB, LEC.
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.
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.
LAB, LEC.
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.
LAB, LEC.
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.
LAB, LEC.
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.
LAB, LEC.
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.
LAB, LEC.
Pre / Co requisites: BIO 277 requires prerequisites of BIO 100 or BIO 217.
Typically offered in Fall.

BIO 307. Pathophysiology. 3 Credits.
LAB, LEC.
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 BIO 259 and BIO 269.
Typically offered in Fall & Spring.

BIO 310. Biostatistical Applications. 3 Credits.
LAB, LEC.
The design, statistical analysis, graphical display and written presentation of biological research.
Pre / Co requisites: BIO 310 requires prerequisites of BIO 110 and MAT 121.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Spring.

BIO 311. Contemporary Issues in Biology Teaching. 3 Credits.
LAB, LEC.
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.
Typically offered in Fall.

BIO 312. Marine Botany. 3 Credits.
LAB, LEC.
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.
Pre / Co requisites: BIO 313 requires prerequisites of BIO 215 and BIO 217.
Typically offered in Spring.

BIO 314. Pathogenic Microbiology. 4 Credits.
LAB, LEC.
Systematic study of pathogenic bacteria with extensive laboratory experience in handling and identifying these organisms.
Pre / Co requisites: BIO 314 requires prerequisite of BIO 214.
Typically offered in Spring.

BIO 315. Terrestrial Ecosystem Ecology. 3 Credits.
LAB, LEC.
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 Prerequisite - BIO 110, 215, 217 and 270.
Typically offered in Fall.

BIO 334. Microbial Genetics. 4 Credits.
LAB, LEC.
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.
LAB, LEC.
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.
LAB, LEC.
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.
LAB, LEC.
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.
LAB, LEC.
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. Internship in Medical Technology. 13 Credits.
Typically offered in Spring.
"(and 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 internship will prepare the student to take the National Exam for Medical Technologists. 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.
Consent: Add consent."
BIO 408. Internship in Medical Technology. 13 Credits.
(and 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 internship will prepare the student to take the National Exam for Medical Technologists. 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.
Consent: Add consent.

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 maximum 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: Add consent.
Repeatable for Credit.

BIO 410. Molecular Evolution. 3 Credits.
A study of the microscopic structure and function of vertebrate tissues and organs. The course also features guest lectures from several practicing microbiologists involved in industry. Typically offered in Fall.

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 prerequisite of BIO230 and 9 hours of biology.
Typically offered in Spring.

BIO 414. Applied and Industrial Microbiology. 3 Credits.
Applied and Industrial Microbiology (3) 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.
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.
Pre / Co requisites: BIO 415 Prerequisite - BIO 110, 215, 217 and 270.
Typically offered in Spring.

BIO 421. Cellular and Molecular Biology. 4 Credits.
LAB, LEC.
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 BI 333 and CHE 232.
Typically offered in Spring.

BIO 428. Animal Histology. 3 Credits.
LAB, LEC.
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.

BIO 435. Course Topics in Biology. 1-3 Credits.
Courses in these 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 these 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 437. 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 sociology.
Pre / Co requisites: BIO 440 requires a prerequisite of BIO 230.
Gen Ed Attribute: Writing Emphasis.
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 BI 333.
Typically offered in Spring.

BIO 448. Animal Development. 4 Credits.
LAB, LEC.
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.
Pre / Co requisites: BIO 456 requires prerequisites of BIO 214 and BIO 230 and CHE 232.
Typically offered in Spring.

BIO 457. Functional Animal Morphology. 3 Credits.
A study of the structure, form, and function of morphological adaptations in animals as examined through a mechanical, ecological, and evolutionary perspective.
Pre / Co requisites: BIO 457 requires co-requisite of BIO 217.

BIO 464. Microbial Physiology. 4 Credits.
LAB, LEC.
Physiology and biochemical variations seen in prokaryotes and lower eukaryotes.
Pre / Co requisites: BIO 464 requires prerequisites of BIO 214 and BIO 230 and CHE 232.
Typically offered in Spring.
BIO 465. Immunology. 4 Credits. 
LAB, LEC. 
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 465 requires prerequisites of BIO 214 and CHE 232. 
Typically offered in Fall.

BIO 466. Plant Physiology. 3 Credits. 
LAB, LEC. 
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 
include. 
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. 
LAB, LEC. 
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. 
LAB, LEC. 
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. 
LAB, LEC. 
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 108 or MAT 
109 or 161. 
Typically offered in Fall.

BIO 471. Wetlands. 3 Credits. 
LAB, LEC. 
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 110 and BIO 215 or BIO 217 and BIO 
270. 
Typically offered in Spring.

BIO 474. Microbial Ecology. 4 Credits. 
LAB, LEC. 
Theory and application of modern microbial ecology. Lectures will focus on topics such as 
microbial communities, interactions with other organisms, biogeochemistry, and 
biochemistry. 
Pre / Co requisites: BIO 474 requires prerequisites of BIO 110 and BIO 214 and BIO 270 and CHE 
103 and CHE 104. 
Typically offered in Fall.

BIO 475. Plant Communities. 3 Credits. 
LAB, LEC. 
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. 
LAB, LEC. 
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 478 requires prerequisite of BIO 215 or permission of instructor. 
Distance education offering may be available. 
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 490. Biology Seminar. 3 Credits. 
LEC, SEM. 
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.

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 409 and BIO 491 may be applied to biology electives. 
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 BIO 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 with SCB 102, ENV 102, ESS 102.

SCB 210. The Origin of Life and the Universe. 3 Credits. 
An interdisciplinary 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.
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 Arts & Sciences

Curriculum
(Note: As of January 2014, no new students are being admitted to this program.)

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

<table>
<thead>
<tr>
<th>Requirement</th>
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<td>Academic Foundations requirements</td>
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<tr>
<td>English Composition (6 credits)</td>
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<td>Math (3 credits)</td>
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<td>Public Speaking (3 credits)</td>
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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

Additional Baccalaureate Requirements
Writing Emphasis requirements 9

Language Requirement 3-12
Demonstrating language proficiency through the intermediate level (202).

Major Requirements 1
BIO 110 General Biology 3
BIO 215 General Botany 3
BIO 217 General Zoology 3
BIO 220 Cell Physiology 3
BIO 230 Genetics 3
BIO 270 Ecology 3
BIO 409 Internship in Biological Sciences 3
or BIO 490 Biology Seminar 3
or BIO 491 Special Problems in Biology 3

Biology Electives
Select 12 semester hours under advisement 12

Related/Cognate Requirements
CHE 103 General Chemistry I 3
CHE 104 General Chemistry II 3
CHE 231 Organic Chemistry I 4
CRL 103 Experimental General Chemistry I (LAB) 1
CRL 104 Experimental General Chemistry II (LAB) 1
CRL 231 Experimental Organic Chemistry I Lab 2
PHY 130 General Physics I 4
CHE 232 Organic Chemistry II 3
PHY 140 General Physics II 4
MAT 121 Statistics 3
Select one semester of calculus 3-4

Total Minimum Credits Required 120

1 Biology core courses must be passed with a grade of C- (70%) or better.

Degree Progress
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

College of Arts & Sciences

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

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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

Additional Baccalaureate Requirements
Writing Emphasis requirements 9

Major Requirements 1
BIO 110 General Biology 3
BIO 214 General Microbiology 4
BIO 215 General Botany 3
or BIO 217 General Zoology 3
BIO 220 Cell Physiology 3
BIO 230 Genetics 3
BIO 421 Cellular and Molecular Biology 4
BIO 431 Molecular Genetics 3
BIL 333 Recombinant DNA Methodology 2
Select one of the following: 1-16
BIO 409 Internship in Biological Sciences 3
BIO 490 Biology Seminar 3
BIO 491 Special Problems in Biology 3

Other Science Requirements
CHE 103 General Chemistry I 3
CHE 104 General Chemistry II 3
CHE 231 Organic Chemistry I 4
CRL 103 Experimental General Chemistry I (LAB) 1
CRL 104 Experimental General Chemistry II (LAB) 1
CRL 231 Experimental Organic Chemistry I Lab 2
PHY 130 General Physics I 4
CHE 232 Organic Chemistry II 3
PHY 140 General Physics II 4
MAT 121 Statistics 3
Select one semester of calculus 3-4
CHE 476 Biochemistry I 3

Biology or Chemistry Electives
Select 14 semester hours from courses at or above the 300 level 14

Total Minimum Credits Required 120
Biology core courses must be passed with a grade of C- (70%) or better.

### Degree Progress

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; courses offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

#### Suggested Sequence for B.S. Biology Majors

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<th>Year One</th>
<th>Semester One</th>
<th>Credits</th>
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<td>CHE 103</td>
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<td>MAT 108</td>
<td>Brief Calculus</td>
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<td>MAT 109</td>
<td>Calculus for the Life Sciences</td>
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<td>MAT 161</td>
<td>Calculus I</td>
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<td>Gen Ed Distributive</td>
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<td>MAT 121</td>
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<td>&amp; CRL 231</td>
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<td>BIO 214</td>
<td>General Microbiology</td>
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<td>SPK 208 or 230</td>
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<td>BIO 230</td>
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<td>BIO 220</td>
<td>Cell Physiology</td>
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<tr>
<td>CHE 232</td>
<td>Organic Chemistry II</td>
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<td>Gen Ed Distributive</td>
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<tr>
<td><strong>Credits</strong></td>
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### Suggested Sequence For Honors Students

(NOTE: dependent on AP placements and class availability)

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<td>HON 352</td>
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<td>BIO 110</td>
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<tr>
<td>CHE 103</td>
<td>General Chemistry I</td>
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<td>MAT 109</td>
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<tr>
<td>HON 211</td>
<td>Decision Making and Public Discourse</td>
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<tr>
<td>HON 212</td>
<td>Ethics and Moral Choice in Tech Age</td>
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<tr>
<td>BIO 217</td>
<td>General Zoology</td>
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<td>CHE 104</td>
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<td>MAT 121</td>
<td>Statistics</td>
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<tr>
<td>HON 311</td>
<td>Stewardship and Civic Engagement</td>
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<tr>
<td>HON 312</td>
<td>Educational Systems and Social Influence</td>
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</table>
### B.S. IN BIOLOGY - ECOLOGY AND CONSERVATION CONCENTRATION

**West Chester University**

#### Credits

**Semester Four**
- **HON 310** Theories and Strategies of Community Change: 3 credits
- **HON 314** Science, Technology and Environmental Systems: 3 credits
- **CHE 231** Organic Chemistry I: 6 credits
- **BIO 230** Genetics: 3 credits
- **PHY 140** General Physics II: 4 credits

**Credits:** 19

#### Year Three

**Semester Five**
- **HON 313** American Government, Democracy and Public Opinion: 3 credits
- **HON 315** Community and the Arts: 3 credits
- **BIO 431** Recombinant DNA Methodology: 2 credits
- **BIO elective:** 6 credits

**Credits:** 17

**Semester Six**
- **CHE 476** Biochemistry I: 3 credits
- **BIO – Internship or seminar:** 6 credits
- **HON 340** Pathways to Professional Leadership (advised): 1 credit
- **Honors Course 400 Level:** 3 credits
- **Elective - Bio or minor:** 3 credits

**Credits:** 16

**Semester Seven**
- **HON 490** Senior Project: 3-6 credits
- **Elective – Bio or minor:** 3 credits
- **Elective – Bio or minor:** 3 credits
- **Elective – Bio or minor:** 3 credits
- **Elective – Bio or minor:** 3 credits

**Credits:** 18-21

**Semester Eight**
- **Elective – Bio or minor:** 3 credits
- **Elective – Bio or minor:** 3 credits
- **Elective – Bio or minor:** 3 credits
- **Elective – Bio or minor:** 3 credits
- **Elective – Bio or minor:** 3 credits

**Credits:** 18

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1. Can be taken either fall of senior or spring of either fall or spring

### B.S. IN BIOLOGY - ECOLOGY AND CONSERVATION CONCENTRATION

**College of Arts & Sciences**

#### Curriculum

**General Education Requirements** ([http://catalog.wcupa.edu/undergraduate/general-education-requirements](http://catalog.wcupa.edu/undergraduate/general-education-requirements))

**Academic Foundations requirements:** 12 credits
- English Composition (6 credits)

**Math (3 credits)**
- Public Speaking (3 credits)

**Science requirements:** 6 credits
- Science requirements are met by CHE 103 and PHY 130

**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

#### Additional Baccalaureate Requirements

**Writing Emphasis requirements:** 9 credits

#### Major Requirements

- **BIO 110** General Biology: 3 credits
- **BIO 215** General Botany: 3 credits
- **BIO 217** General Zoology: 3 credits
- **BIO 220** Cell Physiology: 3 credits
- **BIO 230** Genetics: 3 credits
- **BIO 270** Ecology: 3 credits
- **BIO 310** Biostatistical Applications: 3 credits

Select one of the following:
- **BIO 409** Internship in Biological Sciences
- **BIO 490** Biology Seminar
- **BIO 491** Special Problems in Biology

#### Related/Cognate Requirements

- **CHE 103** General Chemistry I: 3 credits
- **CHE 104** General Chemistry II: 3 credits
- **CHE 232** Organic Chemistry II: 3 credits
- **PHY 130** General Physics I: 4 credits
- **PHY 140** General Physics II: 4 credits
- **MAT 121** Statistics: 3 credits

Select one semester of calculus: 3-4 credits

#### Biology Electives

Under advisement, select 15 semester hours from the following: 15 credits
- **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

---

2015-2016 UNDERGRADUATE CATALOG 192
Select 6-7 semester hours under advisement from the Department of Biology approved list.

**Total Minimum Credits Required**: 120

Biology core courses must be passed with a grade of C- (70%) or better.

**Degree Progress**

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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### Year One

#### Semester One

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<tr>
<td>BIO 110: General Biology</td>
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<td>CHE 103: General Chemistry I</td>
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<td>MAT 121: Statistics</td>
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**Credits**: 16-17

#### Semester Two

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**Credits**: 16-17

### Year Two

#### Semester Three

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**Credits**: 15

#### Semester Four

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<tbody>
<tr>
<td>BIO 220 or 230: Cell Physiology</td>
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<td>BIO 270: Ecology</td>
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<td>CHE 232: Organic Chemistry II</td>
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<td>SPK 208 or 230: Public Speaking</td>
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<td>Gen Ed Distributive</td>
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**Credits**: 15

### Year Three

#### Semester Five

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<tr>
<td>PHY 130: General Physics I</td>
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<td>Diversity (J) Course</td>
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**Credits**: 15

### Year Four

#### Semester Seven

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<td>Ecology Relevant Elective</td>
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<td>Directed Elective</td>
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**Credits**: 15

#### Semester Eight

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<td>Ecology Relevant Elective</td>
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<tr>
<td>BIO 490: Biology Seminar</td>
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<tr>
<td>BIO 409: Internship in Biological Sciences</td>
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<tr>
<td>BIO 491: Special Problems in Biology</td>
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</table>

**Credits**: 15

### B.S. IN BIOLOGY - GENERAL CONCENTRATION

**Curriculum**

**General Education Requirements**

- Academic Foundations requirements: 12 credits
  - English Composition (6 credits)
  - Math (3 credits)
  - Public Speaking (3 credits)
- Science requirements: 6 credits
  - Science requirements are met by CHE 103 and PHY 130
- 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

**Additional Baccalaureate Requirements**

- Writing Emphasis requirements: 9 credits

**Major Requirements**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>BIO 110: General Biology</td>
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<tr>
<td>BIO 215: General Botany</td>
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<td>BIO 217: General Zoology</td>
<td>3</td>
</tr>
<tr>
<td>BIO 220: Cell Physiology</td>
<td>3</td>
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<tr>
<td>BIO 230: Genetics</td>
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<td>BIO 270: Ecology</td>
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<tr>
<td>Select one of the following:</td>
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<tr>
<td>BIO 490: Biology Seminar</td>
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<td>BIO 409: Internship in Biological Sciences</td>
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<tr>
<td>BIO 491: Special Problems in Biology</td>
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B.S. IN BIOLOGY - MARINE SCIENCE CONCENTRATION

Related/Cognate Requirements

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<td>CRL 104</td>
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<td>CRL 231</td>
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<td>MAT 121</td>
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Select one semester of calculus 3-4

Biology Electives

Select 21 semester hours under advisement 21

Total Minimum Credits Required 120

1 Biology core courses must be passed with a grade of C- (70%) or better.

Degree Progress

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; courses offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

Year One

Semester One

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<td>Brief Calculus</td>
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<td>MAT 109</td>
<td>Calculus for the Life Sciences</td>
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<td>MAT 161</td>
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Credits 16-17

Semester Two

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<td>CHE 104</td>
<td>General Chemistry II</td>
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<td>MAT 121</td>
<td>Statistics</td>
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<tr>
<td>MAT 108</td>
<td>Brief Calculus</td>
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<td>MAT 109</td>
<td>Calculus for the Life Sciences</td>
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<td>MAT 161</td>
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Credits 16-17

Year Two

Semester Three

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<tr>
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Credits

B.S. IN BIOLOGY - MARINE SCIENCE CONCENTRATION

College of Arts & Sciences

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

Academic Foundations requirements 12

- English Composition (6 credits)
- Math (3 credits)
- Public Speaking (3 credits)

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
Additional Baccalaureate Requirements
Writing Emphasis requirements 9

Biology Requirements

BIO 110 General Biology 3
BIO 215 General Botany 3
BIO 217 General Zoology 3
BIO 220 Cell Physiology 3
BIO 230 Genetics 3
BIO 270 Ecology 3
BIO 310 Biostatistical Applications 3
BIO 312 Marine Botany 3
BIO 313 Marine Biology 3
Select one of the following: 1-16
- BIO 409 Internship in Biological Sciences
- BIO 490 Biology Seminar
- BIO 491 Special Problems in Biology

Other Science Requirements

CHE 103 General Chemistry I 3
CHE 104 General Chemistry II 3
CHE 231 Organic Chemistry I 4
CRL 103 Experimental General Chemistry I (LAB) 1
CRL 104 Experimental General Chemistry II (LAB) 1
CRL 231 Experimental Organic Chemistry I Lab 2
PHY 130 General Physics I 4
CHE 232 Organic Chemistry II 3
PHY 140 General Physics II 4
MAT 121 Statistics 3
Select one semester of calculus 3-4

Marine Science Electives
Selected under advisement from the list below, (6 semester hours must be chosen at the 300- or 400-level) from the Department of Biology approved list

WCU Courses:
- BIO 387 Invertebrate Zoology
- ESS 332 Advanced Oceanography

Cheyney University Courses:
- Wallops 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 Biology core courses must be passed with a grade of C- (70%) or better.

Degree Progress

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 - Medical Technology Concentration

### Year Four

<table>
<thead>
<tr>
<th>Semester Seven</th>
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<td>MarSci Relevant Elective</td>
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<tr>
<td>Directed Elective</td>
<td>4</td>
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### Semester Eight

<table>
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<tr>
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<td>13</td>
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MarSci Relevant Elective 3  
Directed Elective 3  
Select one of the following:  
- BIO 490 Biology Seminar  
- BIO 409 Internship in Biological Sciences  
- BIO 491 Special Problems in Biology  
Directed Elective 4  
**Total Minimum Credits Required** 120

### General Education Requirements

<table>
<thead>
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<th>Description</th>
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<td>Academic Foundations requirements</td>
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<tr>
<td>English Composition (6 credits)</td>
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<td>Math (3 credits)</td>
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<td>Public Speaking (3 credits)</td>
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<td>Science requirements</td>
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<tr>
<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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<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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<td>Student Electives</td>
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### Additional Baccalaureate Requirements

| Writing Emphasis requirements | 9 |

### Biology Requirements

<table>
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<td>BIO 110</td>
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<td>BIO 214</td>
<td>General Microbiology</td>
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<td>BIO 215 or BIO 217</td>
<td>General Botany or General Zoology</td>
<td>3</td>
</tr>
<tr>
<td>BIO 220</td>
<td>Cell Physiology</td>
<td>3</td>
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<tr>
<td>BIO 230</td>
<td>Genetics</td>
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<td>BIO 407</td>
<td>Internship in Medical Technology</td>
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<td>BIO 408</td>
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<td>BIO 465</td>
<td>Immunology</td>
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### Related/Cognate Requirements

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<td>CHE 103</td>
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### Degree Progress

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### Year One

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<td>Brief Calculus</td>
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<td>MAT 109</td>
<td>Calculus for the Life Sciences</td>
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<tr>
<td>MAT 161</td>
<td>Calculus I</td>
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### Year Two

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<td>Statistics</td>
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<td>MAT 108</td>
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<td>MAT 109</td>
<td>Calculus for the Life Sciences</td>
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<td>MAT 161</td>
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### Year Three

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<tr>
<td>BIO 220</td>
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<td>BIO 230</td>
<td>Genetics</td>
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<td>CHE 232</td>
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</table>

1. Biology core courses must be passed with a grade of C- (70%) or better.
Year Three
Semester Five
PHY 130 General Physics I 4
BIO 465 Immunology 4
Art 3
Diversity (J) Course 3
Interdisciplinary (I) Course 3

Credits 15

Semester Six
PHY 140 General Physics II 4
Select one of the following: 3
- BIO 490 Biology Seminar
- BIO 409 Internship in Biological Sciences
- BIO 491 Special Problems in Biology
Free Elective 3

Credits 17

Year Four
Semester Seven
BIO 407 Internship in Medical Technology 13

Credits 13

Semester Eight
BIO 408 Internship in Medical Technology 13

Credits 13

An average of 16 semester hours per semester must be completed to enter the Medical Technology 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

College of Arts & Sciences

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

Academic Foundations requirements 12
- English Composition (6 credits)
- Math (3 credits)
- Public Speaking (3 credits)

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

Additional Baccalaureate Requirements

Writing Emphasis requirements 9

Biology Requirements 3

BIO 110 General Biology 3
BIO 214 General Microbiology 4

BIO 215 General Botany 3
or BIO 217 General Zoology
BIO 220 Cell Physiology 3
BIO 230 Genetics 3
BIO 270 Ecology 3
BIO 464 Microbial Physiology 4
BIO 465 Immunology 4

Select one of the following: 1-16
- BIO 469 Internship in Biological Sciences
- BIO 490 Biology Seminar
- BIO 491 Special Problems in Biology

Related/Cognate Requirements

CHE 103 General Chemistry I 3
CHE 104 General Chemistry II 3
CHE 231 Organic Chemistry II 4
CRL 103 Experimental General Chemistry I (LAB) 1
CRL 104 Experimental General Chemistry II (LAB) 1
CRL 231 Experimental Organic Chemistry I Lab 2
PHY 130 General Physics I 4
CHE 232 Organic Chemistry II 3
PHY 140 General Physics II 4
MAT 121 Statistics 3

Select one semester of calculus 3-4

Microbiology Electives

Select 11 semester hours under advisement from the following: 11
- BIO 314 Pathogenic Microbiology
- BIO 334 Microbial Genetics
- BIO 414 Applied and Industrial Microbiology
- BIO 452 Parasitology
- BIO 454 Mycology
- BIO 456 Virology
- BIO 474 Microbial Ecology
- BIO 480 Light Microscopy and the Living Cell
- BIO 484 Epidemiology
- BIL 333 Recombinant DNA Methodology

Total Minimum Credits Required 120

1 Biological core courses must be passed with a grade of C- (70%) or better.

Degree Progress

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Year One

Semester One  Credits
WRT 120 Effective Writing I 3
BIO 110 General Biology 3
CHE 103 General Chemistry I 4

Select one of the following: 3-4
- MAT 121 Statistics
- MAT 108 Brief Calculus
- MAT 109 Calculus for the Life Sciences
- MAT 161 Calculus I

Gen Ed Distributive 3

Credits 16-17
### Semester Two

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Select one of the following: 3-4

- MAT 121 Statistics
- MAT 108 Brief Calculus
- MAT 109 Calculus for the Life Sciences
- MAT 161 Calculus I

Gen Ed Distributive 3

**Credits**: 16-17

### Year Two

#### Semester Three

<table>
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Math (if still needed) 3

Gen Ed Distributive 3

**Credits**: 16

#### Semester Four

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Gen Ed Distributive 3

**Credits**: 15

### Year Three

#### Semester Five

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Directed Elective 3

Directed Elective 3

**Credits**: 16

#### Semester Six

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<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO course</td>
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</tr>
<tr>
<td>PHY 140</td>
<td>General Physics II</td>
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</tr>
<tr>
<td>Interdisciplinary (I) Course</td>
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<td>3</td>
</tr>
</tbody>
</table>

Directed Elective 3

**Credits**: 13

### Year Four

#### Semester Seven

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 465</td>
<td>Immunology</td>
<td>4</td>
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<tr>
<td>Bio Elective</td>
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<tr>
<td>Bio Elective</td>
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</tbody>
</table>

Directed Elective 3

Gen Ed Distributive 3

**Credits**: 16

#### Semester Eight

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 464</td>
<td>Microbial Physiology</td>
<td>4</td>
</tr>
<tr>
<td>Bio Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Bio Elective</td>
<td></td>
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</tr>
</tbody>
</table>

Directed Elective 3

Select one of the following: 3

- BIO 490 Biology Seminar
- BIO 409 Internship in Biological Sciences

**Credits**: 3-4

### 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. IN EDUCATION - BIOLOGY**

**Curriculum**

**General Education Requirements**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>Academic Foundations requirements</td>
<td>12</td>
</tr>
<tr>
<td>English Composition (6 credits)</td>
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<tr>
<td>Math (3 credits)</td>
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<tr>
<td>Public Speaking (3 credits)</td>
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<tr>
<td>Science requirements</td>
<td>6</td>
</tr>
<tr>
<td>Science requirements are met by CHE 103 and PHY 130</td>
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</tr>
<tr>
<td>Behavioral &amp; Social Science requirements</td>
<td>6</td>
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<tr>
<td>Humanities requirements</td>
<td>6</td>
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<tr>
<td>Arts requirement</td>
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<tr>
<td>Diverse Communities requirement</td>
<td>3</td>
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<tr>
<td>Interdisciplinary requirement</td>
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<tr>
<td>Student Electives</td>
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</table>

**Additional Baccalaureate Requirements**

<table>
<thead>
<tr>
<th>Requirement</th>
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<tbody>
<tr>
<td>Writing Emphasis requirements</td>
<td>9</td>
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</table>

**Biology Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BIO 110</td>
<td>General Biology</td>
<td>3</td>
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<tr>
<td>BIO 214</td>
<td>General Microbiology</td>
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<tr>
<td>BIO 215</td>
<td>General Botany</td>
<td>3</td>
</tr>
<tr>
<td>BIO 217</td>
<td>General Zoology</td>
<td>3</td>
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<tr>
<td>BIO 220</td>
<td>Cell Physiology</td>
<td>3</td>
</tr>
<tr>
<td>BIO 230</td>
<td>Genetics</td>
<td>3</td>
</tr>
<tr>
<td>BIO 270</td>
<td>Ecology</td>
<td>3</td>
</tr>
<tr>
<td>BIO 311</td>
<td>Contemporary Issues in Biology Teaching</td>
<td>3</td>
</tr>
<tr>
<td>BIO 409</td>
<td>Internship in Biological Sciences</td>
<td>3-16</td>
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<tr>
<td>or BIO 490</td>
<td>Biology Seminar</td>
<td></td>
</tr>
<tr>
<td>or BIO 491</td>
<td>Special Problems in Biology</td>
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**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>CHE 103</td>
<td>General Chemistry I</td>
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<tr>
<td>CHE 104</td>
<td>General Chemistry II</td>
<td>3</td>
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<td>CHE 231</td>
<td>Organic Chemistry I</td>
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<td>CRL 103</td>
<td>Experimental General Chemistry I (LAB)</td>
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<td>CRL 104</td>
<td>Experimental General Chemistry II (LAB)</td>
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<td>CRL 231</td>
<td>Experimental Organic Chemistry I Lab</td>
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<td>PHY 130</td>
<td>General Physics I</td>
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<td>CHE 232</td>
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<td>PHY 140</td>
<td>General Physics II</td>
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<tr>
<td>MAT 121</td>
<td>Statistics</td>
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Select one semester of calculus 3-4

**Education Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Credits</th>
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<tbody>
<tr>
<td>EDF 300</td>
<td>Democracy and Education</td>
<td>3</td>
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<tr>
<td>EDP 250</td>
<td>Educational Psychology</td>
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<tr>
<td>EDA 103</td>
<td>Foundations of Special Education</td>
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<tr>
<td>EDA 304</td>
<td>Special Ed Processes/Procedures for Secondary Educators</td>
<td>3</td>
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</table>
EDR 347 Literacy Development and Secondary Students with Disabilities in Inclusive Classrooms 3

EDS 306 Teaching Principles and Field Experience in Secondary Schools 3

EDS 411 Student Teaching Sec - 1st Half 6

EDS 412 Student Teaching Sec - 2nd Half 6

LAN 382 Teaching English Language Learners PK-12 3

ENG 382 Teaching English Language Learners PK-12 3

SCB 350 Science Education in Secondary School 3

Select one of the following: 3

SCB 210 The Origin of Life and the Universe

Other ESS course selected under advisement

Biology Electives
Select 6 semester hours under advisement

Total Minimum Credits Required 127

1. Biology core courses must be passed with a grade of C- (70%) or better.

2. Students applying for formal admission to teacher education must have a 2.80 GPA. Students formally admitted must graduate with a 3.0 GPA.

Degree Progress
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.

Year One
Semester One
WRT 120 Effective Writing I 3
BIO 110 General Biology 3
CHE 103 General Chemistry I 4
& CRL 103
MAT 121 Statistics 3
Gen Ed 1 3

Credits 16

Semester Two
WRT XXX 3
BIO 215 or 217 General Botany 3
CHE 104 General Chemistry II 4
& CRL 104
SPK 208 or 230 Public Speaking 3
LIT/CLS (Gen Ed 2) 3

Credits 16

Year Two
Semester Three
CHE 231 Organic Chemistry I 6
& CRL 231
BIO 215 or 217 General Botany 3
EDP 250 (requires Educational Psychology 3
20 FE hours)
EDF 300 Democracy and Education 3
Gen Ed 3 3

Credits 18

Semester Four
BIO 214 General Microbiology 4
Select one of the following: 3-4

MAT 108 Brief Calculus
MAT 109 Calculus for the Life Sciences
MAT 161 Calculus I

Apply for FATE by semester end

General Education electives 8

Year Three
Semester Five
PHY 130 General Physics I 4
BIO 220 Cell Physiology 3
BIO 230 or 270 Genetics 3
EDA 304 (requires Special Ed Processes/Procedures for Secondary 20 FE hours) Educators
EDR 347 Literacy Development and Secondary Students with Disabilities in Inclusive Classrooms 3

Credits 15

Semester Six
Directed Electives 2 3
Bio Elective 1 3
EDS 306 (requires Teaching Principles and Field Experience in Secondary 24 FE hours) Schools
LAN 382 or ENG Teaching English Language Learners PK-12 382 3
Gen Ed 4 3

Credits 15

Year Four
Semester Seven
Directed Elective 3 3
Bio Elective 2 3
Gen Ed 5 3
SCB 350 (requires Science Education in Secondary School 3
24 FE hours)
BIO 311 Select one of the following: 3
Contemporary Issues in Biology Teaching
ESS XXX 3
SCB 210 The Origin of Life and the Universe 3

Credits 21

Semester Eight
EDS 411 & EDS 412 Student Teaching Sec - 1st Half 12

Credits 12

1. Only offered in Fall. Includes faculty-student mentoring experience.

MINOR IN BIOLOGY

College of Arts & Sciences

Minor in Biology (18 semester hours)
The Department of Biology offers a minor in biology. The Minor in Biology requirements include the following:

1. Required prerequisite: BIO 110 (must be passed with a C- or better), or BIO 100 (must be passed with a grade of A or A-). These courses are prerequisites and must be completed before admission to the minor. The grades in these courses are not used in calculating the GPA in the minor and do not count toward the 18 semester hours required.

2. Students must complete 18 credits at the 200 level or higher for the minor. At least three credits must be in addition to the biology courses required by the student's major. A grade of C- or better is required in all courses.

3. To graduate with a minor in Biology, students must maintain a GPA of 2.00 in the minor courses.
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 biochemistry. This program has been placed in moratorium and is no longer accepting new students.

- **The B.S. in Chemistry-Biology (Pre-Medical)** program prepares students for careers in criminology 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 Forensic and Toxicological Chemistry program** prepares students for careers in criminology 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 also serves as a basis for graduate study and specialization 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. 239) 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 adviser for current requirements, particularly regarding internships. A grade of C- or better is necessary in all required science and math 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 semester hours. The number of research or internship credits taken may be limited by the department.

**Programs**

**Majors in Chemistry**
- B.S. in Chemistry (p. 203)
- B.S. in Biochemistry (p. 203)
- B.S. in Forensic and Toxicological Chemistry (p. 205)
- B.S.Ed. in Chemistry (p. 205)
- B.S. in Chemistry-Biology (p. 204)

**Minor in Chemistry**
- Chemistry (p. 206)

**Policies**
- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

**Faculty**

**Professors**
- Felix E. Goodson (fgoodson@wcupa.edu) (1998)
- A.B., Princeton University; Ph.D., University of California, Berkeley
- Kurt Kolasinski (kkolasinski@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)
- B.S., Ph.D., Indiana University
- John R. Townsend (jtownsend@wcupa.edu) (1998)
- B.A., University of Delaware; M.S., Ph.D., Cornell University
- Melissa Cichowicz (mcichowicz@wcupa.edu) (1986)
- Chairperson, Chemistry

**Associate Professors**
- Mahrulk Azam (mazam@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
- Blake F. Frost (bfrost@wcupa.edu) (1989)
- B.A., Yankton College; M.S., Ph.D., University of South Dakota
- Joel M. Ressner (jressner@wcupa.edu) (1984)
- B.S., Lehigh University; M.Sc., University of Sussex; Ph.D., Lehigh University

**Assistant Professors**
- Jingqiu Hu (jhu@wcupa.edu) (2014)
- B.S., M.S., Nanjing University; Ph.D., Boston University
- Monica Joshi (mjoshi@wcupa.edu) (2010)
- B.S., 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
Courses

CHE

CHE 100. Concepts of Chemistry. 3 Credits.
LAB, LEC.
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.
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 precede CHE 104.
Gen Ed Attribute: Science Distributive.
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 equilibria. 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.
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.
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.
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, stereochemistry, 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 nucleophilic and electrophilic substitution, reaction of carbonyl compounds, elimination, aromatic substitution, molecular rearrangements, oxidation reduction reactions, carbonylation 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 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. (Not for chemistry majors.)
Pre / Co requisites: CHE 310 requires prerequisite of CHE 230 or CHE 231.
Typically offered in Spring.

CHE 321. Analytical Chemistry I. 3 Credits.
Pre / Co requisites: CHE 321 requires prerequisite of CHE 104.
Typically offered in Fall & Spring.

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 105 or CHE 106 or CHE 341 and MAT 161 and MAT 162 and PHY 170 and PHY 180.
Typically offered in Spring.

CHE 371. Forensic Chemistry. 3 Credits.
Introduction to criminalistics (chemical, forensic, analytical techniques) with the role, functions, operations, and organization of a scientific police laboratory.
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 methods.
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 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.
Typically offered in Fall & Spring.
Repeatable for Credit.

CHE 451. Internship in Forensic Chemistry. 1-12 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 Department of Chemistry faculty member. The analytical methodology in the laboratory will include techniques applicable to bio-medical research.
Consent: Add consent.
Typically offered in Fall & Spring.

CHE 452. Internship in Chemistry-Biology. 6-12 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 criministics.
Pre / Co requisites: CHE 452 requires prerequisites of CHE 232 and CHE 471 and BIO 357.
Consent: Add consent.
Typically offered in Fall & Spring.
Repeatable for Credit.

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 prerequisite of CHE 232.
Typically offered in Spring.

CHE 480. Research in Chemistry. 2-6 Credits.
The student carries out an independent chemical research project under the direction of a faculty member. The faculty member assigns the research topic and background literature readings and works closely with the student in the research laboratory giving instruction in laboratory techniques. The student may be required to write a final research report.
Typically offered in Fall & Spring.
Repeatable for Credit.

CHE 491. Seminar in Chemistry. 1 Credit.
Oral presentation of papers based on laboratory or library research.
Consent: Add consent.
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 quantitative analysis and inorganic preparations.
Pre / Co requisites: CRL 104 requires prerequisite of CRL 103 and pre/co-req of CHE 104.
Typically offered in Fall & Spring.

CRL 107. General Chemistry Lab for Allied Health Services. 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 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 CHE 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.

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
crime 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.

B.S. IN BIOCHEMISTRY

Curriculum
This program has been placed in moratorium and is no longer accepting new students.

General Education Requirements (http://catalog.wcupa.edu/
undergraduate/general-education-requirements)
Academic Foundations requirements 12
- English Composition (6 credits)
- Math (3 credits)
- Public Speaking (3 credits)
Science requirements 6
- Behavioral & Social Science requirements 6
- Humanities requirements 6
- Arts requirement 3
- Diverse Communities requirement 3
- Interdisciplinary requirement 3
- Student Electives 9

Additional Baccalaureate Requirements
Writing Emphasis requirements 9

Major Requirements
- 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
- CHE 341 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
- 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
- CRL 476 Experimental Biochemistry I Lab 2

Lab safety exam must be passed before application for graduation. See advisor
for more information

Related/Cognate Requirements
- 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
- 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

Total Minimum Required Credits 120

B.S. IN CHEMISTRY

Curriculum

General Education Requirements (http://catalog.wcupa.edu/
undergraduate/general-education-requirements)
Academic Foundations requirements 12
- English Composition (6 credits)
- Math (3 credits)
- Public Speaking (3 credits)
Science requirements 6
- Behavioral & Social Science requirements 6
- Humanities requirements 6
- Arts requirement 3

Total Minimum Required Credits 120

Degree Progress
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.
Diverse Communities requirement 3
Interdisciplinary requirement 3
Student Electives 9

Additional Baccalaureate Requirements
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 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
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 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

Other Science Requirements
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

Chemistry Electives
Group A Electives:
CHE 333 Advanced Organic Chemistry 3
or CHE 477 Biochemistry II

Group B Electives:
Select 6 semester hours from upper-division chemistry courses 6

Total Minimum Credits Required 120

1 B.S. Chemistry majors may substitute CSC 141 for BIO 110.

Degree Progress
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B.S. IN CHEMISTRY-BIOLOGY
College of Arts & Sciences

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)
Academic Foundations requirements 12
   English Composition (6 credits)

Math (3 credits)
Public Speaking (3 credits)

Science requirements 6
Behavioral & Social Science requirements 6
Humanities requirements 6

PHI 371 Medical Ethics

Arts requirement 3
Diverse Communities requirement 3
Interdisciplinary requirement 3
Student Electives 9

Additional Baccalaureate Requirements
Writing Emphasis requirements 9

Major 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
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
CRL 476 Experimental Biochemistry I Lab 2

Related/Cognate 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

Select one of the following sequences: 8
   PHY 130 General Physics I & PHY 140 General Physics II
   PHY 170 Physics I & PHY 180 Physics II
   MAT 121 Statistics 3
   MAT 161 Calculus I 4

Concentration Electives 2
Selected from upper-division chemistry and biology courses 9-10

Total Minimum Credits Required 120

1 Students in the Chemistry-Biology curriculum must take PHI 371 as a humanities or interdisciplinary general education requirement.
2 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).
Degree Progress
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 FORENSIC AND TOXICOLOGICAL CHEMISTRY

College of Arts & Sciences

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

Academic Foundations requirements 12
- English Composition (6 credits)
- Math (3 credits)
- Public Speaking (3 credits)

Science requirements 6
- Behavioral & Social Science requirements 6
- Humanities requirements 6
- Arts requirement 3
- Diverse Communities requirement 3
- Interdisciplinary requirement 3

Student Electives 9

Additional Baccalaureate Requirements

Writing Emphasis requirements 9

Major 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
CHE 341 Physical Chemistry I 4
CHE 371 Forensic Chemistry 3
CHE 424 Advanced Analytical Chemistry 3
CHE 433 Advanced Topics in Chemistry 3
CHE 451 Internship in Forensic Chemistry 1-12
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

Related/Cognate Requirements

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

BIO 204 Introductory Microbiology 4
BIO 230 Genetics 3
BIO 431 Molecular Genetics 3
BIL 333 Recombinant DNA Methodology 2
CRJ 110 Introduction to Criminal Justice 3
or CRJ 210 Theories of Crime and Delinquency 3
MAT 121 Statistics 3

Total Minimum Required Credits 120

Degree Progress
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 CHEMISTRY

College of Arts & Sciences

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

Academic Foundations requirements 12
- English Composition (6 credits)
- Math (3 credits)
- Public Speaking (3 credits)

Science requirements 6
- Behavioral & Social Science requirements 6
- PSY 100 Introduction to Psychology 3
- Humanities requirements 6
- PHI 180 Introduction to Ethics 3
- Must take a LIT Course
- Arts requirement 3
- Diverse Communities requirement 3
- Interdisciplinary requirement 3
- Student Electives 9

Additional Baccalaureate Requirements

Writing Emphasis requirements 9

Major 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
CHE 341 Physical Chemistry I 4
CHE 476 Forensic Chemistry 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
CHE 341 Physical Chemistry I 4
CHE 411 Advanced Inorganic Chemistry 3
CRL 232 Experimental Organic Chemistry II Lab 2
CRL 341 Experimental Physical Chemistry Lab 2

Lab safety exam must be passed before application for graduation. See advisor for more information

Related/Cognate Requirements

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

BIO 204 Introductory Microbiology 4
BIO 230 Genetics 3
BIO 431 Molecular Genetics 3
BIL 333 Recombinant DNA Methodology 2
CRJ 110 Introduction to Criminal Justice 3
or CRJ 210 Theories of Crime and Delinquency 3
MAT 121 Statistics 3

Total Minimum Required Credits 120
PHY 180  Physics II 4  
MAT 161  Calculus I 4  
MAT 162  Calculus II 4  

**Education Requirements**

EDA 103  Foundations of Special Education 3  
EDA 304  Special Ed Processes/Procedures for Secondary Educators 3  
EDP 300  Democracy and Education 3  
EDP 250  Educational Psychology 3  
EDS 306  Teaching Principles and Field Experience in Secondary Schools 3  
EDS 411  Student Teaching Sec - 1st Half 6  
EDS 412  Student Teaching Sec - 2nd Half 6  
EDR 347  Literacy Development and Secondary Students with Disabilities in Inclusive Classrooms 3  
LAN 382  Teaching English Language Learners PK-12 3  
or ENG 382  Teaching English Language Learners PK-12 3  
SCE 350  Science Education in the Secondary School 3  
or SCB 350  Science Education in Secondary School 3  
ENG 382  Teaching English Language Learners PK-12 3  

**Total Minimum Credits Required** 126

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.

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**Degree Progress**

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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**MINOR IN CHEMISTRY**

**College of Arts & Sciences**

The Department of Chemistry offers a minor in chemistry. The requirements are as follows:

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
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<tr>
<td>CHE 231</td>
<td>Organic Chemistry I</td>
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<tr>
<td>CHE 232</td>
<td>Organic Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CRL 231</td>
<td>Experimental Organic Chemistry I Lab</td>
<td>2</td>
</tr>
<tr>
<td>CHE 321</td>
<td>Analytical Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CRL 321</td>
<td>Analytical Chemistry I Lab</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Three credits of 300-level or higher chemistry elective(s)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Prerequisites**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHE 103</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>CHE 104</td>
<td>General Chemistry II</td>
</tr>
<tr>
<td>CRL 103</td>
<td>Experimental General Chemistry I (LAB)</td>
</tr>
<tr>
<td>CRL 104</td>
<td>Experimental General Chemistry II (LAB)</td>
</tr>
</tbody>
</table>

GPA of at least 2.00 in the minor.

Interview with the Department of Chemistry minor adviser or chair at least once a semester.

**Total Credits** 17
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/_ACADEMICS/HealthSciences/commdisorder/default.asp)
Cheryl D. Gunter (cgunter@wcupa.edu), Chairperson

The Department of Communication Sciences and Disorders offers a program leading to a B.A. in Communicative 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 diagnostic and therapeutic services for children and adults with speech, language, and hearing problems. These services are available to individuals from the University as well as from the surrounding communities.

Programs

Major in Communication Sciences and Disorders
• B.A. in Communicative Disorders (p. 209)

Graduate Opportunities
See the graduate catalog for more information on the Communication Sciences and Disorders program. (http://catalog.wcupa.edu/undergraduate/health-sciences/communication-sciences-disorders)

Policies
• See undergraduate admissions information. (p. 11)
• See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

Academic Policies
1. 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 course 103 or above; SPP 101, SPP 106, SPP 203, SPP 207; any 100-level WRT and any 200-level WRT.

2. Letter grade requirement
   Grades of C–, D, or F earned in major (SPP) 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 one until the prerequisite course is repeated with a grade of C or better.

3. GPA requirement
   A minimum 2.5 cumulative GPA and 2.5 GPA in the major courses are required for all communicative disorders majors to complete the degree program.

For more information, please see the Communication Sciences and Disorders homepage (http://catalog.wcupa.edu/undergraduate/health-sciences/communication-sciences-disorders)

Faculty

Professors
Cheryl D Gunter (cgunter@wcupa.edu) (1999)
Chairperson, Communication Sciences and Disorders
B.A., University of Tennessee; M.A., Memphis State; Ph.D., University of Texas - Austin
Mareile A. Koenig (mkoenig@wcupa.edu) (1990)
Associate Professor, 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
Jennifer W. Means (jmeans@wcupa.edu) (2004)
B.S., M.A., West Chester University; S.L.P.D., Nova Southeastern University

Assistant Professors
Supraja Anand (sanand@wcupa.edu) (2014)
B.Sc., M.Sc., All India Institute of Speech and Hearing; Ph.D., University of Florida
Jeanette Benigas (jbenigas@wcupa.edu) (2014)
B.A., University of Toledo; M.A., Eastern Michigan University; Ph.D., Ohio State University
Sojung Kim (skim@wcupa.edu) (2011)
B.A., Sung Kyun Kwan University (South Korea); M.A., Ohio University; Ph.D., Arizona State University
Patricia Swasey Washington (pwsasey@wcupa.edu) (2009)
B.A., Rutgers University Douglass College; M.A., William Paterson University; Ph.D., Temple University

Instructor
Judith A. Curtin (jcurtin@wcupa.edu) (2001)
B.S., M.S., Marquette University; Au.D., University of Florida

Courses

SPP

SPP 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.

SPP 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 requirements: SPP 106 requires prerequisite of SPP 101.
Gen Ed Attribute: Writing Emphasis.
Distance education offering may be available.

SPP 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.
Cross listed with SPP 110, KIN 110.
SPP 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 in 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: SPP111 requires prerequisite of SPP 110.
Cross listed with SPP 111, KIN 111.

SPP 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.
Distance education offering may be available.

SPP 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: SPP 166 requirement - Majors only.
Distance education offering may be available.

SPP 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: SPP 203 prerequisite requires SPP 101 with a "C" or better.
Distance education offering may be available.

SPP 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: SPP 204 requires prerequisites of SPP 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.

SPP 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: SPP 207 requires prerequisite of SPP 101 with a C or better.

SPP 208. Neurology of Speech & Hearing. 3 Credits.
A study of neuroanatomy and neurophysiology of the speech and hearing mechanism.
Pre / Co requisites: SPP 208 requires pre-requisites SPP 101 and 106.

SPP 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 KIN/SPP 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: SPP 210 requires prerequisite SPP/KIN 111.
Cross listed with KIN 210, SPP 210.

SPP 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 understanding 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.
Cross listed with SPP 211, KIN 211.

SPP 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. SPP 101 is recommended. Suitable for non majors.

SPP 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: SPP 266 requirement - Majors only.
Distance education offering may be available.

SPP 329. Speech & Voice Disorders. 3 Credits.
The symptomatology, etiology, assessment, and treatment of communicative disorders associated with speech and voice.
Pre / Co requisites: SPP 329 requires prerequisites SPP 101, 106, 203, 204 and 207.

SPP 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: SPP 333 requires prerequisite of SPP 204.

SPP 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: SPP 346 requires prerequisites of SPP 106 and SPP 203 (Majors only)

SPP 348. Hearing Disorders Laboratory. 1 Credit.
Laboratory experience to become familiar with most common hearing testing and remediation equipment.
Pre / Co requisites: SPP 350 requires prerequisites of SPP 329 and SPP 333.
Gen Ed Attribute: Writing Emphasis.

SPP 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: SPP 350 requires prerequisites of SPP 329 and SPP 333.

SPP 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.

SPP 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: SPP 366 requirement - Majors only.
Distance education offering may be available.

SPP 401. Foundations of Research in Communication Sciences & Disorders. 3 Credits.
Pre / Co requisites: SPP401 requires prerequisite of SPP101.

SPP 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: Add consent. Repeatable for Credit.

SPP 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.

SPP 498. Workshop In Communicative Disorders. 3 Credits.
Contact department for more information about this course. Repeatable for Credit.
B.A. IN COMMUNICATIVE DISORDERS

College of Health Sciences

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

<table>
<thead>
<tr>
<th>Academic Foundations requirements</th>
<th>12</th>
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<tbody>
<tr>
<td>English Composition (6 credits)</td>
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</tr>
<tr>
<td>Math (3 credits)</td>
<td></td>
</tr>
<tr>
<td>Public Speaking (3 credits)</td>
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</table>

<table>
<thead>
<tr>
<th>Science requirements</th>
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<tr>
<td>Behavioral &amp; Social Science</td>
<td>6</td>
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<tr>
<td>Humanities requirements</td>
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<tr>
<td>Arts requirement</td>
<td>3</td>
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<td>Diverse Communities requirement</td>
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<tr>
<td>Interdisciplinary requirement</td>
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<tr>
<td>Student Electives</td>
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</table>

<table>
<thead>
<tr>
<th>Additional Baccalaureate Requirements</th>
<th>9</th>
</tr>
</thead>
<tbody>
<tr>
<td>Writing Emphasis requirements</td>
<td></td>
</tr>
</tbody>
</table>

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

SPP 101 Introduction to Communicative Disorders 3
SPP 106 Anatomy of Speech and Hearing Mechanisms 3
SPP 163 Seminar I in Communicative Disorders 0.5
SPP 166 Seminar II in Communicative Disorders 0.5
SPP 203 Speech and Hearing Science 3
SPP 204 Speech and Language Development 3
SPP 207 Introduction to Phonetics 3
SPP 208 Neurology of Speech & Hearing 3
SPP 266 Seminar III in Communicative Disorders 0.5
SPP 329 Speech & Voice Disorders 3
SPP 333 Language Disorders 3
SPP 346 Hearing Disorders 3
SPP 348 Hearing Disorders Laboratory 1
SPP 350 Clinical Principles in Communicative Disorders 3
SPP 363 Seminar IV in Communicative Disorders 0.5
SPP 366 Seminar V in Communicative Disorders 0.5
SPP 463 Seminar VI in Communicative Disorders 0.5

Electives

Select up to 17 semester hours of electives 17

Total Minimum Credits Required 120

Degree Progress

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.
Program Admission Requirements (B.A. and Minor Programs)

Applicants who have completed the prerequisite core (COM 219, COM 224, and SPK 208) will be ranked by grade point average in the core. Selection for admission will be based on these rankings at the conclusion of each semester, after grades are posted. Students who do not gain admission may reapply, but they must compete with the group of applicants in that semester.

Faculty

Professors

- Timothy J. Brown (tbrown@wcupa.edu) (2002)
- Chairperson, Communication Studies

- B.A., M.A., West Chester University; Ph.D., Ohio State University

- Kevin W. Dean (kdean@wcupa.edu) (1991)
- Director, Honors College

- B.S., Bowling Green University; M.A., Miami University of Ohio; Ph.D., University of Maryland

- Anita K. Foeman (afoeman@wcupa.edu) (1991)
- B.H., Defiance 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

- 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

- 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

- Mary Elizabeth Braz (mbraz@wcupa.edu) (2008)
- Graduate Coordinator, Communication Studies

- B.A., Michigan State University; M.A., Northern Illinois University; Ph.D., Michigan State University

- Bessie Lee Lawton (blawton@wcupa.edu) (2008)
- B.A., M.A., University of the Philippines; Ph.D., University of Pennsylvania

- Michael V. Pearson (mpearson@wcupa.edu) (1988)
- B.A., Iona College; M.A., William Patterson College; Ph.D., Temple University

Programs

Major in Communication Studies

- B.A. in Communication Studies (p. 213)

Minor in Communication Studies

- Communication Studies (p. 214)

Graduate Opportunities

See the graduate catalog for more information on the Communication Studies program. (http://catalog.wcupa.edu/graduate/arts-sciences/communication-studies)
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 202. Writing for Broadcast and Public Relations. 3 Credits.
Students are required to analyze, evaluate, and produce scripts for a variety of mass media networks. 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. COM 202 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.

COM 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.

COM 204. Interpersonal Communication. 3 Credits.
One-on-one communication to give the student a fundamental understanding of the processes and experiences of the most basic type of human communication. Typically offered in Fall & Spring.

COM 212. Mass Communication. 3 Credits.
A survey course designed to identify, analyze, and evaluate the pragmatic, persuasive, creative, and technical dimensions of mass media. Distance education offering may be available. Typically offered in Fall & Spring.

COM 216. Small Group Communication. 3 Credits.
Introduction to and practice in the structured small group. Emphasis on preparation for, analysis of, and participation in problem-solving oriented groups. COM 216 may no longer be used to fulfill a general education COM requirement. Typically offered in Fall & Spring.

COM 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.

COM 219. Communication Theory. 3 Credits.
A study of human communication that includes a historical view of the field, examinations of definitions of communication, analyses of the nature of theory and the process of theorizing, assessment of perspectives of communication, and construction of models of communication. Distance education offering may be available. Typically offered in Fall, Spring & Summer.

COM 224. Communication Research. 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. Distance education offering may be available. Typically offered in Fall, Spring & Summer.

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.

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 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. Gen Ed Attribute: Foreign Language Cult. Cluster. Typically offered in Fall.

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.

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.
Typically offered in Spring.

COM 318. Forensics. 3 Credits.
Study in the philosophy and practice of forensics. Initiating, developing, and administrating a forensics 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 and COM 219 and COM 224 and THA 103.
Typically offered in Fall.

COM 325. Strategic Social Media. 3 Credits.
This course explores the historical landscape, best marketing practices and mobilization through social media in the twenty first century. Topics covered include media literacy, personal identity, community, globalization and the convergence culture.
Pre / Co requisites: COM 325 requires prerequisite of COM 219, COM 224 and SPK 208.
Typically offered in Fall & Spring.

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.
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.
Typically offered in Fall.

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 and COM 219 and COM 224.
Typically offered in Fall & Spring.

COM 360. African American Culture and Communication. 3 Credits.
This course will examine communication practices from an African American cultural perspective.
Pre / Co requisites: COM 360 requires prerequisites COM 219, COM 224 and SPK 208.
Typically offered in Fall.

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.
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.
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 advertisement and specials.
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 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 prerequisite of COM 204, 219, 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 prerequisite of COM 219, 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 a prerequisite of COM 212, 219, 224, and SPK 208. Typically offered in Fall & Spring.

COM 470. Intercultural Communication Training. 3 Credits.
This course explores intercultural communication training in organizations. Topics covered include the effects of cultural differences on communication within and between organizations, training strategies for managing cultural differences in communication, and the relationship between intercultural communication training and the power structures in organizations.
Pre / Co requisites: COM 470 requires prerequisite COM 219, 224, and SPK 208. Typically offered in Spring.

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 prerequisite of COM 219, 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 key theories across the communication studies field.
Pre / Co requisites: COM 490 requires prerequisites of COM 219, 224, SPK 208 and any two 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: COM 219, 224, SPK 208 and any two of the following courses: COM 309, 340, 403, 404, 405 or 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 prerequisite of COM 204, 219, 224, and SPK 208 and any two of the following courses: COM 307, 360, 410, 440, 445, 470 or 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 in the communications studies field.
Pre / Co requisites: COM 493 requires prerequisites: COM 212, 219, 224, SPK 208 and any two of the following courses: COM 317, 320, 325, 355, 455, or 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.

SPK

SPK 199. Transfer Credits. 1-10 Credits.
Transfer Credits.
Repeatable for Credit.

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.
Typically offered in Fall, Spring & Summer.

SPK 230. Business and Professional Speech Communication. 3 Credits.
LAB, LEC.
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.

B.A. IN COMMUNICATION STUDIES

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

Academic Foundations requirements 12
English Composition (6 credits)
Math (3 credits)
Public Speaking (3 credits)
Science requirements 6
Behavioral & Social Science requirements 6
Humanities requirements 6
Arts requirement 3
Diverse Communities requirement 3
Interdisciplinary requirement 3
Student Electives 9

Additional Baccalaureate Requirements
Writing Emphasis requirements 9
Language/Culture Requirements
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 Requirements 1

COM 204 Interpersonal Communication 3
COM 212 Mass Communication 3
COM 216 Small Group Communication 3
COM 219 Communication Theory 3
COM 224 Communication Research 3
SPK 208 Public Speaking 3

Three of the required lower-division courses (COM 219, COM 224, and SPK 208) are prerequisites for all upper-division communication studies 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

**Additional Notes**

1. A grade of C or better must be earned in a COM or SPK course in order for it to meet a department requirement. Also, a 2.5 average or better must be earned in the aggregate of lower- and upper-division courses before graduation will be recommended.

2. To encourage B.A. communication studies majors to develop communication competence that extends beyond oral communication, a grade of C or better is required in WRT 120 and the 200-level composition course (WRT 200, WRT 204, WRT 205, WRT 206, WRT 208, or WRT 220), and a grade of C- or better is required in the 202-level course in another language. If a major employs the culture cluster option to fulfill his/her language requirement, a C- or better is required in the 102 level of the language course and in each of the culture cluster courses.

3. Students who exhaust their course repeat options and have not earned a grade of C or better in all the prerequisite communication courses will be advised that they will not be able to complete the requirements for a B.A. in communication studies. The department chair will offer an exit interview and help them to identify available alternatives.

**Degree Progress**

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.

**Year One**

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<tr>
<th>Semester One</th>
<th>Credits</th>
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<tr>
<td>SPK 208 Public Speaking</td>
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<td>COM 219 Communication Theory</td>
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<td>WRT 120 Effective Writing I</td>
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<td>Language 101</td>
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<td>Gen Ed Distribute</td>
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**Year Two**

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<th>Semester Two</th>
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<tr>
<td>COM 224 Communication Research</td>
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<tr>
<td>COM 204, 216, or 212 Interpersonal Communication</td>
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<tr>
<td>MAT 103 (or higher) Introduction to Mathematics</td>
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<tr>
<td>Language 102</td>
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<td>Gen Ed Distribute</td>
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**Year Three**

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<th>Semester Three</th>
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<td>Choose two COM courses:</td>
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<td>COM 204, 216, Interpersonal Communication or 212</td>
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<tr>
<td>Language 201 or Language Culture Cluster</td>
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<td>Gen Ed Distribute</td>
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<td>Gen Ed Distribute or Writing Emphasis</td>
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Apply for formal admission to Communication Studies

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<tr>
<td>Semester Four</td>
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<td>Language 202 or language culture cluster</td>
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<td>Gen Ed Distributive</td>
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<tr>
<td>Diversity or Interdisciplinary</td>
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<td>Writing Emphasis</td>
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<td>Semester Five</td>
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<td>COM upper</td>
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<td>Gen Ed Distributive or Elective</td>
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<td>Applied Area (minor)</td>
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<td>Gen Ed Distributive</td>
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<td>Applied Area (Minor)</td>
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<tr>
<td>Applied Area (Minor)</td>
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<tr>
<td>Applied Area (Minor)</td>
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| Elective | 3 |

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**MINOR IN COMMUNICATION STUDIES**

*College of Arts & Sciences*

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” above. Once students are admitted, they must complete three courses (nine semester hours) 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. (COM 400, Internship, may not be selected to meet the program requirements.) A C grade or better must be earned in each of the
courses used to meet the minor requirements. 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). A 2.5 GPA must be achieved in the aggregate of minor courses before clearance for graduation with a minor will be granted.
DEPARTMENT OF COMPUTER SCIENCE

College of Arts & Sciences
25 University Avenue, Room 150
610-436-2204
Department of Computer Science (http://www.cs.wcupa.edu)
James D. Fabrey (jfabrey@wcupa.edu), 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 adviser to ensure that all requirements are being met.

Programs

Major in Computer Science
- B.S. in Computer Science (p. 218)

Minors in Computer Science
- Computer Science (p. 219)
- Information Technology (p. 219)
- Web Technology and Applications (p. 219)

Other Programs in Computer Science
- Computer Security (p. 219)

Graduate Opportunities
See the graduate catalog for more information on the Computer Science program. (http://catalog.wcupa.edu/graduate/arts-sciences/computer-science)

Policies
- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

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

Advanced Placement Credit
The following guidelines will be used to determine college credit when evaluating Advanced Placement scores in computer science.

Computer Science A 3,4,5
or AB

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.

Faculty

Professors
Richard G. Epstein (repstein@wcupa.edu) (1991)
B.A., George Washington University; M.S.E., University of Pennsylvania; Ph.D., Temple University
James D. Fabrey (jfabrey@wcupa.edu) (1975)
Chairperson, Computer Science
A.B., Cornell University; Ph.D., Massachusetts Institute of Technology

Associate Professors
Afrand Agah (aagah@wcupa.edu) (2006)
Graduate Coordinator
Assistant Chairperson, Computer Science
B.S., Tehran Poly-Technique; M.S., Kansas State University; Ph.D., University of Texas at Arlington
Zhen Jiang (zjiang@wcupa.edu) (2002)
M.S., University of Reading; Ph.D., Temple University
Bin Lu (blu@wcupa.edu) (2005)
B.S., M.S., Harbin Institute of Technology (China); Ph.D., Texas A&M University
Richard W. Wyatt (rwyatt@wcupa.edu) (1989)
B.A., B.S., M.A., University of Melbourne; Ph.D., University of California, Berkeley; M.Sc., State University of New York at Buffalo
Cheer-Sun D. Yang (cyang@wcupa.edu) (2000)
B.S., M.B.A., Tamkang University; M.S., Kansas State University; Ph.D., University of Delaware

Assistant Professors
Richard Burns (rburns@wcupa.edu) (2012)
B.A., Saint Joseph’s University; M.A., University of Delaware
Xiaojun Ruan (xruan@wcupa.edu) (2011)
B.S., Shandong University (China); Ph.D., Auburn University

Courses

CSC
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.
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.
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.
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 220. 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 220 requires prerequisites of MAT 151 and MAT 161.
Typically offered in Fall & Spring.

CSC 240. Computer Science III. 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 StringBuilder and StringTokenizer 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.
Pre / Co requisites: CSC 240 requires prerequisites of CSC 142.
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 C++. 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, 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 C compiler demonstrates a realistic usage of pointers, and bitwise operations of assemble language.
Pre / Co requisites: CSC 242 requires prerequisites of CSC 142 and MAT 151.
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 do 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 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 Pre Req - 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 prerequisites 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: process 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.
Typically offered in Fall.

CSC 336. Data Communications and Networking II. 3 Credits.
An in-depth study of various aspects of modern data communication system. 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 220 and 241.
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: Add consent.
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 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 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 focus will be chosen on an AI language such as Common Lisp or Prolog. Pre / Co requisites: 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: Add consent. Gen Ed Attribute: Writing Emphasis. Typically offered in Fall, Spring & Summer. Repeatable for Credit.

CSC 495. Topics in Computer Science. 3 Credits.

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: Add consent. Gen Ed Attribute: Writing Emphasis. Typically offered in Fall, Spring & Summer. Repeatable for Credit.

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 introduces the fundamentals of networks and systems administration. Typically offered in Spring.

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 122. Introduction to Web Programming. 3 Credits.
Beginning with an introduction to project management, the course will look at specific design practices and technology integration. In addition, the course will focus on learning to use a commercial editor and delve into server-sided scripting languages. For non-majors only. This can be used as a capstone fulfillment. Pre / Co requisites: CSC 220 and CSC 241. Typically offered in Fall, Spring & Summer.

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 continue the design and methodologies practices that were begun in CSW 131. Beginning with an introduction to project management, the course will look at specific design practices and technology integration. In addition, the course will focus on learning to use a commercial editor and delve into server-sided scripting languages. For non-majors only. This can be used as a capstone fulfillment. Pre / Co requisites: CSW 131 and CSC 115. Typically offered in Fall & Spring.

B.S. IN COMPUTER SCIENCE

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

| Academic Foundations requirements | 12 |
| English Composition (6 credits) |  |
| Math (3 credits) |  |
| MAT 151 Introduction to Discrete Mathematics |  |
| Public Speaking (3 credits) |  |
| Science requirements | 6 |
| Behavioral & Social Science requirements | 6 |
| Humanities requirements | 6 |
| Arts requirement | 3 |
| Diverse Communities requirement | 3 |
| Interdisciplinary requirement | 3 |
| Additional Baccalaureate Requirements |  |
| Writing Emphasis requirements | 9 |
| Student Electives | 9 |
| Major Requirements |  |
| CSC 141 Computer Science I | 3 |
| CSC 142 Computer Science II | 3 |
| 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 |
| CSC 345 Programming Language Concepts/Paradigms | 3 |
| CSC 402 Software Engineering | 3 |
| Select one of the following: |  |
| CSC 416 Design/Construction Compilers | 3 |
| CSC 417 User Interfaces |  |
| CSC 496 Topics in Complex Large-Scale Systems |  |
| Computer Science 300- and 400-Level Electives |  |
| A minimum of 6 semester hours of 400-level courses is required. If CSC 416 and CSC 417 are both taken, one can be used here. Three semester hours of the 6-semester hour internship CSC 400 can be used here. | 18 |
| Related/Cognate Requirements |  |
| ENG 368 Business and Organizational Writing | 3 |
### MINOR IN COMPUTER SCIENCE

**College of Arts & Sciences**

Baccalaureate students may receive transcript recognition for a minor area of study in computer science by completing the following six required courses:

<table>
<thead>
<tr>
<th>Course Code</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 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>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>
</tbody>
</table>

**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 Arts & Sciences**

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:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 115</td>
<td>Introduction to Computer Programming</td>
<td>3</td>
</tr>
<tr>
<td>CSC 301</td>
<td>Computer Security I</td>
<td>3</td>
</tr>
<tr>
<td>CST 221</td>
<td>Database Systems</td>
<td>3</td>
</tr>
<tr>
<td>CST 235</td>
<td>Network and System Administration</td>
<td>3</td>
</tr>
<tr>
<td>CSW 131</td>
<td>Introduction to Web Design</td>
<td>3</td>
</tr>
<tr>
<td>CSW 315</td>
<td>Introduction to Web Programming</td>
<td>3</td>
</tr>
</tbody>
</table>

**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 Arts & Sciences**

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)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 113</td>
<td>Digital Media</td>
<td>3</td>
</tr>
<tr>
<td>COM 201</td>
<td>Fundamentals of Communication Technology</td>
<td>3</td>
</tr>
<tr>
<td>CSW 131</td>
<td>Introduction to Web Design</td>
<td>3</td>
</tr>
</tbody>
</table>

**Select one elective from each of the three different departments**: 9

- ART 210: Typographic 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. At least one of these electives must be a designated capstone project course.

### CERTIFICATE IN COMPUTER SECURITY

**College of Arts & Sciences**

Students can receive a certificate in computer security that will appear on their transcripts. (43 semester hours)

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</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>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>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 302</td>
<td>Computer Security II</td>
<td>3</td>
</tr>
<tr>
<td>CSC 331</td>
<td>Operating Systems</td>
<td>3</td>
</tr>
<tr>
<td>CSC 335</td>
<td>Data Communications and Networking</td>
<td>3</td>
</tr>
<tr>
<td>CSC 402</td>
<td>Software Engineering</td>
<td>3</td>
</tr>
</tbody>
</table>

**Select two different courses from the following**: 6

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 300</td>
<td>Cooperative Programming</td>
<td>3</td>
</tr>
<tr>
<td>CSC 400</td>
<td>Internship</td>
<td>3</td>
</tr>
<tr>
<td>CSC 490</td>
<td>Independent Project in Computer Science (IA topic)</td>
<td>3</td>
</tr>
<tr>
<td>CSC 499</td>
<td>Independent Study in Computer Science (IA topic)</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 380</td>
<td>Computer Crime</td>
<td>3</td>
</tr>
<tr>
<td>MAT 415</td>
<td>Introduction to Cryptography</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits**: 46

**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
Graduate Center, Suite 102
1160 McDermott Drive
610-436-2559
Department of Counselor Education (http://www.wcupa.edu/_academics/coed/departments/counseloreducation/default.asp)
Matthew Snyder (msnyder@wcupa.edu), Chairperson

All Counselor Education courses are now taught at the graduate level. Please see the Graduate Catalog for offerings (http://catalog.wcupa.edu/graduate/education/counselor-education).
DEPARTMENT OF CRIMINAL JUSTICE

College of Business & Public Affairs

200 Ruby Jones Hall
610-436-2647
Department of Criminal Justice (http://www.wcupa.edu/_academics/sch_sba/criminaljustice/default.asp)
Mary Brewster (mbrewster@wcupa.edu), 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 permits students to tailor their academic careers to their professional goals;
3. a venue for the development of critical analysis and communication skills; and
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; and
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.

Programs

Major in Criminal Justice

• B.S. in Criminal Justice (p. 223)

Minor in Criminal Justice

• Criminal Justice (p. 224)

Graduate Opportunities

See the graduate catalog for more information on the Criminal Justice program. (http://catalog.wcupa.edu/graduate/business-public-affairs/criminal-justice)

Policies

• See undergraduate admissions information. (p. 11)
• See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

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 (jnestlerod@wcupa.edu) (1986)
B.A., Pennsylvania State University; J.D., Widener University

Associate Professor

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

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
This course explores the evolution of the relationship between race and the criminal justice system, including the historical role that race has played in the criminal justice system. The impact of race and ethnicity on the system will be examined at both the adult and juvenile levels.

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 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 HON310.

CRJ 304. Introduction to Comparative Justice Systems. 3 Credits.
This course provides an in-depth examination of the various facets and interests of the society and the criminal justice system.

CRJ 308. Environmental Crime. 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 society and the criminal justice system. It will cover the commission of animal cruelty within society and the criminal justice system.

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 placed on relating this survey and analysis to contemporary practice and the analysis of evidence supportive of various theoretical positions.

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 316. Sex Crimes & the Law. 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 society and the criminal justice system.

CRJ 318. 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 society and the criminal justice system.

CRJ 320. 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 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 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: CRJ350 requires a prerequisite of CRJ240.

CRJ 360. Race, Ethnicity and Criminal Justice. 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 society and the criminal justice system.

CRJ 370. Theories of 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 society and the criminal justice system.

CRJ 380. Theories of Sexual Deviance. 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 society and the criminal justice system.

CRJ 390. Theories of Social and Economic Crime. 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 society and the criminal justice system.

CRJ 400. Theories of International Terrorism. 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 society and the criminal justice system.

CRJ 410. Theories of Domestic Terrorism. 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 society and the criminal justice system.

CRJ 420. Theories of Organized Crime. 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 society and the criminal justice system.

CRJ 430. Theories of 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 society and the criminal justice system.

CRJ 440. Theories of Social and Economic Crime. 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 society and the criminal justice system.

CRJ 450. Theories of International Terrorism. 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 society and the criminal justice system.

CRJ 460. Theories of Domestic Terrorism. 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 society and the criminal justice system.
CRJ 365. Victimology. 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 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 387. Elements of Criminal Justice. 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 analyses of research studies conducted by others in the field of criminal justice.

Pre / Co requisites: CRJ 387 PREREQ requires students to complete the following courses with an "C" or better: CRJ 110, CRJ 210, and a WRT 200 level course. Honors students must have a "C" or better in HON 310.

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 435. Interviewing and Assessing the Offender. 3 Credits.
This course offers the undergraduate student an understanding of the psychology of interviewing and assessing suspects, witnesses and victims. 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.
Contact department for more information about this course.

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. PREREQ: Junior or senior CRJ major or with permission of instructor. 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. Repeatable for Credit.

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 & Public Affairs

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>Academic Foundations</td>
<td>12</td>
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<tr>
<td>English Composition (6 credits)</td>
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<tr>
<td>Math (3 credits)</td>
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<tr>
<td>Public Speaking (3 credits)</td>
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<tr>
<td>Science requirements</td>
<td>6</td>
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<tr>
<td>Behavioral &amp; Social Science requirements</td>
<td>6</td>
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<tr>
<td>Humanities requirements</td>
<td>6</td>
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<tr>
<td>Arts requirement</td>
<td>3</td>
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<tr>
<td>Diverse Communities requirement</td>
<td>3</td>
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<tr>
<td>Interdisciplinary requirement</td>
<td>3</td>
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<tr>
<td>Student Electives</td>
<td>9</td>
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<tr>
<td>Additional Baccalaureate Requirements</td>
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<tr>
<td>Writing Emphasis requirements</td>
<td>9</td>
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Major Requirements

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<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>
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<td>Course</td>
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<tr>
<td>CRJ 287</td>
<td>Policing in America</td>
<td>3</td>
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<tr>
<td>CRJ 300</td>
<td>Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 387</td>
<td>Elements of Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 400</td>
<td>Criminal Procedure</td>
<td>3</td>
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<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 | 27

**Total Minimum Credits Required** | 120

1 A minimum grade of C is required in all criminal justice and related-area 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.

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.

**Degree Progress**
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 CRIMINAL JUSTICE**
*College of Business & Public Affairs*

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<td>3</td>
</tr>
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<td>CRJ 400</td>
<td>Criminal Procedure</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits** | 21

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.

1 A minimum grade of C is required in all criminal justice and related-area 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.
DEPARTMENT OF EARLY AND MIDDLE GRADES EDUCATION

College of Education
106B Recitation Hall
610-436-2944
Department of Early and Middle Grades Education (http://www.wcupa.edu/_academics/coed/departments/earlymiddlegrades/default.asp)
Heather Leaman (bleaman@wcupa.edu), 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. in Education - Early Grades Preparation (PreK-4) (p. 228)
- B.S. in Education - Middle Grades Preparation Grades 4-8 (p. 230)

Minors in Early and Middle Grades Education
- Early Childhood Education (p. 231)
- Elementary Education (p. 231)

Graduate Opportunities
See the graduate catalog for more information on the Early and Middle Grades Education program. (http://catalog.wcupa.edu/graduate/education/early-middle-grades-education)

Policies
- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

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. 239) 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, MÁT 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 remain 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 premajors 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, as established by the Pennsylvania Department of Education (PDE), on the Pearson PAPA test 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 preapproved, 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.

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
David F. Brown (dbrown@wcupa.edu) (1991)
B.S., M.S., Northern Illinois University; Ed.D., University of Tennessee
Wei Cai (wcai@wcupa.edu) (1996)
B.A., Beijing Teachers College; M.A., Bloomsburg University; Ed.D., Indiana University of Pennsylvania
Connie Dilucchio (cdilucchio@wcupa.edu) (2003)
Graduate Coordinator, Early and Middle Grades Education
B.S., M.E., Pennsylvania State University; Ed.D., University of Pennsylvania
Heather Leaman (hleaman@wcupa.edu) (2005)
Chairperson, Early and Middle Grades Education

B.S., M.Ed., Millersville University; Ph.D., Pennsylvania State University
Catherine M. Prudhoe (cprudhoe@wcupa.edu) (1992)
Graduate Coordinator, Early and Middle Grades Education
B.S., M.S., Pennsylvania State University; Ph.D., University of Delaware

Associate Professors
Linda G. Hanna (lhanna@wcupa.edu) (1995)
B.A., Immaculata College; M.A., Villanova University; Ed.D., Immaculata College
Karen Johnson (kjohnson@wcupa.edu) (2007)
Assistant 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)
B.S., M.A., West Chester University; Ph.D., University of Delaware
Lisa J. Lucas (llucas@wcupa.edu) (2008)
Graduate Coordinator, Early and Middle Grades Education
B.A., Lock Haven University; M.Ed., Cabrini College; Ed.D., Immaculata University
Katherine Norris (knorris@wcupa.edu) (2007)
B.S., West Chester University; M.S., Saint Joseph's University; Ed.D., Temple University
Vicky M. Patton (vpatton@wcupa.edu) (2002)
B.A., M.A., University of Canterbury (New Zealand); Ph.D., Temple University
Donna R. Sanderson (dsanderson@wcupa.edu) (2001)
B.S., James Madison University; M.S., Widener University; Ed.D., University of Pennsylvania

Assistant Professor
Jacqueline G. Van Schooneveld (jvanschoon@wcupa.edu) (2013)
B.S., Bucknell University; M.Ed., Columbia University

Instructor
James B. Blackburn (jblackburn@wcupa.edu) (1995)
B.S., Shippensburg State College; M.A., Villanova University
Laura Fiorenza (kfiorenza@wcupa.edu) (1991)
B.A., M.Ed., West Chester 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.

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 K-3 grade classrooms.
Pre / Co requisites: ECE 308 requires formal admission to teacher education.

ECE 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.

ECE 311. Families and Early Childhood Education. 3 Credits.
This course will address the role of parents of young children within the context of school, home and society as well as culture, traditions and current issues. Students will investigate strategies for fostering home-school partnerships that enhance child development and educational success.
Pre / Co requisites: ECE 322 requires prerequisite of SOC 240.

ECE 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.

ECE 314. The Visual Arts in the Early Childhood Curriculum. 3 Credits.
This course prepares the pre-primary ECE teacher in the rationale for and use of visual arts in preschool and pre-kindergarten settings. This course is not applicable in BSED programs.

ECE 321. Middle Childhood and Adolescent Development. 3 Credits.
Physical, social, emotional, intellectual, and moral development of the child 5-8 years of age. Parallels are drawn from this phase of child development to students' self-development.

ECE 404. Integrated Learning in Kindergarten. 3-6 Credits.
The focus of this course is on curricular content and developmentally appropriate experiences in various kindergarten programs.
Pre / Co requisites: ECE 404 requires formal admission into teacher education or Early Childhood Minor.

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.

ECE 410. STUDENT TEACHING - 1ST HALF. 6 Credits.
Contact department for more information about this course.
Pre / Co requisites: ECE 410 requires formal admission into teacher education.

ECE 411. Student Teaching - 2nd Half. 6 Credits.
(Second half of semester) Two separate student teaching experiences are required: one in nursery or kindergarten and one in grades 1-3. Weekly practicum sessions are required.
Pre / Co requisites: ECE 411 requires formal admission into teacher education.

ECE 412. Early Childhood Internship and Seminar. 6 Credits.
This capstone course will cover infant, preschool and school age care. Students will spend the semester in either an infant, toddler, preschool or school age early childhood setting. Weekly seminar sessions are required. Open to TEACH students only.

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.

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.

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.

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 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 302. Teaching the Language Arts. 3 Credits.
Study of teaching language skills in the elementary school: listening, speaking, and writing.
Pre / Co requisites: EDE 302 requires prerequisite of EDE 251.

EDE 332. Teaching Social Studies in Elementary School. 3 Credits.
Methods of teaching social studies and geography in the elementary curriculum. Techniques, current research projects, reading materials, audio visual aids, resource persons, and field trips used as tools of learning. The organization, development, and use of resource units are stressed.
Pre / Co requisites: EDE 332 requires prerequisites of EDE 251 and formal admission into teacher education.
Gen Ed Attribute: Diversity Requirement, Writing Emphasis.

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.

EDE 401. Creativity in the Classroom. 3 Credits.
Exploration of materials and processes of children's perceptions and behavior, aimed at encouraging the development of their critical and creative potentials.
Pre / Co requisites: EDE 401 requires formal admission into teacher education and co-requisite of EDE 312 or EDR 312.

EDE 406. Classroom Management. 3 Credits.
Detailed investigation of the elementary teacher's role in classroom management. Teacher influence, personality, and class interaction; class roles and expectation; seating plans; discipline; referral; and the teacher's role in evaluating and identifying potential problems in children.
Pre / Co requisites: EDE 406 requires formal admission into teacher education and co-requisite of EDE 312 or EDR 312.

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: Add consent.

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: Add consent. Repeatable for Credit.

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 prerequisite field clearances and 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 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. Pre / Co requisites: EGP 326 requires prerequisite EGP 209 and 210. Typically offered in Fall, Spring & Summer.

EGP 335. Teaching Social Studies and Health in the Early 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: EGP 335 requires prerequisite EGP 220, Formal Admission to Teacher Education and field clearances. Gen Ed Attribute: Writing Emphasis. Typically offered in Fall & Spring.

EDE 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.

EDE 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 prerequisite EDP200 and 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. IN EDUCATION - EARLY GRADES PREPARATION (PREK-4)

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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<td>Academic Foundations requirements</td>
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<tr>
<td>English Composition (6 credits)</td>
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<td>MAT 101 (3 credits)</td>
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<td>Public Speaking (3 credits)</td>
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<td>Science Requirements</td>
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<td>SCI 101</td>
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<tr>
<td>SCI 102</td>
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<tr>
<td>Behavioral &amp; Social Science requirements</td>
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<tr>
<td>GEO 101 must be one of the Behavioral &amp; Social Science courses</td>
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<tr>
<td>Humanities requirements</td>
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College of Education
HIS 150
LIT 219
Arts Requirement 3
MDA 240
Diverse Communities requirement 3
ENG 382 or LAN 382
Interdisciplinary requirement 3
Student Electives 9

Additional Baccalaureate Requirements
Writing Emphasis requirements 9

Major Requirements
MAT 102 Mathematics for Teachers of Children II 3
EDA 103 Foundations of Special Education 3
EDF 255 Evolution of Schooling in U.S. 3
EGP 209 Child Development: Prebirth - 5 Years 3
EGP 210 Middle Childhood & Adolescent Development 3
EGP 220 Theory/Field Experiences in the Early Grades 3
EDR 304 Teaching Language Arts Pre-K-4 3
EDR 307 Foundation in Reading PreK-4 3
EGP 322 Pre-K Methods and Field 6
EGP 326 Families and Community Relations 3
EGP 353 Assessment for Learning: Early Grades 3
EDP 353 Assessment of Learning: Early Grades 3
EGP 345 Literacy Development and Students in Inclusive Classrooms 3
MAT 351 Methods for Teaching Children Math 3
SCE 320 Science Methods for Grades PK-4 3
ED 303 Special Ed: Processes/Procedures for General Educators 2
EDM 349 Technology Tools to Transform Teaching and Learning 1
EDR 304 Teaching Language Arts Pre-K-4 3
EGP 326 Families and Community Relations 3
EGP 335 Teaching Social Studies and Health in the Early Grades 3
EGP 400 Classroom Management 3
EGP 402 Engaging Learners: Integrating Academic/Social Development for High Achieving Equitable Classrooms 3
EGP 410 Student Teaching 6
EGP 411 Student Teaching 6

Total Minimum Credits Required 120

Degree Progress
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; courses offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

Year One

Semester One

<table>
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<tr>
<th>Course</th>
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<td>GEO 101 or HIS 150</td>
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<td>SCI 101</td>
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Semester Two

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Year Two

Semester Three

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<td>MAT 102</td>
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<td>EGP 210</td>
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<td>SCI 102</td>
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Semester Four

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<td>EGP 220</td>
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<td>EDR 304</td>
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<td>EGP 326</td>
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<td>EGP 353</td>
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Semester Five

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<td>EDP 353</td>
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<td>SCE 320</td>
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<td>MAT 351</td>
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Semester Six

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<td>EGP 322</td>
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<td>EDM 349</td>
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Credits

Year One 15-18
Year Two 15-18
Year Three 15
Year Four 15-18
Year Five 15-18
Year Six 15
Attend mandatory student teaching pre-registration meeting one year before student teaching (Ex. Spring 2018 student teachers attend meeting Spring 2017)

<table>
<thead>
<tr>
<th>Year</th>
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<th>Courses</th>
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<td>Four</td>
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<td>EDR 317 (take semester 6 or 7) Reading Instruction and Practicum PreK-4 6</td>
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<td>EGP 400 (take semester 6 or 7) Classroom Management 3</td>
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<td>EGP 402 (take semester 6 or 7) Engaging Learners: Integrating Academic/Social Development for High Achieving Equitable Classrooms 3</td>
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<td>Elective (take semester 6 or 7) 3</td>
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<td></td>
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<td>Complete PECT-PreK-4 Test Modules</td>
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<th>Semester</th>
<th>Credits</th>
<th>Courses</th>
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<tr>
<td>Eight</td>
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<td>EGP 411 (take semester 6 or 7) Student Teaching 6</td>
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<td></td>
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<td>Pass PECT-PreK-4 Test 2,4,5,7</td>
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<tr>
<td></td>
<td></td>
<td>Elective 3</td>
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</tbody>
</table>

1. Complete MAT 101, MAT 102, WRT 120, LIT 219, Basic Skills Test & Community Service (All complete at 48 credit mark; PAPA is encouraged one course prerequisite)
2. Course with field components; these courses require field clearances.
3. Elective may be postponed till later in program depending on scheduling of LIT 219, EGP 220, EDR 304 and EDR 307.
4. Do not schedule EGP 322 in the same semester as EDR 317.
5. Schedule EGP 400 with or before EDR 317.
6. EGP 400 may be taken with student teaching (only course allowed during student teaching).
7. Required FATE courses.

The EGP Program is 120 credits and is designed to be completed in four years. The recommendations in the pacing chart above are designed to help you complete course prerequisites, Formal Admission to Teacher Education Requirements (FATE), and Basic Skills Tests and PECT PreK-4 testing in a timely manner. The recommendations are also designed to distribute field experiences throughout your program. Unless noted, all courses are three credits. Candidates taking fewer than the recommended number of credits each semester, those choosing to complete courses during the summer, and those choosing to complete a minor, should consult an advisor to determine how these circumstances will alter the pacing of their coursework.

**B.S. IN EDUCATION - MIDDLE GRADES PREPARATION GRADES 4-8**

**College of Education**

**Curriculum**

**General Education Requirements** ([http://catalog.wcupa.edu/undergraduate/general-education-requirements](http://catalog.wcupa.edu/undergraduate/general-education-requirements))

**Academic Foundations requirements** 12

- English Composition (6 credits)
- MAT 101 (3 credits)
- Public Speaking (3 credits)

**Science**

- Behavioral & Social Science requirements 6
- GEO 101 and PSC 100

**Humanities requirements**

- LIT 220 must be one of the Humanities courses

**Arts requirement** 3

**Diverse Communities requirement** 3

**Eng 382 or LAN 382**

**Interdisciplinary requirement** 3

**ESS 102, SCB 102 or SCB 210**

**Student Electives**

- 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.

**Additional Baccalaureate Requirements**

**Writing Emphasis requirements** 9

**Major Requirements**

- EDP 200 Middle Grades Cognition 3
- EDP 201 Young Adolescent/Adolescent 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
- MG 335 Teaching Social Studies in Middle Grades 3
- EDP 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 each 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.

**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 (if concentration in mathematics) 3
- or MAT 352 Methods for Teaching Children Mathematics II

**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.

- ESS 101 Introduction to Geology 3
- BIO 110 General Biology 3
- or BIO 100 Basic Biological Science 4
- CHE 107 & CRL 107 or CHE 103 & CRL 103 4
MINOR IN EARLY CHILDHOOD EDUCATION

College of Education

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ECE 100</td>
<td>Orientation to Early Childhood</td>
<td>3</td>
</tr>
<tr>
<td>ECE 231</td>
<td>Child Development (2-5 Years)</td>
<td>3</td>
</tr>
<tr>
<td>ECE 232</td>
<td>Preschool Learning Environment &amp; Field Experience</td>
<td>3-6</td>
</tr>
<tr>
<td>ECE 404</td>
<td>Integrated Learning in Kindergarten</td>
<td>3-6</td>
</tr>
<tr>
<td>ECE 405</td>
<td>Admin &amp; Supervisor of Early Childhood</td>
<td>3</td>
</tr>
<tr>
<td>or ECE 407</td>
<td>Diversity Perspectives in Early Childhood Education</td>
<td></td>
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</table>

Total Credits 15-21

No new students are being admitted into the early childhood minor at this time.

MINOR IN ELEMENTARY EDUCATION

College of Education

Group I

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tr>
<td>EDE 251 &amp; EDP 250</td>
<td>Child Development and Behavior and Educational Psychology</td>
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Or select two of the following:

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<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>EDP 200</td>
<td>Middle Grades Cognition</td>
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<td>EDP 201</td>
<td>Young Adolescent/Adolescent Development and Learning Theories</td>
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<tr>
<td>EGP 209</td>
<td>Child Development: Prebirth - 5 Years</td>
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<tr>
<td>EGP 210</td>
<td>Middle Childhood &amp; Adolescent Development</td>
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Group II

Select four of the following, from at least two areas: 12

a)  
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>LIT 219</td>
<td>Literature for Young Children</td>
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<tr>
<td>or LIT 220</td>
<td>Children’s Literature</td>
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<tr>
<td>EDR 302</td>
<td>Teaching the Language Arts</td>
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<tr>
<td>EDR 304</td>
<td>Teaching Language Arts Pre-K-4</td>
</tr>
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<td>EDR 306</td>
<td>Teaching Language Arts 4-8</td>
</tr>
<tr>
<td>EDR 307</td>
<td>Foundation in Reading PreK-4</td>
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<td>EDR 308</td>
<td>Foundations in Reading 4-8</td>
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<tr>
<td>EDR 311</td>
<td>Introduction to Reading Instruction</td>
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b)  
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<tr>
<td>EDE 352</td>
<td>Self and Group Processes Diverse Classroom</td>
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<td>EDE 401</td>
<td>Creativity in the Classroom</td>
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<tr>
<td>EDE 406</td>
<td>Classroom Management</td>
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<td>EGP 326</td>
<td>Families and Community Relations</td>
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<tr>
<td>EGP 400</td>
<td>Classroom Management</td>
</tr>
<tr>
<td>EGP 402</td>
<td>Engaging Learners: Integrating Academic/Social Development for High Achieving Equitable Classrooms</td>
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Total Credits 18

Admission to the Minor in Elementary Education

Students seeking a minor in Elementary Education must have completed 27 credits and must have the minimum cumulative GPA required for their earned credits: 2.65 for students with 27–47 credits and 2.80 for students with 48 or more credits. Students admitted to the minor must maintain 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.
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; and
  - 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; and
  - 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. 235)
- B.S. in Finance (p. 235)

#### Minors in Economics and Finance
- Economics (p. 236)
- Finance (p. 236)

### Graduate Opportunities

See the graduate catalog for more information on the Business Administration program. (http://catalog.wcupa.edu/graduate/business-public-affairs/business-administration)

### Policies

#### 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 107 and MAT 108 with a C or better required in at least one of them. If a student is placed directly into MAT 108 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 107 (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).

#### Other Policies

- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

### Faculty

#### Professor

Thomas Andrews (randrews@wcupa.edu) (1997)
B.S., West Chester University; M.A., Ph.D., Temple University

#### Associate Professors

Simon Condliffe (scondliffe@wcupa.edu) (2008)
B.A., University of Humberside, England; M.S., Ph.D., University of Delaware

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

Huijun (amy) Li (hli@wcupa.edu) (2004)
B.E., M.A., Xi’an Jiaotong University (China); Ph.D., Drexel University
Thomas W. Tolin (ttolin@wcupa.edu) (1992)
B.A., University of Southwestern Louisiana; Ph.D., University of Houston
Lei Zhu (lzhu@wcupa.edu) (2006)
B.E., M.S., Hohai University; 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
Kevin C. Dunleavy (kdunleavy@wcupa.edu) (1979)
B.A., University of Delaware
Ebru Işgin (eisgin@wcupa.edu) (2012)
B.A., Bogazici University, Istanbul; M.A., Ph.D., Rutgers University
Tack-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
Thomas O. Miller (tmmiller@wcupa.edu) (2011)
B.S., M.B.A., Villanova University; Ph.D., Pennsylvania State University
David J. Pedersen (dpedersen@wcupa.edu) (2011)
B.S., University of Pennsylvania; Ph.D., Drexel University
Matt B. Saboe (msaboe@wcupa.edu) (2013)
B.A., Moravian College
Bahar Ulupinar (bulupinar@wcupa.edu) (2010)
B.A., Ege University (Turkey); Ph.D., Louisana 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

Courses

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.

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.
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.

ECO 250. International Special Topics in Economics. 3 Credits.
Different international special topics.

ECO 251. Quantitative Business Analysis I. 3 Credits.
Considers the fundamental ideas of statistical theory that are appropriate for solving problems in the fields of business and economics. Topics include descriptive statistics, probability theory, sampling and estimation, and hypothesis testing.
Pre / Co requisites: ECO 251 requires prerequisites of MAT 105 or MAT 107 or MAT 108 or MAT 110 and ECO 111 or ECO 112.

ECO 252. Quantitative Business Analysis II. 3 Credits.
Continuation of ECO 251. Topics include hypothesis testing, analysis of variance, and simple multiple regression analysis.
Pre / Co requisites: ECO 252 requires prerequisites of ECO 111 and ECO 112 and ECO 251 or MAT 121.
Distance education offering may be available.

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 prerequisite 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.
Analysis and comparison of alternative public policies applicable to underdeveloped countries and regions.
Pre / Co requisites: ECO 336 requires prerequisites of ECO 111 and ECO 112 and minimum 2.50 CUM GPA.

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 and ECO 112 and ECO 251 or MAT 121 and MAT 108 or MAT 161 and ECO 252 and minimum 2.50 CUM GPA.

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: ECO 111 and 112 and a minimum CUM GPA of 2.50.

ECO 345. History of Economic Thought. 3 Credits.
Pre / Co requisites: ECO 345 requires prerequisites of ECO 111 and ECO 112 and minimum 2.50 CUM GPA.
ECO 436. 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 436 requires prerequisite: ECO 111, 112, and 252; ECO 251 or MAT 121; MAT 108 or 161; and a minimum 2.50 cumulative average.

ECO 348. 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 348 requires prerequisites of ECO 111 and ECO 112 and ECO 251 or MAT 121 and MAT 108 or MAT 161 and ECO 252 and minimum 2.50 CUM GPA.

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 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 252 and MAT 108. Minimum 2.50 CUM GPA.

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 252 and ECO 340 and ECO 348. Minimum 2.50 CUM GPA.
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: Add consent.
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 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 108 or MAT 161 and minimum 2.50 CUM GPA.

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 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.

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.

FIN 350. Investment Analysis and Portfolio Management. 3 Credits.
A second look at investment opportunities. This course assumes a basic understanding of the principles and uses of financial markets and instruments. Analysis of the investment process; security analysis; and security valuation. The course is intended for the non-financial manager.
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 FIN 326 with a grade of C or better.
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: FIN360 requires prerequisite C or better in FIN325 and minimum 2.50 CUM GPA.

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.

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.

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 & Public Affairs

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

Academic Foundations requirements 12
- English Composition (6 credits)
- Math (3 credits)
- Select one of the following:
  - MAT 105 Algebra, Functions, and Trigonometry 1
  - MAT 107 Algebra and Functions 1
  - MAT 108 Brief Calculus 1
  - MAT 110 Precalculus 1
  - MAT 161 Calculus I 1
- Public Speaking (3 credits)

Science requirements 6
- Behavioral & Social Science requirements 6
- Humanities requirements 6
- Select one of the following:
  - PHI 101 Introduction to Philosophy 1
  - PHI 150 Critical Thinking and Problem Solving 1
  - PHI 180 Introduction to Ethics 1

Arts requirement 3
- Diverse Communities requirement 3
- Interdisciplinary requirement 3
- Student Electives 9

Additional Baccalaureate Requirements
- Writing Emphasis requirements 9

Major Requirements
- ACC 201 Financial Accounting 1
- ACC 202 Managerial Accounting 1
- BLA 201 Legal Environment of Business 1
- ECO 111 Principles of Economics (Macro) 1
- ECO 112 Principles of Economics (Micro) 1
- ECO 251 Quantitative Business Analysis I 1
- ECO 252 Quantitative Business Analysis II 1
- FIN 325 Corporate Finance 1
- MAT 108 Brief Calculus 2
- or MAT 161 Calculus I
- MGT 200 Principles of Management 1
- MGT 313 Business and Society 1
- MGT 341 Production and Operations Management 1
- MGT 499 Business Policy and Strategy 1
- MKT 250 Principles of Marketing 1
- ECO 335 Money & Banking 1
- or FIN 337 Financial Markets and Institutions 1
- ECO 340 Intermediate Microeconomics 1
- ECO 348 Intermediate Macroeconomics 1
- ECO 400 Research Methods- Business & Economics 1
- Select two electives in Economics at the 300 level or above 1
- ECO 338 International Economics 1
- or FIN 372 International Finance 1
- Select one elective in Finance at the 300 level or above 1

Related/Cognate Requirements
- ENG 368 Business and Organizational Writing 1

Student Electives
- Select three semester hours of electives
- 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, then a free elective may be substituted.

Degree Progress
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 FINANCE

College of Business & Public Affairs

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

Academic Foundations requirements 12
- English Composition (6 credits)
- Math (3 credits)
- Select one of the following:
  - MAT 105 Algebra, Functions, and Trigonometry 1
  - MAT 107 Algebra and Functions 1
  - MAT 108 Brief Calculus 1
  - MAT 110 Precalculus 1
  - MAT 161 Calculus I 1

Major Requirements
- ACC 201 Financial Accounting 1
- ACC 202 Managerial Accounting 1
- BLA 201 Legal Environment of Business 1
- ECO 111 Principles of Economics (Macro) 1
- ECO 112 Principles of Economics (Micro) 1
- ECO 251 Quantitative Business Analysis I 1
- ECO 252 Quantitative Business Analysis II 1
- FIN 325 Corporate Finance 1
- MAT 108 Brief Calculus 2
- or MAT 161 Calculus I
- MGT 200 Principles of Management 1
- MGT 313 Business and Society 1
- MGT 341 Production and Operations Management 1
- MGT 499 Business Policy and Strategy 1
- MKT 250 Principles of Marketing 1
- ECO 335 Money & Banking 1
- or FIN 337 Financial Markets and Institutions 1
- ECO 340 Intermediate Microeconomics 1
- ECO 348 Intermediate Macroeconomics 1
- ECO 400 Research Methods- Business & Economics 1
- Select two electives in Economics at the 300 level or above 1
- ECO 338 International Economics 1
- or FIN 372 International Finance 1
- Select one elective in Finance at the 300 level or above 1

Related/Cognate Requirements
- ENG 368 Business and Organizational Writing 1

Student Electives
- Select three semester hours of electives
- Total Minimum Credits Required 120

1 If either of the MAT courses is completed with a grade of C or better, then a free elective may be substituted.
<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public Speaking</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>ECO 111 Principles of Economics (Macro)</td>
<td>3</td>
</tr>
<tr>
<td>Humanities requirements</td>
<td>6</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
</tr>
<tr>
<td>PHI 101 Introduction to Philosophy</td>
<td></td>
</tr>
<tr>
<td>PHI 150 Critical Thinking and Problem Solving</td>
<td>3</td>
</tr>
<tr>
<td>PHI 180 Introduction to Ethics</td>
<td>3</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>
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<tr>
<td><strong>Additional Baccalaureate Requirements</strong></td>
<td></td>
</tr>
<tr>
<td>Writing Emphasis requirements</td>
<td>9</td>
</tr>
<tr>
<td><strong>Business Core</strong></td>
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<tr>
<td>ACC 201 Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 202 Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BLA 201 Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>ECO 112 Principles of Economics (Micro)</td>
<td>3</td>
</tr>
<tr>
<td>ECO 251 Quantitative Business Analysis I</td>
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</tr>
<tr>
<td>ECO 252 Quantitative Business Analysis II</td>
<td>3</td>
</tr>
<tr>
<td>FIN 325 Corporate Finance</td>
<td>3</td>
</tr>
<tr>
<td>MAT 108 Brief Calculus</td>
<td>3</td>
</tr>
<tr>
<td>or MAT 161 Calculus I</td>
<td></td>
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<tr>
<td>MGT 200 Principles of Management</td>
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</tr>
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<td>MKT 250 Principles of Marketing</td>
<td>3</td>
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<tr>
<td><strong>Related/Cognate Requirements</strong></td>
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<tr>
<td>ENG 368 Business and Organizational Writing</td>
<td>3</td>
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<td><strong>Major Requirements</strong></td>
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<tr>
<td>FIN 326 Intermediate Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>FIN 337 Financial Markets and Institutions</td>
<td>3</td>
</tr>
<tr>
<td>or ECO 335 Money &amp; Banking</td>
<td></td>
</tr>
<tr>
<td>FIN 344 Investments</td>
<td>3</td>
</tr>
<tr>
<td>FIN 372 International Finance</td>
<td>3</td>
</tr>
<tr>
<td>or ECO 338 International Economics</td>
<td></td>
</tr>
<tr>
<td>FIN 375 Contemporary Financial Issues</td>
<td>3</td>
</tr>
<tr>
<td>Select two electives in Finance, Economics or Accounting 300 level or above</td>
<td>6</td>
</tr>
<tr>
<td><strong>Business Electives</strong></td>
<td></td>
</tr>
<tr>
<td>Select two 300-level or above courses in ACC, BLA, ECO, INB, MGT, MIS, MKT; GEO 325, GEO 425; or PSC 318</td>
<td>6</td>
</tr>
<tr>
<td><strong>Student Electives</strong></td>
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</tr>
<tr>
<td>Select three semester hours of electives</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Minimum Credits Required</strong></td>
<td>120</td>
</tr>
</tbody>
</table>

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. 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.

2. Course substitutions for MAT 107 are MAT 105 or MAT 110.

3. Course substitutions for MAT 108 are MAT 161 or MAT 162.

**Degree Progress**

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 ECONOMICS**

*College of Business & Public Affairs*

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 105 or MAT 107 or MAT 110, 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</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 340 Intermediate Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECO 348 Intermediate Macroeconomics</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</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 Quantitative Business Analysis I</td>
<td>3</td>
</tr>
<tr>
<td>ECO 252 Quantitative Business Analysis II</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
</tr>
<tr>
<td>MAT 105 Algebra, Functions, and Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>MAT 107 Algebra and Functions</td>
<td></td>
</tr>
<tr>
<td>MAT 110 Precalculus</td>
<td></td>
</tr>
<tr>
<td>MAT 108 Brief Calculus</td>
<td>3</td>
</tr>
<tr>
<td>or MAT 161 Calculus I</td>
<td></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 & Public Affairs*

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 105 or MAT 107 or MAT 110, 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</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 201 Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>MAT 108 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.
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

222 Lawrence Center
610-436-3133
Francis Atuahene (fatuahene@wcupa.edu), Chairperson

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 nonclassroom teaching are still included. Areas within the Department of Educational Development include pre-major academic advising, career advising, academic administration, tutoring, services for students with disabilities, and other articulated teaching and/or administrative assignments.

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EDUCATOR PREPARATION PROGRAMS

The primary mission of the undergraduate educator preparation programs at West Chester University is the preparation of teachers and other education professionals (hereafter "educator preparation") for the classrooms of Pennsylvania. The University’s conceptual framework, Learning and Teaching in Context, guides the preparation of educators who can ensure strong academic achievement for PK-12 students in schools and other educational environments in the Commonwealth of Pennsylvania.

The University is committed to excellence in educator preparation by preparing candidates to exhibit knowledge, skill, and professional dispositional outcomes exemplified in the following roles: knowledge and pedagogical specialist, assessment and instructional designer, diversity advocate and classroom community builder, school and community professional, and self-directed practitioner. 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 for those who wish to prepare themselves to be certified teachers. These programs are described more fully in the departmental listings.

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 PDE 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. As this edition of the catalog is going to press, PDE is refining the requirements related to the definition of "advanced coursework." The list of courses designated as "advanced" has been expanded by PDE to include most upper division professional education courses. Further, PDE has placed a restriction on taking these courses after 60 credits without FATE. It is likely that candidates who have not achieved FATE will find it very difficult to progress through their educator preparation programs once they have 60 or more earned credits. Candidates are urged to consult with their departments for more up-to-date information about FATE as it becomes available.

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 Pennsylvania Department of Education (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); or American College Test (ACT). Please consult with the Teacher Certification Office, 302 Recitation Hall, regarding the required level (2.8). Such candidates will not, however, be permitted to register for additional advanced professional education course work until they again achieve the minimum cumulative GPA required for formal admission (2.8).
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 adviser as well as their professional and secondary education adviser.

WCU educator preparation candidates who achieve Formal Admission to Teacher Education 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 majors who have been formally admitted to teacher education are eligible to take these courses. The undergraduate program counselor, 251 Francis Harvey Green Library, processes all applications for formal admission to teacher education programs.

Candidates who earn Formal Admission to Teacher Education 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

Designated 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. The WCU policies on clearances are located on the College of Education website. Please note that new University policy gives the dean of the College of Education 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 file applications to student teach with the Office of Field Placements and Student Teaching (251 Francis Harvey Green Library) 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 Formal Admission to Teacher Education, and
- provided a score report that they took the appropriate licensure exam as identified by PDE in the subject area where the candidates are enrolled to achieve certification.

See program listings and advising sheets for specifics and any other program requirements. Candidates should contact their departments for the 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 formal admission,
• earned an overall GPA of at least 3.0,
• achieved grades of at least C in both student teaching courses, and
• earned passing scores on the appropriate licensure exam(s) as identified by PDE in the subject area/program where they are enrolled to achieve certification.

Applying for Pennsylvania Certification
Candidates apply for certification through PDE in conjunction with the University’s Teacher Certification Office. The application is submitted online through the PDE’s Teacher Information Management System (TIMS). Information about Pennsylvania certification is available from the Teacher Certification Office, College of Education website, and PDE.

Applicants for the certificate must be citizens of the United States. A noncitizen must declare the intent to become a citizen of the United States and possess a permanent resident visa to qualify for a teaching certificate. For more information, contact the University’s Teacher Certification Office.

Professional Assessment for Beginning Teachers
Candidates pursuing initial Pennsylvania Instructional Level I Certification must meet the passing score on the examinations at the time of application to the Pennsylvania Department of Education (PDE). Currently, these examinations include the following:

- As part of the requirements for formal admission to teacher education, all candidates must pass the Pre-service Academic Performance Assessment (PAPA) series of exams in reading, mathematics, and writing. Candidates are strongly encouraged to take these exams in the second semester of the first year of college study. An exception to the PAPA exams is offered to candidates who meet passing score criteria, as identified by the PDE, on the ACT or SAT tests.

Note: Any candidate who registered for one or more tests of the Praxis I PPST series prior to April 2, 2012 or has successfully passed them before that date will have their scores honored by the PDE. Candidates needing to do so are permitted to repeat any PPST test beyond the April deadline. For all others, PAPA testing replaced PPST on April 2, 2012.

- All candidates for certification must take all required licensure tests prior to student teaching. Score reports of all Praxis II, PECT, or ACTFL (OPI/WPT) tests must be produced during preregistration for student teaching, as evidence of completing the academic department’s test requirements.

- All candidates must pass all required licensure examinations in order to graduate from their educator preparation major program.

Higher Education Opportunity Act - Title II Praxis Test Results for Completers of the Traditional Teacher Preparation Program for the 2011-2012 Academic Year
(Data provided by Educational Testing Service)

<table>
<thead>
<tr>
<th>Assessment Type</th>
<th>Number Taking</th>
<th>Number Passing</th>
<th>Institutional Pass Rate</th>
<th>Statewide Pass Rate</th>
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<td>Praxis I - Math</td>
<td>727</td>
<td>727</td>
<td>100%</td>
<td>98%</td>
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<td>Praxis I - Reading</td>
<td>726</td>
<td>724</td>
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<td>Praxis I - Writing</td>
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<td>100%</td>
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<th>Chemistry</th>
<th>Early Childhood Education</th>
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<td>Chemistry</td>
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<td>Early Childhood Education</td>
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<td>62</td>
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<th>Health and PE</th>
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<td>91</td>
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<tr>
<th>Math</th>
<th>Music</th>
<th>Physics</th>
<th>Social Studies</th>
<th>Spanish</th>
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<thead>
<tr>
<th>Teaching Special Populations Content Knowledge</th>
<th>Ed of Exceptional Students</th>
<th>Teaching Speech to Students with Language Impairments</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>9</td>
<td>1</td>
</tr>
</tbody>
</table>

| Special Ed: Core Knowledge and Applications | 89 | 89 | 100% | 99% |

| Note: Any candidate who registered for one or more tests of the Praxis I PPST series prior to April 2, 2012 or has successfully passed them before that date will have their scores honored by the PDE. Candidates needing to do so are permitted to repeat any PPST test beyond the April deadline. For all others, PAPA testing replaced PPST on April 2, 2012. |
Questions related to these tests should be directed to the Teacher Certification Office, 302 Recitation Hall. West Chester University is a designated Praxis test center and administers these tests six times a 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 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, 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 PDE, and the satisfactory completion of 24 semester hours of additional course work 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 course work 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 (see PDE website (http://www.education.pa.gov)). Candidates should consult the department in which they seek certification for information and an evaluation of their credits.

**Educator Preparation, Candidate Dispositions**

**Dispositional Expectations**

If a faculty member documents that a particular educator preparation candidate is having difficulty with one of the following dispositional expectations in a University class or field-based course that the faculty member is teaching/supervising, he/she will request a meeting with the candidate, share evidence of the concerns, hear the candidate’s reason for behavior(s) of concern, make recommendations for improvement where appropriate, and follow up the meeting with a notice and action plan sent to the candidate and his/her department chair. The notice and action plan will be placed in the candidate’s file in the department. The candidate also may be required to meet with a committee of faculty within the major department, at the department’s discretion, to

1. explore the nature of the concerns,
2. hear the candidate’s reasons for the behavior(s) of concern, and
3. discuss corrective measures for remaining in the professional education sequence.

If the behavior of concern is not corrected satisfactorily, it may lead to the department’s recommendation to deny formal admission to teacher education and/or advancement in the program. These recommendations would be forwarded to the associate dean of the College of Education for a ruling. At this time, if the candidate chooses to appeal the ruling, the matter would come before the Teacher Education Student Appeals Committee, according to established protocol.

The purpose of this committee is to hear candidate appeals of decisions made by the associate dean of the College of Education related to formal admission to teacher education and other matters regarding candidates’ progress in educator preparation programs. Information related to this committee is on the University’s website under academic programs, College of Education.

For dispositional expectations, go to the College of Education website, www.wcupa.edu/_academics/coed/studentinfo/dispositions.asp/.

**Fees and Other Expenses**

All candidates pursuing certification in Pennsylvania can expect to spend approximately $100 on Tk20 courseware, $300 on required licensure tests, $65 per year on criminal clearances, $15 TB testing, and $125 on the Pennsylvania certification application. If licensure testing or clearances must be repeated for any reason during the candidate’s enrollment at WCU, he or she will incur additional expenses. Note: TB testing must be updated annually for all early grades preparation PK-4 majors entering early childhood centers. Note: TB testing must be updated annually for all early grades preparation PK-4 majors entering early childhood centers.

**TK20 (LiveText)**

The Professional Education Unit is in the process of transitioning from LiveText as our assessment software to Tk20. This product contributes to candidate learning and success by allowing the posting of assignments for assessment, the storing of evidence of growth and development over the academic career, and by providing the platform for applying for student teaching. Candidates purchase this courseware as they would a textbook or other material for a course. They can use Tk20 throughout their undergraduate studies and three years after graduation.
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 adviser.

- **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. 239) section, as well as specific Department of English requirements.

### 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 semester hours
2. completion of 12 semester hours in major or minor program courses
3. a meeting with his or her adviser 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 40 hours of work for each hour of academic credit. The internship credits for English majors may be applied to the student/adviser-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. 250)
- B.S.Ed. in English (p. 251)

### Minors in English

- African/African American Literature (p. 253)
- Business and Technical Writing (p. 253)
- Creative Writing (p. 253)
- Film Criticism (p. 253)
- Journalism (p. 254)
- Linguistics (p. 254)
- Literature (p. 254)

### Graduate Opportunities

See the graduate catalog for more information on the English program. (http://catalog.wcupa.edu/graduate/arts-sciences/english)

### Policies

- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

### Faculty

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A.B., Georgetown University; M.A., Ph.D., University of Maryland
Luann Smith (lsmith@wcupa.edu) (1989)
B.A., University of Kentucky; M.A., Murray State University; M.F.A., Pennsylvania State University

Jeffrey Sommers (jsommers@wcupa.edu) (2008)
B.A., University of Pennsylvania; M.A., Ph.D., New York University
Christopher J. Teutsch (cteutsch@wcupa.edu) (1989)
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B.A., Miami University; M.A., Ph.D., University of Kentucky
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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.
Gen Ed Attribute: Diversity Requirement, Humanities Distributive, Writing Emphasis.
Distance education offering may be available.

CLS 201. Classical Greco Roman Myth in 20th Century Arts. 3 Credits.
The study of Greco-Roman mythology and its influence on 20th and 21st century Western culture.

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 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, Diotima, Mutta, Auvalayar, Sule Sankavya, Murasaki, Hildegard, von Bingen, Mirabei, Marguerite de Navaire, 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, Jean Rhys, Virginia Woolf, Marguerite Duras, Christa Wolf, Merce Rodoreda, Jamaica Kincaid, Tsitsi Dangarembga, Alifa Rifaat, Louise Erdrich, Cheie Moraga, Maxine Hong Kingston, and Arundhati 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.
Gen Ed Attribute: Diversity Requirement, Humanities Distributive, Writing Emphasis.

CLS 261. World Literature II. 3 Credits.
A survey of world literary texts from 1600 to the present.
Gen Ed Attribute: Humanities Distributive, 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.

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.

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.

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.

CLS 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.

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.

CLS 369. Literature and Film. 3 Credits.
The interrelationship between selected works of world fiction and their film adaptations.
Gen Ed Attribute: Writing Emphasis.
CLSW 371. Law and Disorder in Literature. 3 Credits.
A look at the presentional 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.

CLSW 400. Comparative Literature Seminar. 3 Credits.
Topics such as Homer and the modern Western race and legal narrative, interrelations of African and African-American literature, sexual politics in modern drama, and visual culture in Third World film are offered. Required of comparative literature majors in their junior or senior year. Repeatable for Credit.

CRW
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 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.

CRW 205. Poetry Workshop I. 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.

CRW 206. 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.
Gen Ed Attribute: Writing Emphasis.

CRW 207. Poetry Workshop III. 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 208. 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 209. 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)

CRW 310. 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 311. Playwriting Workshop II. 3 Credits.
Special topics, such as fantasy, science fiction, longer prose works, or the anti-story. To be announced.
Repeatable for Credit.

CRW 312. Playwriting Workshop III. 3 Credits.
A course in the writing and preparing of book-length manuscripts (novel, novella, and the ‘nonfictional’ novel) with the intention of submission for publication. Also includes coverage of fictional aspects and techniques used in writing memoirs, biography, and current history.

CRW 490. Writing Seminar in the Novel I. 3 Credits.
An upper-division creative writing course that asks students to write in and analyze the longer forms of creative texts. The class will be a variable genre course, some semesters focusing on prose forms of fiction, some semesters prose forms in non-fiction, and some semesters in longer forms of poetry. Students should consult with faculty member at the beginning of the semester to ensure the genre of focus for that given semester.

ENG
ENG 134. Idioms in the Context of American Culture. 3 Credits.
Through the use of modern American movies, this course helps students learn the meanings of idioms in context. Students practice using these idioms in drills and exercises.

ENG 150. Writing Studies Workshop. 3 Credits.
A workshop that provides intensive instruction for students who experience difficulty in writing. Open to first-year students. Typically offered in Fall & Spring.
Repeatable for Credit.

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 215. Views on Literacy. 3 Credits.
The historical and social contexts of English literacy. Emphasis on writing.

ENG 230. Introduction to Linguistics. 3 Credits.
Basic concepts of language description, classification, change, reconstruction, dialectology, and sociolinguistics.
Cross listed with ENG 230, LIN 230.

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 271. Typography. 3 Credits.
This course provides students with experience in production of books, using historical and modern methods of design.
Pre / Co requisites: ENG 271 requires prerequisite of ENG 270.

ENG 275. Literary Editing and Publishing. 3 Credits.
Experience in publishing the student literary magazine Daedalus: editing, proofing, photographic selection and layout, and printing.

ENG 280. 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.
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.

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.

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 331. 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 331 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. History and Dialects of American English. 3 Credits.
Pre / Co requisites: ENG 339 requires prerequisite of ENG 230.

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. A writing-emphasis course.
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 with 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 ENG 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 prerequisite of ENG 230 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, Emig, 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 ENG 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.
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 variable-topic seminar concentrates on problems in advanced writing, focusing on prose genres and the writing of critical analyses.
Pre / Co requisites: ENG 400 requires prerequisite of: ENG 295 and ENG 194 and, LIT 206 or ENG 296, and WRT 100 or WRT 120, and WRT 200 or 204 or 205 or 206 or 208 or 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.

ENG Q20. Basic Writing. 3 Credits.
English Q20 emphasizes the process of producing writing and focuses on the critical study of Academic Written English (AWE). Students will compose pieces of writing in various genres and use revision draft editing to strengthen them. Students will analytically study AWE grammar and syntax through work with instructors and/or tutors. Finally, students will engage and study texts through reading, analysis and discussion. Students should complete the course with a greater understanding of their own strengths and weaknesses as writers, 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.
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.
Repeatable for Credit.

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 225. News Writing. 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.

JRN 250. News Editing. 3 Credits.
A course designed to acquaint students with the skills involved in the preparation of copy for publication in newspapers and magazines. Instruction and practice in the mechanics of copy editing, headline writing, layout, and photo editing.
Pre / Co requisites: JRN 250 requires prerequisite of JRN 225.

JRN 272. Feature Writing. 3 Credits.
Practical instruction in the skills for successful feature writing for print and electronic media, with an emphasis on techniques used in personality profiles, critical reviews, column writing, and op-ed pieces.

JRN 312. Sports Reporting and Writing. 3 Credits.
Instruction and practice in basic sports reporting techniques, including live-event coverage and feature writing, as well as an introduction to routine duties associated with working on the sports desk.
Pre / Co requisites: JRN 312 requires prerequisite of JRN 225.

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.

JRN 325. History of Journalism. 3 Credits.
A historical survey of the American press from Colonial times to the present, with special emphasis on the continuing struggle for press freedom and the new journalistic environment created by the emergence of mass media.

JRN 335. Ethical Issues in Mass Media. 3 Credits.
A course designed to investigate how mass media shape the public's perceptions of political, economic, and social power structures and how it shapes moral standards. Emphasis will be placed on freedom of speech issues and professional ethics of journalists.

JRN 345. Mass Media and the Law. 3 Credits.
The course explores First Amendment and other constitutional guarantees of a free press, as well as statutory and judicial protection/limitations of the media. Major issues to be covered include censorship and prior restraint, defamation, invasion of privacy, copyright, obscenity, free press vs fair trial, advertising and commercial speech, broadcast regulation, media ownership regulation, access to public information, and citizens' access to the mass media.

JRN 411. Journalism Practicum. 3 Credits.
One semester of supervised experience as an editor or reporter on the University's student newspaper. See journalism coordinator for specific requirements.
Pre / Co requisites: JRN 411 requires prerequisites of JRN 225 and JRN 226 or JRN 250.
Consent: Add consent.
Repeatable for Credit.

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.

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, Writing Emphasis.

LIT 200. American Literature I. 3 Credits.
Survey of representative American writers from Colonial times to 1860, including Bradstreet, Taylor, Franklin, Poe, Thoreau, Hawthorne, and Melville.

LIT 201. American Literature II. 3 Credits.
A survey of representative American writers from 1860 to the present, including Whitman, Twain, James, Crane, Eliot, Frost, Hemingway, and Faulkner.

LIT 202. African-American Literature I. 3 Credits.
Survey of African-American authors from the antebellum era through the first quarter of the 20th century.
Gen Ed Attribute: Writing Emphasis.

LIT 203. African-American Literature II. 3 Credits.
Continuation of LIT 202. Second quarter of the 20th century to the present.
Gen Ed Attribute: Writing Emphasis.

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 Harlem Renaissance.

LIT 206. African American Literature/Literary Theory. 3 Credits.
This course will examine the relationship between Afro-American literature and the theories serving to explain it.

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.

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.
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 writers studied are Defoe, Thackeray, Donleavay, and Kerouac.

LIT 271. Drama Since 1970. 3 Credits.
A selective survey of American and British drama since 1970. The playwrights 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.

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, Walskosi, and Kumin.
Gen Ed Attribute: Writing Emphasis.

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 308. 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 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 include 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 an interdisciplinary study of writings by medieval women and their contribution to the development of medieval culture.
Gen Ed Attribute: Interdisciplinary Requirement.

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.
Poetry 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 LIT 206) OR LIT 220.
Distance education offering may be available.

WRH
WRH 199. Transfer Credits. 1-10 Credits.
Transfer Credits.
Repeatable for Credit.

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 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.

WRH 310. Written Rhetoric: Power, Politics, and Environmental Writing. 3 Credits.
This course for the English major's writings track applies the program's core themes of the relationships among language, thought, and culture to writing about nature and the environment. This workshop serves the writing track course category called power and politics.

WRH 315. Propaganda, Power, and Politics. 3 Credits.
This course examines the rhetorical, cultural, and Political dimensions of propagandistic 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 prerequisite of WRT 200 or 204 or 205 or 206 or 208 or 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 activists and advocates used in a variety of campaigns.

WRT
WRT 100. WRT 100 Comp I Exempt. 0 Credits.
This course is placed on a student's record if they score high enough on the SAT Verbal test and are exempt from WRT 120 - Effective Writing I.

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.

WRT 122. Effective Writing Online. 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.

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: WRT200 requires a prerequisite of WRT120 or WRT 100 or SAT Writing Score greater than 610.
Gen Ed Attribute: English Composition.

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: WRT204 requires a prerequisite of WRT120 or WRT 100 or SAT Writing Score greater than 610.
Gen Ed Attribute: English Composition.

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: WRT205 requires a prerequisite of WRT120 or WRT 100 or SAT Writing Score greater than 610.
Gen Ed Attribute: English Composition.
Distance education offering may be available.

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 written 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: WRT206 requires a prerequisite of WRT120 or WRT 100 or SAT Writing Score greater than 610.
Gen Ed Attribute: English Composition.

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 the 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: WRT208 requires a prerequisite of WRT120 or WRT 100 or SAT Writing Score greater than 610.
Gen Ed Attribute: English Composition.

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: WRT220 requires prerequisite of WRT120 or WRT 100.
Gen Ed Attribute: English Composition.
# B.A. IN ENGLISH

College of Arts & Sciences

## Curriculum

### General Education Requirements

[http://catalog.wcupa.edu/undergraduate/general-education-requirements](http://catalog.wcupa.edu/undergraduate/general-education-requirements)

- **Academic Foundations requirements** 12
  - English Composition (6 credits)
  - Math (3 credits)
  - Public Speaking (3 credits)
- **Science requirements** 6
- **Behavioral & Social Science requirements** 6
- **Humanities requirements** 6
- **Arts requirement** 3
- **Diverse Communities requirement** 3
- **Interdisciplinary requirement** 3
- **Student Electives** 9

### Additional Baccalaureate Requirements

- **Writing Emphasis requirements** 9
- **Language Requirement**
  - Must demonstrate language proficiency through the intermediate level (202)

### Departmental Preparatory Requirement

- **ENG 194** Conventions of Reading and Writing 3
- **ENG/LIN 230** Introduction to Linguistics 3
- **ENG 295** Histories and Texts 3
- **ENG 296** Theory, Meaning, Value 3
  - or **LIT 206** African American Literature/Literary Theory

### 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,” “American multiethnic and world literatures,” and “historical contexts.” Note: Two of the six courses taken must be designated “early” in historical period.

- **Writing Track**
  - Two courses each from the following three categories - “style and aesthetics,” “power and politics,” and “information technology and media.”

### Departmental Advanced Requirements

- **Three seminars from a selection focusing on a specialized topic (ENG 400)** 3

### 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. CLS 400 and ENG 400 are variable topic courses that may be crosslisted as FLM.

## Degree Progress

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; courses offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

### Year One

<table>
<thead>
<tr>
<th>Semester One</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENG 194</td>
<td>Conventions of Reading and Writing</td>
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<tr>
<td>WRT 120</td>
<td>Effective Writing I</td>
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<tr>
<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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<tr>
<td>WRT 200-level</td>
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<tr>
<td>ENG 295</td>
<td>Histories and Texts</td>
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<tr>
<td>ENG 230</td>
<td>Introduction to Linguistics</td>
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<td>Foreign Language Course</td>
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<td>Theory, Meaning, Value</td>
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<td>Foreign Language Course</td>
<td>3</td>
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<td>Track - Crossover</td>
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<td>Gen Ed Course</td>
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<td>ENG 400</td>
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### Year Eight

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<td>ENG 400</td>
<td>Research Seminar</td>
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<tr>
<td>Minor/Etc Course</td>
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</table>
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. No gen ed classes 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.E.D. IN ENGLISH

College of Arts & Sciences

Curriculum

General Education Requirements

Academic Foundations requirements

   English Composition (6 credits)

Math (3 credits)

Public Speaking (3 credits)

Science requirements

Behavioral & Social Science requirements

Humanities requirements

Arts requirement

Diverse Communities requirement

Interdisciplinary requirement

Student Electives

Additional Baccalaureate Requirements

Writing Emphasis requirements

Education Requirements

EDF 300 Democracy and Education 3

EDP 250 Educational Psychology 3

ENG/LAN 382 Teaching English Language Learners PK-12 3

EDA 103 Foundations of Special Education 3

EDA 304 Special Ed Processes/Procedures for Secondary Educators 3

EDR 347 Literacy Development and Secondary Students with Disabilities in Inclusive Classrooms 3

EDS 306 Teaching Principles and Field Experience in Secondary Schools 3

LIT 398 Young Adult Literature 3

ENG 392 Writing and Teaching Writing Secondary English 3

ENG 390 Teaching English in Secondary Schools 3

EDS 411 Student Teaching Sec - 1st Half 6

EDS 412 Student Teaching Sec - 2nd Half 6

Departmental Preparatory Requirements

ENG 194 Conventions of Reading and Writing 3

ENG 295 Histories and Texts 3

ENG 296 Theory, Meaning, Value 3

or LIT 206 African American Literature/Literary Theory 3

Language and Linguistic Courses

ENG 230 Introduction to Linguistics 3

ENG 331 Structure of Modern English 3

Departmental Intermediate Requirements

See the department handbook for group descriptions.

Literatures track

One course from the following three categories – “genres,” “American 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 6

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. 239) section of this catalog for an explanation of related requirements.

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. 408).

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. 408). This test is scheduled once per semester and announced in advance by both the Department of English and the Department of Professional and Secondary Education (p. 408). 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: 3

   CLS 260 World Literature I
CLS 261 World Literature II
CLS 361 Modern World Drama
CLS 362 World Lit - Modern Fiction
CLS 367 Classical Greco Roman Mythology
EDF 300 Democracy and Education 3
EDP 250 Educational Psychology 3
EDS 306 Teaching Principles and Field Experience in Secondary Schools
ENG 194 Conventions of Reading and Writing 3
ENG 230 Introduction to Linguistics 3
ENG 295 Histories and Texts 3
ENG 296 Theory, Meaning, Value 3
or LIT 206 African American Literature/Literary Theory
ENG 331 Structure of Modern English 3
ENG 390 Teaching English in Secondary Schools 3
ENG 392 Writing and Teaching Writing Secondary English 3
LAN/ENG 382 Teaching English Language Learners PK-12 3
LIT 398 Young Adult Literature 3
WRT 120 Effective Writing I 3
or WRT 204 Critical Writing: Approaches to Pop Culture
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

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.

**Portfolio**

A student in the B.S.Ed. English program must also pass a portfolio requirement in order to be eligible to student teach. Preferably two semesters before student teaching, students will submit their portfolio to the Department of English for evaluation. Specific requirements of the 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.

**Degree Progress**

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; courses offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.
WEST CHESTER UNIVERSITY

MINOR IN AFRICAN/AFRICAN AMERICAN LITERATURE

College of Arts & Sciences

Required Courses

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CLS 351</td>
<td>African Literature</td>
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<tr>
<td>LIT 202</td>
<td>Afro-American Literature I</td>
<td>3</td>
</tr>
<tr>
<td>or LIT 203</td>
<td>Afro-American Literature II</td>
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Elective Courses

Select four of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>LIT 202</td>
<td>Afro-American Literature I (whichever is not taken as a requirement)</td>
<td>12</td>
</tr>
<tr>
<td>or LIT 203</td>
<td>Afro-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 206</td>
<td>African American Literature/Literary Theory</td>
<td></td>
</tr>
<tr>
<td>LIT 309</td>
<td>Thoughts/Writings of Martin Luther King</td>
<td></td>
</tr>
<tr>
<td>CLS 365</td>
<td>African American Film</td>
<td></td>
</tr>
<tr>
<td>ENG/CLS 400</td>
<td>Research Seminar 1</td>
<td></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 & Sciences

Prequisites

Select one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>WRT 200</td>
<td>Critical Writing and Research</td>
<td></td>
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<tr>
<td>WRT 204</td>
<td>Critical Writing: Approaches to Pop Culture</td>
<td></td>
</tr>
<tr>
<td>WRT 205</td>
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<td>WRT 206</td>
<td>Critical Writing: Multidisciplinary Imagination</td>
<td></td>
</tr>
<tr>
<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>
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Required Courses

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<th>Course Title</th>
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<tbody>
<tr>
<td>ENG 320</td>
<td>Writing and Computers</td>
<td>3</td>
</tr>
<tr>
<td>ENG 368</td>
<td>Business and Organizational Writing</td>
<td>3</td>
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</table>

Total Credits 27

MINOR IN CREATIVE WRITING

College of Arts & Sciences

Required Course

CRW 201 Introduction to Creative Writing 3

Elective Courses

Any five courses selected from the following: 15

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<td>CRW 203</td>
<td>Creative Writing II</td>
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<td>CRW 301</td>
<td>Poetry Workshop I</td>
<td></td>
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<tr>
<td>CRW 302</td>
<td>Poetry Workshop II</td>
<td></td>
</tr>
<tr>
<td>CRW 303</td>
<td>Short Story Workshop I</td>
<td></td>
</tr>
<tr>
<td>CRW 304</td>
<td>Short Story Workshop II</td>
<td></td>
</tr>
<tr>
<td>CRW 305</td>
<td>Creative Nonfiction Workshop I</td>
<td></td>
</tr>
<tr>
<td>CRW 306</td>
<td>Creative Nonfiction Workshop II</td>
<td></td>
</tr>
<tr>
<td>CRW 400</td>
<td>Writing Seminar</td>
<td></td>
</tr>
<tr>
<td>CRW 490</td>
<td>Writing Seminar in the Novel I</td>
<td></td>
</tr>
<tr>
<td>CRW 491</td>
<td>Creative Writing Workshop in the Long Form</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits 18

MINOR IN FILM CRITICISM

College of Arts & Sciences

Required Course

FLM 200 Introduction to Film 3

Elective Courses

Any 15 semester hours selected from the following list with the approval of the adviser: 15

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLS 304</td>
<td>Women and Film</td>
<td></td>
</tr>
<tr>
<td>CLS 365</td>
<td>African American Film</td>
<td></td>
</tr>
<tr>
<td>CLS 369</td>
<td>Literature and Film</td>
<td></td>
</tr>
<tr>
<td>CLS 400</td>
<td>Comparative Literature Seminar 1</td>
<td></td>
</tr>
<tr>
<td>COM 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>EGE 409</td>
<td>Impact of Holocaust on Lit and Film</td>
<td></td>
</tr>
<tr>
<td>ESP 305</td>
<td>Spanish Cinema</td>
<td></td>
</tr>
<tr>
<td>ESP 309</td>
<td>Latin America on Film</td>
<td></td>
</tr>
<tr>
<td>FLM 201</td>
<td>American Film</td>
<td></td>
</tr>
<tr>
<td>FLM 202</td>
<td>American Themes</td>
<td></td>
</tr>
<tr>
<td>FLM 400</td>
<td>Film Seminar 1</td>
<td></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 JOURNALISM

College of Arts & Sciences

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>JRN 200</td>
<td>Communications Media (may substitute COM 212 but a JRN elective must replace it)</td>
<td>3</td>
</tr>
<tr>
<td>or COM 212</td>
<td>Mass Communication</td>
<td></td>
</tr>
<tr>
<td>JRN 225</td>
<td>Newswriting</td>
<td>3</td>
</tr>
<tr>
<td>JRN 226</td>
<td>Public Affairs Reporting</td>
<td>3</td>
</tr>
<tr>
<td>JRN 250</td>
<td>News Editing</td>
<td>3</td>
</tr>
</tbody>
</table>

Elective Course

Select one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>JRN 272</td>
<td>Feature Writing</td>
<td>3</td>
</tr>
<tr>
<td>JRN 312</td>
<td>Sports Reporting and Writing</td>
<td></td>
</tr>
<tr>
<td>JRN 315</td>
<td>Magazine Article Writing</td>
<td></td>
</tr>
<tr>
<td>JRN 325</td>
<td>History of Journalism</td>
<td></td>
</tr>
<tr>
<td>JRN 335</td>
<td>Ethical Issues in Mass Media</td>
<td></td>
</tr>
</tbody>
</table>

Practicum

JRN 411 Journalism Practicum | 3 |

Total Credits 18

1 A minimum grade of C- is required.

MINOR IN LINGUISTICS

College of Arts & Sciences

The Department of English is one of several departments participating in the linguistics minor. The description of the linguistics minor and its requirements are found in the Linguistics Program section on the Minor in Linguistics (p. 328) page.

MINOR IN LITERATURE

College of Arts & Sciences

Required Courses

Select one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLS 165</td>
<td>Introduction to World Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENG 194</td>
<td>Conventions of Reading and Writing</td>
<td></td>
</tr>
<tr>
<td>ENG 295</td>
<td>Histories and Texts</td>
<td></td>
</tr>
<tr>
<td>ENG 296</td>
<td>Theory, Meaning, Value</td>
<td></td>
</tr>
<tr>
<td>LIT 165</td>
<td>Topics in Literature</td>
<td></td>
</tr>
<tr>
<td>or LIT 206</td>
<td>African American Literature/Literary Theory</td>
<td></td>
</tr>
</tbody>
</table>

Elective Courses

Two LIT (one must be a 300-level) and two CLS (one must be a 300-level) courses. Of these four courses, one from each category of the major’s literatures track must be taken: a genre, an American multiethnic/world, and a historical context.

Note: FLM courses may not be used to fulfill this requirement.

A 400-level ENG or 400-level CLS (taken under advisement)

Total Credits 18
ETHNIC STUDIES PROGRAMS

College of Arts & Sciences
201 Old Library
610-436-2725
Anderson Hall 108E
610-436-2361

Ethnic Studies (http://www.wcupa.edu/_ACADEMICS/sch_cas/eth_stu)
Bonita Freeman-Witthoft (bfreeman-witthoft@wcupa.edu), Director
Frank J. Hoffman (hoffman@wcupa.edu), Associate Director

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 multiethnic emphasis or to a concentration in one of the following areas:

- Asian American Studies
- Hispanic American Studies
- Jewish American Studies
- Native American Studies

Programs

Minors in Ethnic Studies
- Ethnic Studies (p. 255)
- Holocaust Studies (p. 256)

Policies
- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

Faculty

Professors
Timothy J. Brown (tbrown@wcupa.edu) (2002)
Chairperson, Communication Studies
B.A., M.A., West Chester University; Ph.D., Ohio State University
Anita K. Foeman (afoeman@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
Alice J. Sphe (aspeh@wcupa.edu) (1989)
Director, Liberal Studies Program
B.A., Brown University; M.A., Ph.D., Bryn Mawr College
Linda S. Stevenson (lstevenson@wcupa.edu) (2002)
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
Richard W. Voss (rvoess@wcupa.edu) (1996)
B.A., St. Fidelis College; M.S.W., Fordham University; D.P.C., Loyola College

Associate Professors
Mahrufk Azam (mazam@wcupa.edu) (2004)
B.S., Punjab University; M.S., Quaid-e-Azam University; M.S., Ph.D., Seton Hall University
Cecilia Lee-Fang Chien (cchien@wcupa.edu) (2005)
Assistant Chairperson, History
B.A., Central Michigan University; M.A., Ph.D., Harvard University
Valerian Desousa (vdesousa@wcupa.edu) (2008)
B.A., Bombay University; M.A., Xavier Labour Relations Institute (India); Ph.D. University of Illinois at Urbana-Champaign
Bonita Freeman-Witthoft (bwitthoft@wcupa.edu) (1974)
Director, Ethnic Studies Program
B.A., University of Maine; M.A., Ph.D., University of Pennsylvania
Cherise Pollard (cpollard@wcupa.edu) (1999)
B.A., Rutgers - The State University; M.A., Ph.D., University of Pittsburgh

Assistant Professors
Miguel Ceballos (mceballos@wcupa.edu) (2012)
B.A., University of California, Berkeley, M.A., University of Texas at Austin; M.S., Ph.D., University of Wisconsin-Madison
Michael A. Di Giovine (mdigiovine@wcupa.edu) (2013)
B.S., Georgetown University; A.M., Ph.D., The University of Chicago
Ann Lieberman-Colgan (acolgan@wcupa.edu) (2014)
BA., West Chester University of Pennsylvania; M.Ed., River College
Donald McCown (dmccown@wcupa.edu) (2011)
B.A., Eastern University; M.S.S., Bryn Mawr College; Ph.D. Tilburg University

Instructor
Ana C. Sánchez (asanchez@wcupa.edu) (1996)
B.A., M.A., National University of Costa Rica (Costa Rica); M.A., West Chester University

MINOR IN ETHNIC STUDIES

College of Arts & Sciences
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 multiethnic emphasis or to a concentration in one of the following areas:

- 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 Hispanic American Studies concentration offers an interdisciplinary course of study to students interested in the literary, political, artistic, and cultural significance of Hispanic American culture.
- The Jewish American Studies concentration offers an interdisciplinary approach with a foundation in Jewish history, language, and literature.
- The Native American Studies concentration offers an interdisciplinary course of study structured around the literary, historical, and cultural significance of Native American culture.

For current requirements and a list of approved courses in each specialization, consult the director of ethnic studies.
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 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.

For advising in ethnic studies, contact the director, Dr. Bonita Freeman-Witthoft, at bfreeman-witthoft@wcupa.edu (610-436-2725), or the associate director, Dr. Frank J. Hoffman, at fhoffman@wcupa.edu (610-436-2361).

MINOR IN HOLOCAUST STUDIES

College of Arts & Sciences

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIS 332</td>
<td>The Holocaust</td>
<td>3</td>
</tr>
<tr>
<td>HIS 349</td>
<td>The Jew in History</td>
<td>3</td>
</tr>
<tr>
<td>PHI 180</td>
<td>Introduction to Ethics</td>
<td>3</td>
</tr>
</tbody>
</table>

Elective Courses

Select three of the following: 9

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 220</td>
<td>Cultures of Ethnic Groups in America</td>
</tr>
<tr>
<td>HIS 423</td>
<td>Modern Germany</td>
</tr>
<tr>
<td>LIT 304</td>
<td>American Jewish Novel</td>
</tr>
<tr>
<td>PSC 352</td>
<td>Constitutional Law II: Civil Liberties and Civil Rights</td>
</tr>
<tr>
<td>PSC 322</td>
<td>Public Opinion, Media and Politics</td>
</tr>
<tr>
<td>PSY 254</td>
<td>Social Psychology</td>
</tr>
<tr>
<td>SOC 335</td>
<td>Racial and Cultural Minorities</td>
</tr>
<tr>
<td>SWO 225</td>
<td>Race Relations</td>
</tr>
</tbody>
</table>

Total Credits 18
DEPARTMENT OF GEOGRAPHY AND PLANNING

College of Business & Public Affairs

103 Ruby Jones Hall
610-436-2343
Department of Geography and Planning (http://www.wcupa.edu/academics/sch_sba.geo/default.asp)
Dorothy Ives-Dewey (divesdewey@wcupa.edu), Chairperson

Geography and planning are academic disciplines that integrate the physical and social sciences. Students study the patterns and processes of human and physical phenomena in relationship to each other. Students gain knowledge that can be applied to solving societal, economic, and environmental problems and to planning for the future, whether they are taking general education or elective courses, acquiring specialized preparation needed for working in geography and planning and related fields, or meeting particular needs in combination with other majors in arts and sciences or professional fields.

The fields of geography and planning assist students in comprehending the broad scope of the physical, cultural, demographic, and economic environments on local, national, and global scales. Geography and planning courses develop skills and organize knowledge from various disciplines, and enable students to examine the integrated whole of a people with reference to habitat and interspatial relationships. Specialized skills, which utilize Geographic Information Systems (GIS) technology, provide salable skills for students interested in technical careers and complement courses that teach knowledge of environmental and human situations and problems.

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. 259)

Minors in Geography and Planning

• Geography and Planning (p. 263)
  • Business Geographic Information Systems (p. 263)

Other Programs in Geography and Planning

• Elective Social Studies Teacher Certification Program (p. 263)

Graduate Opportunities

See the graduate catalog for more information on the Geography and Planning program. (http://catalog.wcupa.edu/graduate/business-public-affairs/geography-planning)

Policies

• See undergraduate admissions information. (p. 11)
• See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

Faculty

Professors

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 (jlewandows@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., Duquesnes University; M.S.P.M.P., Carnegie Mellon University;
Ph.D., Texas A&M University
Kristen B. Crossney (kcrossney@wcupa.edu) (2008)
B.S., University of Maryland-Baltimore County; M.A., Temple
University; Ph.D., Rutgers University
Joy Fritschle (jfritschle@wcupa.edu) (2007)
B.A., Humboldt State University; M.S., University of Memphis; Ph.D.,
University of Wisconsin-Madison
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.
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.
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 course 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.
Distance education offering may be available.
Typically offered in Fall.

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.
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.

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.
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 with 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.
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.
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.
Distance education offering may be available.
Typically offered in Fall, 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 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: GEO 320 requires prerequisite of GEO 214.
Typically offered in Fall.

GEO 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: GEO 322 requires prerequisite of GEO 214.
Typically offered in Spring.

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 105 or MAT 107 or MAT 108 or MAT 121 or MAT 161 or MAT 110 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 the 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.

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: Add consent. Typically offered in Summer. Repeatable for Credit.

GEO 412. GIS Applications in Health. 3 Credits.
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 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 MS 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 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)

| Academic Foundations requirements | 12 |
| English Composition (6 credits) |  |
| Math (3 credits) |  |
| Public Speaking (3 credits) |  |
| Science requirements | 6 |
| Behavioral & Social Science requirements | 6 |
| Humanities requirements | 6 |
| Arts requirement | 3 |
| Diverse Communities requirement | 3 |
| Interdisciplinary requirement | 3 |
| Student Electives | 9 |

**Additional Baccalaureate Requirements**

| 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.

**Additional geography or social/behavioral science courses**

Select 9 semester hours

**Major Requirements**

- GEO 102 Physical Geography 3
- GEO 225 Introduction to Maps and Remote Sensing 3
- GEO 310 Population Geography 3
- GEO 326 Geographical Analysis 3
- GEO 400 Senior Seminar in Geography 3
- GEO 404 Senior Project in Geography 3

**Track Requirements**

Select one of the following tracks:

| Geography Track | 15 |
| Select five courses from specified groups 1 |

| Urban/Regional Planning Track |  |
| GEO 214 Introduction to Planning |  |
| GEO 324 Intro to Geographic Information Systems or GEO 328 Computer Cartography |  |
| Select one of the following: |  |
| GEO 320 Land Use Planning |  |
| GEO 322 Land Development Controls |  |
| GEO 336 Environmental Planning |  |
| Select two additional courses from a specified list 1 |

| Geographic Information Systems Track |  |
| GEO 324 Intro to Geographic Information Systems |  |
| GEO 328 Computer Cartography |  |
| GEO 424 Geographic Information Systems Application |  |
| Select two courses from specified lists of courses 1 |

| Environmental Geography Track |  |
| GEO 324 Intro to Geographic Information Systems |  |
| GEO 230 Environmental Conservation and Sustainability |  |

| or GEO 332 Environmental Crises |  |
| Select three courses from specified lists of courses 1 |

**Elective Social Studies Teacher Certification Track**

| GEO 204 Introduction to Urban Studies (interdisciplinary) |  |
| GEO 301 Geography of United States and Canada (diverse communities) |  |
| GEO 312 Urban Geography (diverse communities) |  |
| Select two geography courses 2 |

Under advisement, cognates and free electives are selected to complete remaining teacher certification requirements and prepare for standardized examination.

**Related/Cognate Requirements**

Courses (taken under advisement) that are specifically related to identified career aspirations, and chosen outside general requirements, or geography core:

- 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

1. Taken under advisement
2. Most recommended are GEO 101, GEO 213, GEO 214, GEO 215, GEO 230, GEO 302, GEO 303, GEO 318, GEO 324, GEO 332

**Degree Progress**

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.

**Recommended Course Sequence- BA Geography: General Track**

**Year One**

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WRT 200 Critical Writing and Research 3  
Foreign Language (201) 3  
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### Recommended Course Sequence - BA Geography: GIS Track

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### Recommended Course Sequence - BA Geography: Environmental Track

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<td>ENG 368 or 371 Business and Organizational Writing</td>
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<td>GEO 424 Geographic Information Systems Application</td>
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### Recommended Course Sequence - BA Geography: Planning Track

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</table>

### Credits

- **Total Credits**: 60
Cognate Course

Credits

Semester Eight

GEO 404 Senior Project in Geography 3
Geography Elective 3
Geography Elective 3
General Education Course 3
Cognate Course 3

Credits

ELECTIVE SOCIAL STUDIES TEACHER CERTIFICATION PROGRAM

College of Business & Public Affairs

Curriculum

This 120-degree track allows students to elect courses toward teacher certification requirements that also qualify as general education, cognate, and free elective selections. See the “Educator Preparation Programs (p. 239)” section in the catalog for an explanation of related requirements.

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

Academic Foundations requirements 12
- English Composition (6 credits)
- Math (3 credits)
- Public Speaking (3 credits)
Science requirements 6
- Behavioral & Social Science requirements
- Humanities requirements 6
- Arts requirement 3
Diverse Communities requirement 3
- Interdisciplinary requirement 3
- Student Electives 9

Recommended selections for this track include GEO 204 (interdisciplinary requirement), GEO 312 (diverse communities requirement), CLS 165 and HIS 101 (humanities requirement), ECO 101 and PSC 100 (behavioral and social sciences requirement), MAT 103 (math requirement), SPK 230 (public speaking requirement), and art history or music history (arts requirement).

Additional Baccalaureate Requirements

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

Geography Core

GEO 102 Physical Geography 3
GEO 225 Introduction to Maps and Remote Sensing 3
GEO 310 Population Geography 3
GEO 326 Geographical Analysis 3
GEO 400 Senior Seminar In Geography 3
GEO 404 Senior Project in Geography 3

Additional Geography Courses

GEO 301 Geography of United States and Canada 3
Select two additional courses from recommended list 6

Secondary Education Core

EDA 103 Foundations of Special Education 3
EDA 303 Special Ed: Processes/Procedures for General Educators 2
EDF 300 Democracy and 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
EDR 347 Literacy Development and Secondary Students with Disabilities in Inclusive Classrooms 3
EDS 411 Student Teaching Sec - 1st Half 6
EDS 412 Student Teaching Sec - 2nd Half 6
LAN/ENG 382 Teaching English Language Learners PK-12 3

Total Minimum Credits Required 120

Degree Progress

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 BUSINESS GEOGRAPHIC INFORMATION SYSTEMS

College of Business & Public Affairs

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

GEO 325 Intro Business GIS 3
GEO 425 Business GIS Applications 3
Select one of the following: 3
- ECO 251 Quantitative Business Analysis I
- GEO 326 Geographical Analysis
- MAT 121 Statistics

Elective Courses

Select 9 semester hours under advisement from the department 1 9

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

MINOR IN GEOGRAPHY & PLANNING

College of Business & Public Affairs

The geography minor provides a flexible geography focus that combines well with other majors. It consists of 18 semester hours of geography courses, no more than six hours of which may be at the 100 level. Students are required to take either GEO 101 or GEO 103. The department will advise students on selection of courses appropriate to their needs. 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.
**DEPARTMENT OF GEOLOGY AND ASTRONOMY**

*College of Arts & Sciences*

207 Merion Science Center
610-436-2727

Department of Geology and Astronomy (http://www.wcupa.edu/_ACADEMICS/sch_casMSC)

Martin Helmke (mhelmke@wcupa.edu), Chairperson

The Department of Geology and Astronomy 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 Geology and Astronomy 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. 268) 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. 267) 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 adviser regularly to ensure timely completion of the degree. Students in the B.S. in education program will have a second adviser in the College of Education to help them meet the secondary education requirements.

**Programs**

**Majors in Geology and Astronomy**

- B.S. in Geoscience - Concentration in Geology (p. 268)
- B.S. in Geoscience - Concentration in Earth Systems (p. 267)
- B.S.Ed. in Earth and Space Sciences (p. 269)

**Minors in Geology and Astronomy**

- Astronomy (p. 271)
- Earth Science (p. 271)
- Geology (p. 271)
- Science Education (p. 271)

**Other Programs in Geology and Astronomy**

- General Science Certification (p. 271)

**Graduate Opportunities**

See the graduate catalog for more information on the Geology and Astronomy program. (http://catalog.wcupa.edu/graduate/arts-sciences/geology-astronomy)

**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)

**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)
B.S., University of Montreal; Ph.D., University of Georgia

Steven C. Good (sgood@wcupa.edu) (1996)
B.A., Augustana College; M.A., Ph.D., University of Colorado

Timothy Lutz (tlutz@wcupa.edu) (1998)
B.A., Wesleyan University; Ph.D., University of Pennsylvania

Elizabeth Leeann Srog (esrog@wcupa.edu) (1991)
B.S., Yale University; Ph.D., University of Pennsylvania

**Associate Professors**

Cynthia G. Fisher (cfisher@wcupa.edu) (2000)
B.A., Augustana College; M.B.Sc., Ph.D., University of Colorado

Martin Helmke (mhelmke@wcupa.edu) (2005)
Chairperson, Geology and Astronomy
B.S., Antioch College; Ph.D., Iowa State University

Joby Hilliker (jhilliker@wcupa.edu) (2004)
Graduate Coordinator, Geology and Astronomy
B.S., M.S., Ph.D., Pennsylvania State University

Karen M. Schwarz (kschwarz@wcupa.edu) (2005)
B.S., New Mexico Institute of Mining and Technology; Ph.D., Arizona State University

Arthur R. Smith (asmith2@wcupa.edu) (1984)
A.B., M.S., Ed.D., University of Pennsylvania
Courses

ESS

ESS 101. Introduction to Geology. 3 Credits.
LAB, LEC.
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.
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 BIO 102 or ENV 102 for credit.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Fall, Spring & Summer.

ESS 111. Other Worlds, Other Stars. 3 Credits.
An introductory, general education 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.
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.
Typically offered in Fall & Spring.

ESS 125. Volcanoes. 3 Credits.
LAB, LEC.
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.
Gen Ed Attribute: Science Distributive.
Typically offered in Fall & Spring.

ESS 130. Our Coastal Ocean. 3 Credits.
LAB, LEC.
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.
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.
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 prerequisite of ESS 101.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

ESS 204. Historical Geology. 3 Credits.
LAB, LEC.
The geologic history of Earth inferred by analyzing and evaluating the geologic record of its physical and biological changes on local, regional, and global scales. Laboratory included.
Pre / Co requisites: ESS 204 requires prerequisite ESS 101.
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: Prerequisites of CHE 103 and ESS 101.
Typically offered in Spring.

ESS 302. Mineralogy. 3 Credits.
LAB, LEC.
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.
LAB, LEC.
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 prerequisite MAT 105 or 110 or 108 or 161.
Typically offered in Fall.

ESS 321. Geometrics. 3 Credits.
Application of computational and statistical methods to geologic problems. Geologic mapping, data comparisons in environmental, petrologic, paleontologic, and geochemical problems.
Typically offered in Fall.

ESS 322. GenT 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.
ESS 330. Introduction to Oceanography. 3 Credits.
LAB, LEC.
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.
LAB, LEC.
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: Prerequisite of ESS 101. Typically offered in Spring.

ESS 343. Geomorphology. 3 Credits.
Structural and degradational forces that have shaped present landforms and are constantly reshaping and modifying landforms. Interpretation of geologic and topographic maps; field studies. Pre / Co requisites: ESS 343 requires prerequisites of ESS 101 and ESS 204. Typically offered in Spring.

ESS 344. Geomorphology II. 3 Credits.

ESS 347. 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 348. International Geology Field Studies. 3 Credits.
Field investigations of selected country's physical environments focusing on geology and natural resources in relationship to cultural traditions, lifestyle and sustainability. Case studies of human adaptation to local and global environmental challenges will be considered. Two hours of lecture and two hours of lab. Pre / Co requisites: ESS 348 requires prerequisite ESS 101 or ESS 102 or permission of instructor.

ESS 355. Intermediate Astronomy. 3 Credits.
LAB, LEC.
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 362. History of Astronomy. 3 Credits.
Development of astronomical theories from the ancient Greeks until the 20th century. Pre / Co requisites: ESS 362 requires prerequisite of ESS 111.

ESS 370. Introduction to Meteorology. 3 Credits.
LAB, LEC.
A study of the principles governing the earth's atmosphere and how these principles determine weather conditions. Pre / Co requisites: ESS 370 requires prerequisite of MAT105 or MAT108 or MAT 110 or MAT161. Typically offered in Fall.

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 270. Typically offered in Spring.

ESS 374. 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: Add consent.

ESS 375. 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: Add consent.

ESS 405. Igneous and Metamorphic Petrology. 3 Credits.
LAB, LEC.
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 405 requires prerequisites of ESS 201 and ESS 302. Typically offered in Spring.

ESS 420. Structural Geology. 3 Credits.
LAB, LEC.
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 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 (reflection and refraction), 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. Typically offered in Fall. Repeatable for Credit.

ESS 450. Sedimentation & Stratigraphy. 3 Credits.
LAB, LEC.
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 prerequisite of ESS 347 or department consent. Typically offered in Fall. Repeatable for Credit.

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.
LAB, LEC.
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 - CONCENTRATION IN EARTH SYSTEMS

College of Arts & Sciences

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

Academic Foundations requirements 12
  English Composition (6 credits)
  Math (3 credits)
  MAT 121 Statistics
  Public Speaking (3 credits)
Science requirements 6
Behavioral & Social Science requirements 6
Humanities requirements 6

Total Minimum Credits Required 120

Department of Geosciences

B.S. IN GEOSCIENCE - CONCENTRATION IN EARTH SYSTEMS

West Chester University of Pennsylvania

ESS 101 Introduction to Geology 3
ESS/SCB/ENV 102 Humans and the Environment 3
or SCB 210 The Origin of Life and the Universe 3
ESS 201 Field Geology 3
ESS 204 Historical Geology 3
ESS 301 Environmental Geochemistry 3
ESS 302 Mineralogy 3
ESS 311 Introduction to Astronomy 3
ESS 330 Introduction to Oceanography 3
ESS 331 Introduction to Paleontology 3
ESS 343 Geomorphology 3
ESS 347 Earth & Space Science Seminar 1
ESS 370 Introduction to Meteorology 3
ESS 405 Igneous and Metamorphic Petrology 3
ESS 420 Structural Geology 3
ESS 450 Sedimentation & Stratigraphy 3

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.

Related/Cognate Requirements

CHE 103 General Chemistry I 3
CRL 103 Experimental General Chemistry I (LAB) 1
PHY 130 General Physics I 4
or PHY 170 Physics I 4
MAT 105 Algebra, Functions, and Trigonometry 3
or MAT 110 Precalculus 3
BIO 110 General Biology (grade of C- or higher required) 3

Geology and Astronomy Electives
Select any two ESS courses at the 300 or 400 level 6

Total Minimum Credits Required 120

Degree Progress

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; courses offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

Year One

Semester One Credits

ESS 101 Introduction to Geology 3
MAT 105 or 121 Algebra, Functions, and Trigonometry 3
WRT 120 Effective Writing I 3
Gen Ed Soc/Behav Course 3
Gen Ed Elective 3

Semester Two

MAT 121 or 105 Statistics 3
BIO 110 General Biology 3
Gen Ed Soc/Behav 3

Credits 15
ESS 204 or 201  Historical Geology  (W) 3
Select one of the following: 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
ESS 201 or 204  Field Geology (W) 3
ESS 311  Introduction to Astronomy 3
CHE 103  General Chemistry I & CRL 103 4
ESS 480  Special Problems 1
Gen Ed Hum Course 3
Gen Ed "J" course 3

Credits 17

Semester Four
ESS 331 (W)  Introduction to Paleontology 3
ESS 301  Environmental Geochemistry 3
ESS 302  Mineralogy 3
Gen Ed Hum Course 3
Elective Recommend CHE & CRL 104 3-4

Credits 15-16

Year Three

Semester Five
ESS 330  Introduction to Oceanography 3
ESS 347  Earth Space Science Seminar 1
ESS 370  Introduction to Meteorology 3
PHY 130  General Physics I 4
ESS 480  Special Problems 1
ESS 302  Mineralogy 3

Credits 15

Semester Six
ESS 331 (W)  Introduction to Paleontology 3
ESS 343  Geomorphology 3
Gen Ed SPK Course 3
ESS 405  Igneous and Metamorphic Petrology 3
ESS 420  Structural Geology 3

Credits 15

Year Four

Semester Seven
ESS 447  Earth Space Science Seminar 1
ESS 450  Sedimentation Stratigraphy 3
Gen Ed Art Course 3
Gen Ed Elective 9

Credits 16

Semester Eight
Elective: recommend GEO 324 3
ESS elective 3
Gen Ed Elective 3
Elective: Recommend PHY 140 3-4

Credits 3

B.S. IN GEOSCIENCE - CONCENTRATION IN GEOLOGY

Credits 15-16

B.S. IN GEOSCIENCE - CONCENTRATION IN GEOLOGY

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

Academic Foundations requirements 12
  English Composition (6 credits)
  Math (3 credits)
    MAT 121  Statistics
    MAT 121  Public Speaking (3 credits)

Science requirements 6
  Behavioral & Social Science requirements 6
  Humanities requirements 6
  Arts requirement 3
  Diverse Communities requirement 3
  Interdisciplinary requirement 3
  Student Electives 9

Additional Baccalaureate Requirements

Writing Emphasis requirements 9

Major 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
ESS 201  Field Geology 3
ESS 347  Earth & Space Science Seminar 1
ESS 439  Hydrogeology 3
ESS 447  Earth & Space Science Seminar 1
ESS/SCB/ENV 102  Humans and the Environment 3

Select one of the following: 3
  ESS 321  Geometrics
  GEO 324  Intro to Geographic Information Systems
  GEO 325  Intro Business GIS
  CSC 115  Introduction to Computer Programming

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.

Related/Cognate Requirements

CHE 103  General Chemistry I 3
CRL 103  Experimental General Chemistry I (LAB) 1
PHY 130  General Physics I 4
or PHY 170  Physics I
MAT 121  Statistics 3
MAT 108  Brief Calculus 3
or MAT 161  Calculus I

Geology and Astronomy Electives
Select any three ESS courses at the 300 or 400 level 9

Total Minimum Credits Required 120

Degree Progress

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Year One

<table>
<thead>
<tr>
<th>Semester One</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESS 101 Introduction to Geology</td>
<td>3</td>
</tr>
<tr>
<td>MAT 105 or 121 Algebra, Functions, and Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>WRT 120 Effective Writing I</td>
<td>3</td>
</tr>
<tr>
<td>Gen Ed Soc/Behav</td>
<td>3</td>
</tr>
<tr>
<td>Gen Ed Elective</td>
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</tbody>
</table>

Year Two

<table>
<thead>
<tr>
<th>Semester Three</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESS 201 (or 204 Field Geology</td>
<td>3</td>
</tr>
<tr>
<td>Gen Ed “W” course</td>
<td></td>
</tr>
<tr>
<td>ESS Elective: recommend GEO 324</td>
<td>3</td>
</tr>
<tr>
<td>CHE 103 General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>&amp; CRL 103</td>
<td></td>
</tr>
<tr>
<td>ESS 480 Special Problems</td>
<td>1</td>
</tr>
<tr>
<td>Gen Ed Hum</td>
<td>3</td>
</tr>
<tr>
<td>Gen Ed “J” course</td>
<td>3</td>
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</table>

Year Three

<table>
<thead>
<tr>
<th>Semester Four</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ESS 102 (&quot;I&quot; course) Humans and the Environment</td>
<td>3</td>
</tr>
<tr>
<td>ESS 301 Environmental Geochemistry</td>
<td>3</td>
</tr>
<tr>
<td>MAT 108 or 161 Brief Calculus</td>
<td>3-4</td>
</tr>
<tr>
<td>ESS 331 (Gen Ed &quot;W&quot; course) Introduction to Paleontology</td>
<td>3</td>
</tr>
<tr>
<td>Elective Recommend CHE &amp; CRL 104</td>
<td>3-4</td>
</tr>
</tbody>
</table>

Year Four

<table>
<thead>
<tr>
<th>Semester Five</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ESS 302 Mineralogy</td>
<td>3</td>
</tr>
<tr>
<td>ESS 347 Earth Space Science Seminar</td>
<td>1</td>
</tr>
<tr>
<td>PHY 130 or 170 General Physics I</td>
<td>4</td>
</tr>
<tr>
<td>ESS 480 Special Problems</td>
<td>1</td>
</tr>
<tr>
<td>Gen Ed Hum</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>Select from the following:</td>
<td></td>
</tr>
<tr>
<td>ESS 321 Geometrics</td>
<td>3</td>
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<tr>
<td>GEO 324 or 325 Intro to Geographic Information Systems</td>
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</tr>
<tr>
<td>CSC 115 Introduction to Computer Programming</td>
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</table>

Credits 18

<table>
<thead>
<tr>
<th>Semester Six</th>
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<tbody>
<tr>
<td>ESS 343 Geomorphology</td>
<td>3</td>
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<tr>
<td>ESS 439 Hydrogeology</td>
<td>3</td>
</tr>
<tr>
<td>ESS 405 Igneous and Metamorphic Petrology</td>
<td>3</td>
</tr>
<tr>
<td>ESS 420 Structural Geology</td>
<td>3</td>
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<tr>
<td>Gen Ed SPK</td>
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Credits 15

<table>
<thead>
<tr>
<th>Semester Seven</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ESS 450 Sedimentation Stratigraphy</td>
<td>3</td>
</tr>
<tr>
<td>ESS 447 Earth and Space Science Seminar</td>
<td>1</td>
</tr>
<tr>
<td>Gen Ed Art</td>
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<td>Gen Ed Elective</td>
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<tr>
<td>ESS Elective</td>
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Credits 16

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<tbody>
<tr>
<td>ESS Elective</td>
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</tr>
<tr>
<td>Elective: Recommend PHY 140</td>
<td>3-4</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Credits 15-16

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. 239)” 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 (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

Academic Foundations requirements 12

| English Composition (6 credits) | |
| Math (3 credits) | |
| MAT 121 Statistics | |
| Public Speaking (3 credits) | |
| Science requirements | 6 |
| Behavioral & Social Science requirements | 6 |
Humanities requirements 6  
Arts requirement 3  
Diverse Communities requirement 3  
Interdisciplinary requirement 3  
Student Electives 9  

Additional Baccalaureate Requirements  
Writing Emphasis requirements 9  

Related/Cognate Requirements  
CHE 103 General Chemistry I 3  
CRL 103 Experimental General Chemistry I (LAB) 1  
PHY 130 General Physics I 4  
or PHY 170 Physics I 3  
MAT 105 Algebra, Functions, and Trigonometry 3  
or MAT 110 Precalculus 3  
BIO 110 General Biology 3  

Major Requirements  
ESS 101 Introduction to Geology 3  
ESS/ENV/SCB 102 or SCB 210 (GE “I” course) Humans and the Environment 3  
ESS 201 Field Geology 3  
ESS 204 Historical Geology 3  
ESS 301 Environmental Geochemistry 3  
ESS 302 Mineralogy 3  
ESS 311 Introduction to Astronomy 3  
ESS 330 Introduction to Oceanography 3  
ESS 331 Introduction to Paleontology 3  
ESS 334 Geomorphology 3  
ESS 347 Earth & Space Science Seminar 1  
ESS 370 Introduction to Meteorology 3  
ESS 405 Igneous and Metamorphic Petrology 3  
ESS 420 Structural Geology 3  
ESS 450 Sedimentation & Stratigraphy 3  

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.  

Education Requirements  
EDA 103 Foundations of Special Education 3  
EDA 304 Special Ed Processes/Procedures for Secondary Educators 3  
EDP 250 Educational Psychology 3  
EDR 347 Literacy Development and Secondary Students with Disabilities in Inclusive Classrooms 3  
EDS 306 Teaching Principles and Field Experience in Secondary Schools 3  
EDS 411 Student Teaching Sec - 1st Half 6  
EDS 412 Student Teaching Sec - 2nd Half 6  
HIS 444 History of American Education 3  
LAN/ENG 382 or ENG 382 (GE “J” course) Teaching English Language Learners PK-12 3  
SCB 350 Science Education in Secondary School 3  
or SCE 350 Science Education in the Secondary School 3  

Students may obtain additional certification in general science and/or environmental education in addition to earth and space science  

Total Minimum Credit Requirement 126  

The following is a suggested course sequence for this program; courses offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.  

Year One  

Semester One  
ESS 101 Introduction to Geology 3  
EDP 250 Educational Psychology 3  
WRT 120 Effective Writing I 3  
MAT 105 or 121 Algebra, Functions, and Trigonometry 3  
Gen Ed Soc/Beh Course 3  

Credits 15  

Semester Two  
ESS 102 or SCB 210 (GE “I” course) Humans and the Environment 3  
MAT 121 or 125 (GE “J” course) Statistics 3  
HIS 444 (Hum GE) History of American Education 3  
Gen Ed Soc/Behav course 3  

Select one of the following: 3  
WRT 200 Critical Writing and Research 3  
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  

Credits 15  

Semester Three  
ESS 201 (GE “W” course) Field Geology 3  
ESS 204 (GE “W”) Historical Geology 3  
ESS 311 Introduction to Astronomy 3  
EDA 103 Foundations of Special Education 3  
CHE 103 General Chemistry I 4  

ESS 480 Special Problems 1  

Credits 17  

Year Two  

Semester Four  
ESS 201 (GE “W”) Field Geology 3  
ESS 204 (GE “W”) Historical Geology 3  
ESS 311 Introduction to Astronomy 3  
EDA 103 Foundations of Special Education 3  
CHE 103 General Chemistry I 4  

ESS 480 Special Problems 1  

Credits 17  

Semester Five  
ESS 301 Environmental Geochemistry 3  
BIO 110 General Biology 3  
EDR 347 Literacy Development and Secondary Students with Disabilities in Inclusive Classrooms 3  
Gen Ed Art Course 3  
Gen Ed Hum Course (LIT 165 or other LIT or CLS) 3  
Gen Ed SPK Course 3  

Credits 18  

Year Three  

Semester Six  
ESS 302 Mineralogy 3  
ESS 330 Introduction to Oceanography 3  
ESS 347 Earth Space Science Seminar 1  
EDA 303 Special Ed: Processes/Procedures for General Educators 2  
LAN 382 or EN 382 (GE “J” course) Teaching English Language Learners PK-12 3  
PHY 130 General Physics I 4  
ESS 480 Special Problems 1  

Credits 17  

Degree Progress  
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.
Semester Six

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ESS 450</td>
<td>Sedimentation Stratigraphy</td>
<td>3</td>
</tr>
<tr>
<td>ESS 331</td>
<td>Introduction to Paleontology</td>
<td>3</td>
</tr>
<tr>
<td>ESS 420</td>
<td>Structural Geology</td>
<td>3</td>
</tr>
<tr>
<td>ESS 343</td>
<td>Geomorphology</td>
<td>3</td>
</tr>
<tr>
<td>EDS 306</td>
<td>Teaching Principles and Field Experience in Secondary Schools</td>
<td>3</td>
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<tr>
<td>Gen Ed Elective</td>
<td></td>
<td>3</td>
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<td><strong>Credits</strong></td>
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Year Four

Semester Seven

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ESS 370</td>
<td>Introduction to Meteorology</td>
<td>3</td>
</tr>
<tr>
<td>SCE 350 or SCB 350</td>
<td>Science Education in the Secondary School</td>
<td>3</td>
</tr>
<tr>
<td>Gen Ed electives</td>
<td></td>
<td>3</td>
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<tr>
<td>Gen Ed electives</td>
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<td><strong>Credits</strong></td>
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Semester Eight

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<th>Course Code</th>
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<th>Credits</th>
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<tbody>
<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>Electives</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
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<td><strong>15</strong></td>
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GENERAL SCIENCE CERTIFICATION

Math Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>MAT 121</td>
<td>Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MAT 105 or MAT 110</td>
<td>Algebra, Functions, and Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td></td>
<td><strong>3</strong></td>
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</table>

Science Core Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 110</td>
<td>General Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIO 215</td>
<td>General Botany</td>
<td>3</td>
</tr>
<tr>
<td>BIO 217</td>
<td>General Zoology</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>Experimental General Chemistry I (LAB)</td>
<td></td>
</tr>
<tr>
<td>CHE 104</td>
<td>General Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>&amp; CRL 104</td>
<td>Experimental General Chemistry II (LAB)</td>
<td></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>
</tr>
<tr>
<td>PHY 130</td>
<td>General Physics I</td>
<td>4</td>
</tr>
<tr>
<td>or PHY 170</td>
<td>Physics I</td>
<td></td>
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<tr>
<td>PHY 140</td>
<td>General Physics II</td>
<td>4</td>
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<tr>
<td>or PHY 180</td>
<td>Physics II</td>
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<tr>
<td><strong>Credits</strong></td>
<td></td>
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</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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDA 304</td>
<td>Special Ed Processes/Procedures for Secondary Educators</td>
<td>3</td>
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<tr>
<td><strong>Select one of the following:</strong></td>
<td></td>
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</tr>
<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>Literary 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>
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<tr>
<td>LAN/ENG 382</td>
<td>Teaching English Language Learners PK-12</td>
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<tr>
<td>SCB 350</td>
<td>Science Education in Secondary School</td>
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<tr>
<td>or SCE 350</td>
<td>Science Education in the Secondary School</td>
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<td><strong>Total Credits</strong></td>
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MINOR IN ASTRONOMY

College of Arts & Sciences

Courses are selected with the approval of the department chairperson.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ESS 111</td>
<td>Other Worlds, Other Stars</td>
<td>3</td>
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<tr>
<td>ESS 307</td>
<td>Geology of the Solar System</td>
<td>3</td>
</tr>
<tr>
<td>ESS 355</td>
<td>Intermediate Astronomy</td>
<td>3</td>
</tr>
<tr>
<td>ESS 491</td>
<td>Independent Studies</td>
<td>3</td>
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<tr>
<td>SCB 210</td>
<td>The Origin of Life and the Universe</td>
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<tr>
<td><strong>Select one additional ESS course</strong></td>
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<td><strong>Total Credits</strong></td>
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MINOR IN EARTH SCIENCE

College of Arts & Sciences

Courses are selected with the approval of the department chairperson.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course 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>
</tr>
<tr>
<td><strong>Select two courses in earth science</strong></td>
<td></td>
<td></td>
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<tr>
<td><strong>Total Credits</strong></td>
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<td><strong>18</strong></td>
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MINOR IN GEOLOGY

College of Arts & Sciences

Courses are selected with the approval of the department chairperson.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course 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><strong>Select five additional Geology courses</strong></td>
<td></td>
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<tr>
<td><strong>Total Credits</strong></td>
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</table>

MINOR IN SCIENCE EDUCATION

College of Arts & Sciences

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):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<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>
</tr>
<tr>
<td>BIO 110</td>
<td>General Biology</td>
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<tr>
<td><strong>Total Credits</strong></td>
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</table>
### CHE/CRL 103 General Chemistry I
### CHE/CRL 107 General Chemistry for Allied Health Sciences
### ESS 101 Introduction to Geology
### PHY 130 General Physics I
### SCB 102 Humans and the Environment
### SCB 210 The Origin of Life and the Universe
### ESS 102 Humans and the Environment

Select advanced course work in these areas to achieve the required 18 credit total:

<table>
<thead>
<tr>
<th>Option 1:</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>BIO 204 Introductory Microbiology</td>
<td></td>
</tr>
<tr>
<td>BIO 214 General Microbiology</td>
<td></td>
</tr>
<tr>
<td>BIO 215 General Botany</td>
<td></td>
</tr>
<tr>
<td>BIO 217 General Zoology</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Option 2:</th>
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</thead>
<tbody>
<tr>
<td>CHE/CRL 104 General Chemistry II</td>
<td></td>
</tr>
<tr>
<td>or CHE 230 Introduction to Organic and Biological Chemistry</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Option 3:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ESS 201 Field Geology</td>
<td></td>
</tr>
<tr>
<td>ESS 204 Historical Geology</td>
<td></td>
</tr>
<tr>
<td>ESS 301 Environmental Geochemistry</td>
<td></td>
</tr>
<tr>
<td>ESS 307 Geology of the Solar System</td>
<td></td>
</tr>
<tr>
<td>ESS 330 Introduction to Oceanography</td>
<td></td>
</tr>
<tr>
<td>ESS 331 Introduction to Paleontology</td>
<td></td>
</tr>
<tr>
<td>ESS 370 Introduction to Meteorology</td>
<td></td>
</tr>
<tr>
<td>PHY 140 General Physics II</td>
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</tbody>
</table>

Total Credits: 18
DEPARTMENT OF HEALTH

College of Health Sciences

207 Sturzebecker Health Sciences Center
610-436-2931
Department of Health (http://www.wcupa.edu/_ACADEMICS/HealthSciences/health/default.asp)
Bethann Cinelli (bcinelli@wcupa.edu), Chairperson
Debra Bill (dbill@wcupa.edu), Assistant Chairperson
Lynn Carson (lcarson@wcupa.edu), Assistant Chairperson

The Department of Health offers four programs leading to a Bachelor of Science Degree.

- **Public Health-Health Promotion** 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.

- **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, bioterrorism, emergency preparedness, risk assessment, and water quality. 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.

- **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 care 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.

### Programs

#### Majors in Health

- B.S. in Public Health: Health Promotion (p. 279)
- B.S. in Environmental Health (p. 277)
- B.S. in Health Science: General (p. 277)
- B.S. in Health Science: Respiratory Care (p. 277)

#### Minors in Health

- Contemplative Studies (p. 280)
- Environmental Health (p. 280)
- Health Sciences (p. 280)

#### Graduate Opportunities

See the graduate catalog for more information on the Health Science program. (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)

#### 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 advisers.

2. Overall GPAs for internships and field experiences
   
   a. A minimum 2.5 cumulative GPA is required of environmental health majors for internships or field experience assignments.
   
   b. A minimum 2.5 cumulative GPA is required for health promotion majors for internships.

### 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
- Lynn Carson (lcarson@wcupa.edu) (1991)
- Graduate Coordinator, Health
- Assistant Chairperson, Health
- B.A., Neumann College; M.S., St. Joseph’s University; Ph.D., Temple University
- Bethann Cinelli (bcinelli@wcupa.edu) (1987)
- Chairperson, Health
- B.S., Indiana University of Pennsylvania; M.Ed., Temple University; D.Ed., Pennsylvania State University
- Tammy C. James (tjames@wcupa.edu) (1994)
- B.S., M.E., Ph.D., Kent State University
- Gopal Sankaran (gsankaran@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
- Maura J. Sheehan (msheehan@wcupa.edu) (1980)
- B.S., Lowell Technological Institute; M.S., University of Lowell; Sc.D., University of Pittsburgh
- Charles V. Shorten (cshorten@wcupa.edu) (1989)
- B.S., M.S., Virginia Polytechnic Institute and State University; Ph.D., Clemson University

#### Associate Professors

- James W. Brenner (jbrenner@wcupa.edu) (2004)
- B.S., West Chester University; M.Ed., College of New Jersey; Ph.D., Temple University
- Tanya Gatenby (tgatenby@wcupa.edu) (2000)
- B.A., M.S., University of Arkansas; Ph.D., University of North Carolina
- Christine Williams (cwilliams3@wcupa.edu) (2009)
- B.S., M.S., University of Delaware; Ph.D., Middle Tennessee State University

#### Assistant Professors

- Mary Elizabeth Bowen (mbowen@wcupa.edu) (2013)
- B.A., William and Mary College; M.A., University of Kansas; Ph.D., Virginia Tech
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: BIO 102, ENV 102, or ESS 102.
Gen Ed Attribute: Interdisciplinary Requirement.
Typically offered in Fall & Spring.
Cross listed with SCB 102, ENV 102, 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.
Typically offered in Summer.
ENV 435. Environmental Health Workshop. 1-6 Credits.
Special workshops on contemporary environmental health issues. Topics announced at time of offering.
Typically offered in Spring.
Repeatable for Credit.
ENV 445. Risk Assessment. 3 Credits.
An examination of human health and ecological risk assessment with emphasis on exposure estimation.
Pre / Co requisites: ENV 445 requires prerequisite of ENV 102.
Typically offered in Spring.
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.
Pre / Co requisites: ENV 447 requires prerequisite of ENV 102.
Typically offered in Fall.
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.
Pre / Co requisites: ENV 450 requires prerequisite of ENV 102.
ENV 451. Environmental Toxicology. 3 Credits.
An investigation of the health problems caused by toxic substances in the workplace and in the general environment.
Pre / Co requisites: ENV 451 requires prerequisites of BIO 204 and ENV 102 and co-requisite of CHE 230.
Typically offered in Spring.
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.
Pre / Co requisites: ENV 452 requires prerequisite of ENV 102.
Typically offered in Fall.
Repeatable for Credit.
ENV 453. Occupational Safety. 3 Credits.
A study of the recognition, evaluation, and control of safety hazards in the work environment.
Pre / Co requisites: ENV 453 requires prerequisite of ENV 102.
Typically offered in Spring.
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 of minimum cumulative GPA of 2.50 and senior level Environmental Health major.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall.
ENV 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: ENV 456 requires prerequisite of minimum cumulative GPA of 2.50 and senior level Environmental Health major.
Repeatable for Credit.
ENV 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: ENV 460 requires prerequisite of ENV 102.
Typically offered in Spring.
ENV 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: ENV 462 requires prerequisite of ENV 102.
Typically offered in Summer.
ENV 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.
Typically offered in Summer.
ENV 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 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.

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
Harry Holt (hholt@wcupa.edu) (2015)
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
Donald McCown (dmccown@wcupa.edu) (2011)
B.A., Eastern University; M.S.S., Bryn Mawr College; Ph.D. Tilburg University

HEA 453. Occupational Safety. 3 Credits.
A study of the recognition, evaluation, and control of safety hazards in the work environment.
Pre / Co requisites: ENV 453 requires prerequisite of ENV 102.
Typically offered in Spring.
HEA 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 of minimum cumulative GPA of 2.50 and senior level Environmental Health major.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall.
HEA 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: ENV 456 requires prerequisite of minimum cumulative GPA of 2.50 and senior level Environmental Health major.
Repeatable for Credit.
HEA 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: ENV 460 requires prerequisite of ENV 102.
Typically offered in Spring.
HEA 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: ENV 462 requires prerequisite of ENV 102.
Typically offered in Summer.
HEA 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.
Typically offered in Summer.
HEA 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.

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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.

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.
NOTE: There is an additional cost for CPR certification through the American Heart Association.
Typically offered in Fall & Spring.

HEA 220. Field Experience in Health. 1 Credit.
Opportunities for observation and field experience in health science settings.

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 & Spring.

HEA 240. Foundations of Health. 3 Credits.
Introductory course for undergraduate majors in health promotion/education. Primary emphasis on the philosophical, historical, and theoretical foundations of the profession.
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.
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 301. Health for the Elementary Grades. 3 Credits.
Provides basic health content and instructional methodology for preservice elementary teachers.
Pre / Co requisites: HEA 301 requires formal admission into teacher education.

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 identify 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.
Pre / Co requisites: HEA 304 requires Formal Admission to Teacher Education. Health and Physical Education majors only.
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 minimum GPA of 2.80 and Formal Admission to Teacher Education.
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 provides the knowledge and skills necessary to develop and teach K-12 alcohol, tobacco, and other drug (ATOD) prevention education lessons and curricula.
Typically offered in Fall.

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.

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 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.
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 breathing mechanics, pulmonary circulation, ventilation/perfusion ratios, regulation of ventilation, and gas transport.
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.

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 intern experience and implementation of major project at the practice site. This preparation will include a comprehensive and integrated application of the BS-PIN/IP 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 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.
Repeatable for Credit.

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 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 Formal Admission to Teacher Education.
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 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 care procedures.
Typically offered in Fall.

HEA 476. Respiratory Care Clinical II. 2 Credits.
An introduction to critical and specialized respiratory care areas followed by discussions and correlation to didactic work.
Typically offered in Fall.

HEA 477. Hemodynamics II. 3 Credits.
An advanced continuation of HEA 379 Hemodynamics I.
Typically offered in Fall.
HEA 478. Respiratory Therapy Seminar I. 3 Credits.
Includes critical, written analysis, and discussion of pertinent respiratory care literature as well as elements of research relevant to the respiratory care profession. The students culminate their study of respiratory care by designing and implementing a miniresearch project.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Spring.

HEA 479. Respiratory Care Clinical Practice III. 8 Credits.
An intensive exposure to critical care and specialized areas of respiratory care. Performance evaluation of therapies and procedures to include mechanical ventilator set-up, and evaluation, neonatal ventilator set-up, pulmonary function assessment, arterial line set-up, and arterial line blood withdrawal.
Typically offered in Spring.

B.S. IN ENVIRONMENTAL HEALTH
College of Health Sciences

Curriculum
General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

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<tr>
<th>Academic Foundations requirements</th>
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<td>Student Electives</td>
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Additional Baccalaureate Requirements
Writing Emphasis requirements | 9 |

Related/Cognate Requirements
BIO 110 General Biology 1 | 3 |
BIO 204 Introductory Microbiology | 4 |
BIO 270 Ecology | 3 |
BIO 484 Epidemiology | 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 230 Introduction to Organic and Biological Chemistry | 3 |
ECO 111 Principles of Economics (Macro) 1 | 3 |
ESS 101 Introduction to Geology 1 | 3 |
MAT 110 Precalculus | 3 |
MAT 121 Statistics 1 | 3 |
PHY 130 General Physics I 1 | 4 |

Major Requirements
ENV 102 Humans and the Environment 1 | 3 |
ENV 230 Hazardous Waste Operations and Emergency Response | 3 |
ENV 445 Risk Assessment | 3 |
ENV 447 Environmental Regulations | 3 |
ENV 451 Environmental Toxicology | 3 |
ENV 452 Industrial Hygiene I | 3 |
ENV 455 Environmental Health Seminar | 3 |
ENV 456 Environmental Health Internship | 3-12 |
ENV 460 Industrial Hygiene II | 3 |
ENV 462 Water Quality and Health | 3 |

HEA 110 Transcultural Health: Principles and Practice 1 | 3 |

Elective Requirements
Select 8 semester hours under advisement | 8 |

ENV 435 Environmental Health Workshop |
ENV 450 Hazardous and Solid Waste |
ENV 453 Occupational Safety |
ENV 470 Emergency Preparedness |
ENV 475 Bioterrorism, Bio-Crises, & Public Health |

Total Minimum Credits Required | 120 |

1 These required courses also satisfy general education requirements.

Degree Progress
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)

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Additional Baccalaureate Requirements
Writing Emphasis requirements | 9 |

Major Requirements
HEA 242 Introduction to Public and Community Health 1 | 3 |
HEA 341 Chronic and Communicable Diseases 1 | 3 |
HEA 419 Research Methods in Health 1 | 3 |
Select 15 semester hours as approved by an advisor 1 | 15 |

Total Minimum Credits Required | 120 |

1 Students must earn a C or better in each course.

Degree Progress
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: RESPIRATORY CARE
College of Health Sciences

Curriculum
Complete a minimum of 120 credits including the following required courses (all courses require a C or better):
General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

Academic Foundation requirements 12

- English Composition (6 credits)
- Math (3 credits)
- Public Speaking (3 credits)

Science requirements 6

Behavioral & Social Science requirements 6

Humanities requirements 6

Arts requirements 3

Diverse Communities requirement 3

Interdisciplinary requirement 3

Student Electives 9

Additional Baccalaureate Requirements

Writing Emphasis requirements 9

Related/Cognate Requirements

BIO 100 Basic Biological Science 3
BIO 204 Introductory Microbiology 4
BIO 259 Human Anatomy and Physiology I 4
BIO 269 Human Anatomy and Physiology II 4
CHE 100 Concepts of Chemistry 3
MAT 107 Algebra and Functions 3
PSY 100 Introduction to Psychology 3
PHI 180 Introduction to Ethics 3

Major Requirements

HEA 210 Introduction to Allied Health 3
HEA 370 Medical Terminology 1
HEA 371 Aspects of Respiratory Therapy I 2
HEA 372 Respiratory Anatomy and Physiology 3
HEA 373 Bronchopulmonary Hygiene 3
HEA 374 Oxygen Therapy 2
HEA 375 Cardiopulmonary Disease 3
HEA 376 Aspects of Respiratory Therapy II 2
HEA 377 Pharmacology 2
HEA 378 Respiratory Technology 3
HEA 379 Hemodynamics I 3
HEA 380 Clinical Practice I 6
HEA 435 Health Workshop 1-6
HEA 472 Mechanical Ventilation 3
HEA 473 Life Support Systems 3
HEA 474 Pulmonary Function Evaluation 2
HEA 475 Pediatric/Neonatal Respiratory Care 2
HEA 476 Respiratory Care Clinical II 2
HEA 477 Hemodynamics II 3
HEA 478 Respiratory Therapy Seminar I 3
HEA 479 Respiratory Care Clinical Practice III 8

Total Minimum Credits Required 120

1 These required courses also satisfy general education requirements.

Degree Progress

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; courses offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

<table>
<thead>
<tr>
<th>Year One</th>
<th>Semester One</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 100</td>
<td>Basic Biological Science</td>
<td>3</td>
</tr>
<tr>
<td>MAT 107</td>
<td>Algebra and Functions</td>
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<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</td>
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| Credits | 15 |

<table>
<thead>
<tr>
<th>Semester Two</th>
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<tbody>
<tr>
<td>BIO 259</td>
<td>Human Anatomy and Physiology I</td>
</tr>
<tr>
<td>WRT ___ Eng Requirement</td>
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</tr>
<tr>
<td>PHI 180</td>
<td>Introduction to Ethics</td>
</tr>
<tr>
<td>Diverse Communities Course</td>
<td>3</td>
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<tr>
<td>Interdisciplinary Course</td>
<td>3</td>
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</table>

| Credits | 16 |

<table>
<thead>
<tr>
<th>Year Two</th>
<th>Semester Three</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CHE 100</td>
<td>Concepts of Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>BIO 269</td>
<td>Human Anatomy and Physiology II</td>
<td>4</td>
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<tr>
<td>Humanities Course</td>
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<tr>
<td>Free Electives</td>
<td>6</td>
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| Credits | 16 |

<table>
<thead>
<tr>
<th>Semester Four</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BIO 204</td>
<td>Introductory Microbiology</td>
</tr>
<tr>
<td>HEA 210</td>
<td>Introduction to Allied Health</td>
</tr>
<tr>
<td>Social/Behavioral Course</td>
<td>3</td>
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<tr>
<td>Art Requirement</td>
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<td>Free Elective</td>
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| Credits | 16 |

<table>
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<tr>
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<th>Semester Five</th>
<th>Credits</th>
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<tr>
<td>HEA 370</td>
<td>Medical Terminology</td>
<td>1</td>
</tr>
<tr>
<td>HEA 371</td>
<td>Aspects of Respiratory Therapy I</td>
<td>2</td>
</tr>
<tr>
<td>HEA 372</td>
<td>Respiratory Anatomy and Physiology</td>
<td>3</td>
</tr>
<tr>
<td>HEA 373</td>
<td>Bronchopulmonary Hygiene</td>
<td>3</td>
</tr>
<tr>
<td>HEA 374</td>
<td>Oxygen Therapy</td>
<td>2</td>
</tr>
<tr>
<td>HEA 375</td>
<td>Cardiopulmonary Disease</td>
<td>3</td>
</tr>
<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>2</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>HEA 380</td>
<td>Clinical Practice I</td>
<td>6</td>
</tr>
<tr>
<td>HEA 435</td>
<td>Health Workshop</td>
<td>1-6</td>
</tr>
<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>
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</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>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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<td>Elective</td>
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| Credits | 17 |

<table>
<thead>
<tr>
<th>Semester Six</th>
<th>Credits</th>
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<tr>
<td>HEA 375</td>
<td>Cardiopulmonary Disease</td>
</tr>
<tr>
<td>HEA 376</td>
<td>Aspects of Respiratory Therapy II</td>
</tr>
<tr>
<td>HEA 377</td>
<td>Pharmacology</td>
</tr>
<tr>
<td>HEA 378</td>
<td>Respiratory Technology</td>
</tr>
<tr>
<td>HEA 379</td>
<td>Hemodynamics I</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
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| Credits | 16 |

<table>
<thead>
<tr>
<th>Summer</th>
<th>Credits</th>
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<tbody>
<tr>
<td>HEA 380</td>
<td>Clinical Practice I (9 weeks)</td>
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</table>

| Credits | 6 |

<table>
<thead>
<tr>
<th>Year Four</th>
<th>Semester Eight</th>
<th>Credits</th>
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</thead>
<tbody>
<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>
</tr>
<tr>
<td>HEA 474</td>
<td>Pulmonary Function Evaluation</td>
<td>2</td>
</tr>
<tr>
<td>HEA 475</td>
<td>Pediatric/Neonatal Respiratory Care</td>
<td>2</td>
</tr>
</tbody>
</table>
HEA 476  Respiratory Care Clinical II  2
HEA 477  Hemodynamics II  3

Credits  15

Semester Nine
HEA 478  Respiratory Therapy Seminar I  3
HEA 479  Respiratory Care Clinical Practice III  8
HEA 435  Health Workshop  1
Elective  3

Credits  15

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

B.S. IN PUBLIC HEALTH: HEALTH PROMOTION
College of Health Sciences

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

Academic Foundations requirements  12
  English Composition (6 credits)
  Math (3 credits)
  Public Speaking (3 credits)
Science requirements  6
  Behavioral & Social Science requirements  6
Humanities requirements  6
  Arts requirement  3
  Diverse Communities requirement  3
  Interdisciplinary requirement  3
  Student Electives  9

Additional Baccalaureate Requirements

Writing Emphasis requirements  9

Related/Cognate Requirements

BIO 100  Basic Biological Science  3
CHE 100  Concepts of Chemistry (or any chemistry course that meets general education requirements)  3

Pick two of these three social science courses

PSY 100  Introduction to Psychology  1
SOC 200  Introduction to Sociology  1
ANT 102  Introduction to Anthropology: Cultural

SPK 208  Public Speaking  1

or SPK 230  Business and Professional Speech Communication

Major Requirements

HEA 100  Dimensions of Wellness  3
HEA 240  Foundations of Health  3
HEA 242  Introduction to Public and Community Health  3
HEA 306  Curriculum and Instruction  3
HEA 330  Health Behavior  3
HEA 341  Chronic and Communicable Diseases  3
HEA 342  Program Planning and Evaluation  3
HEA 418  Preparation for Internship and for Professional Practice Seminar  3
HEA 419  Research Methods in Health  3
HEA 420  Health Marketing and Communications  3
HEA 421  Public Health Internship  3-12
HEA 436  Health Care Delivery - Trends; Challenges  3

Student Electives  15

Five health electives selected under advisement with no more than six credits at the HEA 100 level and no more than six credits of HEA 435

Grade Requirements

A cumulative GPA of 2.5 is needed before the start of the internship, HEA 421. In order to count towards the bachelor of science in public health/health promotion, public health core, and health elective classes require a minimum grade of C.

Total Minimum Credits Required  120

1 These required courses also satisfy general education requirements.

Degree Progress

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; courses offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

Year One

<table>
<thead>
<tr>
<th>Semester One</th>
<th>Credits</th>
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<tbody>
<tr>
<td>HEA 100</td>
<td>3</td>
</tr>
<tr>
<td>BIO 100 or CHE 100</td>
<td>3</td>
</tr>
<tr>
<td>HEA 242</td>
<td>3</td>
</tr>
<tr>
<td>MAT 103 or higher 1</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></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>SOC 200  Introduction to Sociology</td>
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</table>

Credits  15

Semester Two

<table>
<thead>
<tr>
<th>Semester Two</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEA 240</td>
<td>3</td>
</tr>
<tr>
<td>BIO 100 or CHE 100</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following (whichever not taken in previous semester):</td>
<td></td>
</tr>
<tr>
<td>ANT 102  Introduction to Anthropology: Cultural</td>
<td></td>
</tr>
<tr>
<td>PSY 100  Introduction to Psychology</td>
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</table>
**MINOR IN CONTEMPLATIVE STUDIES**

**College of Health Sciences**

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</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>
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</tbody>
</table>

**Required Contemplative Tradition Courses**

Select one of the following two options:

**Option 1: India**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEA 142</td>
<td>Yoga</td>
<td>3</td>
</tr>
<tr>
<td>PHI 204</td>
<td>Philosophies and Religions of India</td>
<td>3</td>
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</tbody>
</table>

**Option 2: Far East**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEA 144</td>
<td>T’ai Chi Ch’uan</td>
<td>3</td>
</tr>
<tr>
<td>PHI 205</td>
<td>Philosophies and Religions of the Far East</td>
<td>3</td>
</tr>
</tbody>
</table>

**Elective Courses**

Student must select two elective courses, offered as two-course modules:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEA 142</td>
<td>Yoga</td>
<td>3</td>
</tr>
<tr>
<td>PHI 204</td>
<td>Philosophies and Religions of India</td>
<td>3</td>
</tr>
</tbody>
</table>

Or choose the Far East (if not taken as the required option)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEA 144</td>
<td>T’ai Chi Ch’uan</td>
<td>3</td>
</tr>
<tr>
<td>PHI 205</td>
<td>Philosophies and Religions of the Far East</td>
<td>3</td>
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</table>

Or choose an overview of Therapeutic Interventions

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>HEA 333</td>
<td>Alternative and Complementary Medicine</td>
<td>3</td>
</tr>
<tr>
<td>PSY 200</td>
<td>Positive Psychology: The Science of Happiness and Well Being</td>
<td>3</td>
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</table>

**Total Credits** 18

---

1. A grade of C- or better is required in each course.

**MINOR IN ENVIRONMENTAL HEALTH**

**College of Health Sciences**

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</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>
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**Electives**

Select three of the following:

<table>
<thead>
<tr>
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</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

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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.
HEA 100  Dimensions of Wellness  3
Select 15 semester hours of other health courses under advisement. 9 semester hours must be at the 300 and 400 level  15

| Total Credits | 18 |

A grade of C– or better is required in each course.
DEPARTMENT OF HISTORY

College of Arts & Sciences
404 Wayne Hall
610-436-2201
Department of History (http://www.wcupa.edu/_academics/sch_cas.his)
Wayne Hanley (whanley@wcupa.edu), Chairperson
Cecilia Chien (chien@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. 285)
- B.A. in History - American Studies Concentration (p. 287)

Minor in History
- History (p. 288)

Other Programs in History
- Elective Social Studies Teacher Certification (p. 289)

Graduate Opportunities

See the graduate catalog for more information on the History program. (http://catalog.wcupa.edu/graduate/arts-sciences/history)

Policies

- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

Faculty

Professors
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
Karín 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
James A. Jones (ijones@wcupa.edu) (1992)
B.S., M.A., Ph.D., University of Delaware
Lisa A. Kirschenbaum (lkirschenb@wcupa.edu) (1996)
A.B., Brown University; M.A., Ph.D., University of California, Berkeley

Associate Professors
Cecilia Lee-Fang Chien (cchien@wcupa.edu) (2005)
Assistant Chairperson, History
B.A., Central Michigan University; M.A., Ph.D., Harvard University
Eric Fournier (efournier@wcupa.edu) (2008)
Graduate Coordinator, History
B.A., M.A., Universite de Montreal; Ph.D., University of California, Santa Barbara
Steven Gimber (sgimber@wcupa.edu) (2007)
Coordinator, American Studies Program
B.A., Rowan University; M.A., University of Pennsylvania; Ph.D., American University
Robert Kodosky (rkodosky@wcupa.edu) (2009)
B.S., University of Pennsylvania; M.A., Villanova University; Ph.D., Temple University
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
Latonya Thames-Taylor (ltaylor@wcupa.edu) (2001)
Coordinator, African American Studies Program
B.A., Tougaloo College; M.A., Ph.D., University of Mississippi

Assistant Professors
Martha Donkor (mdonkor@wcupa.edu) (2014)
B.A., University of Cape Coast; M.A., University of Guelph; Ph.D., University of Toronto
Brenda L. Gaydosh (bgaydosh@wcupa.edu) (2013)
B.S., Allentown College of St. Francis de Sales; M.A., West Chester University; Ph.D., American University
Anne Krulikowski (akrulikowski@wcupa.edu) (2013)
B.A., Immaculata University; M.A., Villanova University; Ph.D., University of Delaware
Tia Malkin-Fontecchio (tmalkinfon@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
Janneken Smucker (jsmucker@wcupa.edu) (2012)
B.A., Goshen College; M.A., Ph.D., University of Nebraska
Elizabeth D. Urban (eurban@wcupa.edu) (2014)
B.A., Rice University; M.A., Ph.D., University of Chicago

Instructor
James M. Scythes (jscythes@wcupa.edu) (2013)
A.S., Cumberland County College; B.A., Rowan University; M.A., Villanova University

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.
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.
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.
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.
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.
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.
Typically offered in Fall & Spring.

**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.
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.**
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.
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.**
A survey of African history since 1875, focusing on European colonialism, African resistance, and contemporary developments.
Typically offered in Spring.

**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.**
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.
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.
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.

**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.

**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.

**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 321. Everyday Life in Early Modern Europe. 3 Credits.**
An examination of the daily lives of Europeans of various social backgrounds from the 15th to 18th centuries. Topics will include dress, diet, recreation, labor, and medicine.

**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.

**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.
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.

**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 343. 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 344. 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.
Review of the 4,000 years and five civilizations that have welcomed the Jewish people. Emphasis on the Jews in contemporary society.

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. Economic History of the United States. 3 Credits.
The economic development of the American nation as it evolved from a frontier, agricultural country into an urban, industrial power.

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.

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.

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 with 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.

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.

HIS 371. Manhood in America. 3 Credits.
Examines American manhood from 1600-present. Focuses on intersections of class, race, and gender; relations between private and public spheres; changing men’s experiences over time.

HIS 373. African-American History. 3 Credits.

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.

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.

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 400 requires prerequisite of 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: Add consent. 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: Foreign Language Cult. 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: Foreign Language Cult. Cluster. Typically offered in Spring.

HIS 415. Science in History. 3 Credits.
This course offers an introduction to the historical evolution of modern science. Emphasis is placed on the life and achievements of noted scientists against the backdrop of their time and culture. Consideration is also given to the impact of developing science on the shaping of Western values. Typically offered in Fall & Spring.

HIS 416. Crime & Punishment In Europe: 1450-1789. 3 Credits.
Contact department for more information about this course.

HIS 417. Outcasts in Early Modern Europe. 3 Credits.
This course focuses on the lives of Jews, Gypsies, Gays, and Slaves in Europe during the 1450-1750 period.

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 liberalism 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 Cult. 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 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 425. Twentieth-Century Russia. 3 Credits.
Its rise and fall in light of traditional Russian patterns and the communist experiment. Typically offered in 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-World War II recovery. Major themes include the social cultural political, and economic aspects of modern and contemporary France. Gen Ed Attribute: Foreign Language Cult. Cluster.

HIS 428. History Of Spain. 3 Credits.
Contact department for more information about this course.

HIS 431. History of England Since 1688. 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: Foreign Language Cult. Cluster.

HIS 434. 19th Century Europe. 3 Credits.
This course will explore the major issues pertaining to developments in Europe in the "long 19th century", roughly from 1789 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.

HIS 440. American Jewish History. 3 Credits.
This course traces the history of the Jews in the United States from the earliest communities of the 17th century to the present. Topics will include Jews in the American colonies, Jewish immigration in the 19th century, anti-Semitism, Zionism, Jewish labor movements, the growth of Reform, Conservative, and Orthodox Judaism, and the impact of the Holocaust and Israel.

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.

HIS 450. Internship In History. 1-3 Credits.
Contact department for more information about this course. 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.

HIS 458. History Of The Cold War. 3 Credits.
Contact department for more information about this course.

HIS 460. Field Studies In History. 3 Credits.
A fully supervised learning experience designed to expose students to the culture, artifacts, and research facilities of a given country or area.

HIS 474. American Religions. 3 Credits.
The changes in American religion from the Pilgrims of New England to the cults of California. Typically offered in Fall.

HIS 480. Digital History. 3 Credits.
Introduction to digital tools and technologies for conducting and disseminating historical research, with an emphasis on putting digital approaches into practice through course blog and production of a class website.

SSC

SSC 199. Transfer Credit. 1-3 Credits.
Transfer Credit. Repeatable for Credit.

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.

B.A. IN HISTORY

College of Arts & Sciences

Curriculum

General Education Requirements [http://catalog.wcupa.edu/undergraduate/general-education-requirements]

<table>
<thead>
<tr>
<th>Academic Foundations requirements</th>
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<tbody>
<tr>
<td>English Composition (6 credits)</td>
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<td>Math (3 credits)</td>
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<td>Public Speaking (3 credits)</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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<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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</tbody>
</table>
Interdisciplinary requirement 3
Student Electives 9

Additional Baccalaureate Requirements
Writing Emphasis requirements 9

Language Requirement
Demonstrating language proficiency through the intermediate level (202). 0-12

Major Requirements

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<tr>
<th>Course Code</th>
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<tr>
<td>HIS 101</td>
<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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<tr>
<td>HIS 151</td>
<td>History of the United States I</td>
<td>3</td>
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<td>HIS 152</td>
<td>History of the United States II</td>
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<tr>
<td>HIS 300</td>
<td>Varieties of History</td>
<td>3</td>
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</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

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<tr>
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<td>Gender and Peace</td>
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<td>Colonial America</td>
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<tr>
<td>HIS 344</td>
<td>History of Pennsylvania</td>
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<tr>
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Total Credits 24

European History Primary Field of Study

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<tr>
<td>HIS 318</td>
<td>The Ancient World</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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<tr>
<td>HIS 321</td>
<td>Everyday Life in Early Modern Europe</td>
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<td>Austrian Civilization</td>
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<td>Imperial Russia</td>
<td>3</td>
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<tr>
<td>HIS 328</td>
<td>The French Revolution and Napoleon</td>
<td>3</td>
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<tr>
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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>Topics in European History</td>
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<td>HIS 424</td>
<td>World of Communism</td>
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<td>Twentieth-Century Russia</td>
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World/Regional History Primary Field of Study

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United States History Courses

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<td>HIS 360</td>
<td>Technology and American Life</td>
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<td>HIS 444</td>
<td>History of American Education</td>
<td>3</td>
</tr>
<tr>
<td>HIS 450</td>
<td>Internship In History</td>
<td>1-3</td>
</tr>
<tr>
<td>HIS 451</td>
<td>Women In History</td>
<td>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>
</tr>
<tr>
<td>HIS 474</td>
<td>American Religions</td>
<td>3</td>
</tr>
<tr>
<td>HIS 480</td>
<td>Digital History</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits 24

European History Courses

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>HIS 318</td>
<td>The Ancient World</td>
<td>3</td>
</tr>
<tr>
<td>HIS 319</td>
<td>Medieval Europe</td>
<td>3</td>
</tr>
<tr>
<td>HIS 320</td>
<td>Renaissance and Reformation</td>
<td>3</td>
</tr>
<tr>
<td>HIS 321</td>
<td>Everyday Life in Early Modern Europe</td>
<td>3</td>
</tr>
<tr>
<td>HIS 323</td>
<td>Austrian Civilization</td>
<td>3</td>
</tr>
<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>
</tr>
<tr>
<td>HIS 329</td>
<td>Gender and Peace</td>
<td>3</td>
</tr>
<tr>
<td>HIS 331</td>
<td>20TH Century Europe</td>
<td>3</td>
</tr>
<tr>
<td>HIS 332</td>
<td>The Holocaust</td>
<td>3</td>
</tr>
<tr>
<td>HIS 390</td>
<td>History on the Web</td>
<td>3</td>
</tr>
<tr>
<td>HIS 398</td>
<td>Topics in European History</td>
<td>3</td>
</tr>
<tr>
<td>HIS 410</td>
<td>Independent Study in History</td>
<td>3</td>
</tr>
<tr>
<td>HIS 415</td>
<td>Science in History</td>
<td>3</td>
</tr>
<tr>
<td>HIS 416</td>
<td>Crime &amp; Punishment In Europe: 1450-1789</td>
<td>3</td>
</tr>
<tr>
<td>HIS 417</td>
<td>Outcasts in Early Modern Europe</td>
<td>3</td>
</tr>
<tr>
<td>HIS 421</td>
<td>History Of England To 1688</td>
<td>3</td>
</tr>
<tr>
<td>HIS 422</td>
<td>History Of England Since 1688</td>
<td>3</td>
</tr>
<tr>
<td>HIS 423</td>
<td>Modern Germany</td>
<td>3</td>
</tr>
<tr>
<td>HIS 424</td>
<td>World of Communism</td>
<td>3</td>
</tr>
<tr>
<td>HIS 425</td>
<td>Twentieth-Century Russia</td>
<td>3</td>
</tr>
<tr>
<td>HIS 427</td>
<td>Modern France: 1789 To Present</td>
<td>3</td>
</tr>
<tr>
<td>HIS 428</td>
<td>History Of Spain</td>
<td>3</td>
</tr>
<tr>
<td>HIS 435</td>
<td>European Intellectual History Since 1800</td>
<td>3</td>
</tr>
<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>
</tbody>
</table>
His 460 Field Studies In History 3
His 480 Digital History 3

World/Regional Courses
His 302 Modern India 3
His 305 Modern China 3
His 306 Chinese Civilization 3
His 308 Introduction to the Islamic World 3
His 311 History of Africa to 1875 3
His 312 History of Africa Since 1875 3
His 314 Latin American Women's History 3
His 315 Colonial Latin America 3
His 316 Modern Latin America 3
His 317 History of Mexico 3
His 318 The Ancient World 3
His 349 The Jew in History 3
His 375 A History of the Arab-Israeli Conflict 3
His 380 History of U.S. Involvement in the Middle East 3
His 390 History on the Web 3
His 397 Topics in World History 3
His 407 History of Brazil 3
His 410 Independent Study in History 1-3
His 411 Middle East to 1700 3
His 412 Middle East Since 1600 3
His 415 Science in History 3
His 424 World of Communism 3
His 450 Internship in History 1-3
His 458 History of the Cold War 3
His 460 Field Studies In History 3
His 480 Digital History 3

Degree Progress
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; courses offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

Year One
Semester One
WRT 120 Effective Writing I 3
HIS 152 History of the United States II 3
Social Science General Education Course 3
Arts General Education Course 3
Language 101 3

Credits 15
Semester Two
WRT Course 3
HIS 101 History of Civilization I 3
HIS 151 History of the United States I 3
MAT 103 (or higher) Introduction to Mathematics 3
Language 102 3

Credits 15
Year Two
Semester Three
HIS 300 Varieties of History 3
HIS 102 History of Civilization II 3

Credits 15

B.A. IN HISTORY - AMERICAN STUDIES CONCENTRATION

College of Arts & Sciences

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

Academic Foundations requirements 12

English Composition (6 credits)
Math (3 credits)

Public Speaking (3 credits)

Science requirements 6
Behavioral & Social Science requirements 6
Humanities requirements 6
Arts requirement 3
Diverse Communities requirement 3
Interdisciplinary requirement 3
Student Electives 9

Additional Baccalaureate Requirements
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.

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. Free electives may also be used to complete a minor. 12-24
Note: Students with an American studies concentration are ineligible for a minor in American studies.

Total Minimum Credit Requirement 120

Degree Progress
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; courses offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

Year One
Semester One Credits
WRT 120 Effective Writing I 3
HIS 151 History of the United States I 3
Social Science General Education Course 3
Arts General Education Course 3
Language 101 3

Credits 15

Semester Two
WRT ___ 3
HIS 152 History of the United States II 3
AMS 200 American Civilization 3
MAT 103 (or higher) 3

Credits 15

Year Two
Semester Three Credits
LIT 200 American Literature I 3
HIS 101 History of Civilization I 3
Philosophy Course 3
Free Elective (optional minor) 3
Language 201 3

Semester Four Credits
HIS 102 History of Civilization II 3
SPK 208 (or other) Public Speaking 3
LIT 201 American Literature II 3
HIS 300 Varieties of History 3
Language 202 3

Credits 15

Year Three
Semester Five Credits
AMS 367 or HIS 367 American Material Culture 3
European History Elective 3
Science General Education Course 3
Social and Behavioral Science General Education Course 3
Diverse Communities Course 3

Semester Six Credits
US History/American Studies Elective 3
American Studies Cognate Course 3
World History Elective 3
Free Elective (optional minor) 3
Free Elective (optional minor) 3

Credits 15

Year Four
Semester Seven Credits
US History/American Studies Elective 3
American Studies Cognate Course 3
World History Elective 3
Free Elective (optional minor) 3
Free Elective (optional minor) 3

Credits 15

Semester Eight Credits
American Studies Cognate Course 3
Free Elective (optional minor) 3
Free Elective (optional minor) 3
Free Elective (optional minor) 3
Select one of the following: 3
AMS 400 Senior Thesis or Project 3
AMS 401 Independent Study 1-3
AMS 415 American Studies Internship 1-15

Credits 15

MINOR IN HISTORY
College of Arts & Sciences

Students may obtain minor recognition on their transcript so that their concentrated choice of free electives will be recognized.
Required Courses

HIS 101  History of Civilization I  3
HIS 102  History of Civilization II  3

Select one of the following:  3

HIS 150  The American Experience
HIS 151  History of the United States I
HIS 152  History of the United States II

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)  9

Total Credits  18

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 & Sciences**

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 semester hours, is accredited by the Pennsylvania Department of Education, the National Council for the Social Studies, and the National Council for Accreditation of Teacher Education.

**General Education Requirements** (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

Academic Foundations requirements  12

- English Composition (6 credits)
- Math (3 credits)
- Public Speaking (3 credits)

Science requirements  6

Behavioral & Social Science requirements  6

Humanities requirements  6

Arts requirement  3

Diverse Communities requirement  3

Interdisciplinary requirement  3

Student Electives  9

**Additional Baccalaureate Requirements**

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.

**Education Requirements**

- EDP 250  Educational Psychology  3
- EDA 103  Foundations of Special Education  3
- EDA 304  Special Ed Processes/Procedures for Secondary Educators  3
- EDR 347  Literacy Development and Secondary Students with Disabilities in Inclusive Classrooms  3
- EBM 349  Technology Tools to Transform Teaching and Learning  1
- EDP 355  Assessment For Learning 7-12  3
- LAN/ENG 382  Teaching English Language Learners PK-12  3
- EDS 306  Teaching Principles and Field Experience in Secondary Schools  3
- SSC 331  Methods of Teaching Secondary Social Studies  3
- EDS 411  Student Teaching Sec - 1st Half  6
- EDS 412  Student Teaching Sec - 2nd Half  6

**History Requirement**

See bachelor of arts - history  36

**Related/Cognate Requirements**

- HIS 444  History of American Education (required U.S. history course)  3

**Elective**

Selected under advisement  9

**Degree Progress**

**Model BA with Elective Certification in Social Studies Curriculum (up to 133 credits)**

**Year One**

<table>
<thead>
<tr>
<th>Semester One</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRT 120  (required for formal admission)  Effective Writing I</td>
<td>3</td>
</tr>
<tr>
<td>PSY 100  Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>HIS 152  History of the United States II</td>
<td>3</td>
</tr>
<tr>
<td>Language 101</td>
<td>3</td>
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</tbody>
</table>

**Credits**  15

<table>
<thead>
<tr>
<th>Semester Two</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRT ___</td>
<td>3</td>
</tr>
<tr>
<td>HIS 101  History of Civilization I</td>
<td>3</td>
</tr>
<tr>
<td>HIS 151  History of the United States I</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Minimum Credits Required**  132
**ELECTIVE SOCIAL STUDIES TEACHER CERTIFICATION**

**WEST CHESTER UNIVERSITY**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 103</td>
<td>Introduction to Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>(required for formal admission)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EDP 250</td>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Language 102</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Take PAPA Examination as soon as practical</td>
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</table>

**Credits**: 18

**Year Two**

**Semester Three**

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<tr>
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<th>Course Title</th>
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<tbody>
<tr>
<td>HIS 102</td>
<td>History of Civilization II</td>
<td>3</td>
</tr>
<tr>
<td>HIS 300 (W)</td>
<td>Varieties of History</td>
<td>3</td>
</tr>
<tr>
<td>MAT 104</td>
<td>Introduction to Applied Mathematics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>LIT/CLS (required for formal admission)</td>
<td>3</td>
</tr>
<tr>
<td>HIS 444</td>
<td>History of American Education</td>
<td>3</td>
</tr>
<tr>
<td>Language 201</td>
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**Credits**: 18

**Semester Four**

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>SPK 208 or 230</td>
<td>Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>ECO 111 or 112</td>
<td>Principles of Economics (Macro)</td>
<td>3</td>
</tr>
<tr>
<td>General Education Science</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EDA 103</td>
<td>Foundations of Special Education</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>Language 202</td>
<td></td>
<td>3</td>
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</tbody>
</table>

**Credits**: 18

**Apply for Formal Admission to Certification by end of Sophomore Year**

**Year Three**

**Semester Five**

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Education Science</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSC 100</td>
<td>U.S. Government and Politics</td>
<td>3</td>
</tr>
<tr>
<td>HIS 300/400 level</td>
<td></td>
<td></td>
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<tr>
<td>HIS 300/400 level</td>
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<td></td>
</tr>
<tr>
<td>EDP 355</td>
<td>Assessment For Learning 7-12</td>
<td>3</td>
</tr>
<tr>
<td>LAN 382 or ENG 382 (J)</td>
<td>Teaching English Language Learners PK-12</td>
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**Credits**: 18

**Semester Six**

<table>
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</thead>
<tbody>
<tr>
<td>ANT 102 or SOC 200</td>
<td>Introduction to Anthropology: Cultural</td>
<td>3</td>
</tr>
<tr>
<td>HIS 300/400 level</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HIS 300/400 level</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HIS 300/400 level</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EDA 304 (FATE required)</td>
<td>Special Ed Processes/Procedures for Secondary Educators</td>
<td>3</td>
</tr>
<tr>
<td>EDS 306 (W)(FATE required)</td>
<td>Teaching Principles and Field Experience in Secondary Schools</td>
<td>3</td>
</tr>
<tr>
<td>Take PRAXIS II (Comprehensive Social Studies)</td>
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**Credits**: 18

**Year Four**

**Semester Seven**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>General Education Philosophy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEO 101 or 103</td>
<td>World Geography</td>
<td>3</td>
</tr>
<tr>
<td>HIS 300/400 level</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HIS 400 (W)</td>
<td>Seminar in History</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>EDM 349 (FATE required)</td>
<td>Technology Tools to Transform Teaching and Learning</td>
<td>1</td>
</tr>
<tr>
<td>SSC 331 (W)(FATE required)</td>
<td>Methods of Teaching Secondary Social Studies</td>
<td>3</td>
</tr>
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</table>

**Credits**: 16

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>EDS 411 (FATE required)</td>
<td>Student Teaching Sec - 1st Half</td>
<td>6</td>
</tr>
<tr>
<td>EDS 412 (FATE required)</td>
<td>Student Teaching Sec - 2nd Half</td>
<td>6</td>
</tr>
</tbody>
</table>

**Credits**: 12

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2015-2016 UNDERGRADUATE CATALOG 290
HONORS COLLEGE

703 S. High Street
610-436-2996
610-436-2620 (fax)
Honors College (http://www.wcupa.edu/honors)
honors@wcupa.edu (e-mail)
Kevin W. Dean (kdean@wcupa.edu), Director
Matthew Pierfot (mpierfot@wcupa.edu), Assistant Director
Michelle Wills (mwills@wcupa.edu), Administrative Assistant

HONORS COUNCIL

John Helion, Executive Secretary, Kinesiology
Mark Hickman, President, Communication Studies
Victoria “Tori” Jackson, Alumni Representative, HC X
Michael Jendzurski, Alumni Representative, HC XI
Peter Locdel, Center for International Programs
Lisa Marano, Mathematics
Gerardina Martin, Learning Assistance and Resource Center
Denise Polk, Vice President, Communication Studies
Ruth Porritt, Philosophy
Harvey Rovine, Theatre and Dance
Steven Savage, Alumni Representative, HC VIII
Leigh Shafer, Sociology (Emeritus)
Sharonn Taylor, Student Representative, Accounting and Finance
Victoria Tischio, English
Donna Usher, Art (Honorary)
Christopher Whittall, Student Representative, Accounting and Finance

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. 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.

Program Design

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 life-long 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:

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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 3.0, the student will be dropped from the Honors College. If a student’s average is below 3.25 but not below 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 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 probationary action for extraordinary circumstances by contacting the College's director. Students may appeal the dismissal or reinstatement 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 30 hours of service in a minimum of seven semesters or who achieve a minimum of 250 documented hours qualify as Donna M. Carney Service Scholars.

### Programs

#### Honor's College Program

**General education Requirements** ([link](http://catalog.wcupa.edu/undergraduate/general-education-requirements))

<table>
<thead>
<tr>
<th>Academic Foundations requirement</th>
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<tbody>
<tr>
<td>English Composition</td>
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<tr>
<td>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.</td>
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<tr>
<th>MAT course</th>
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<tbody>
<tr>
<td>HON 211 Decision Making and Public Discourse</td>
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<tr>
<th>Public Speaking</th>
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<tbody>
<tr>
<td>HON 312 Educational Systems and Social Influence (Education Majors take HON 322)</td>
</tr>
<tr>
<td>or HON 322 Developing Leadership with ELLs in the Classroom &amp; Community</td>
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<tr>
<th>Diverse Communities requirement</th>
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<tbody>
<tr>
<td>HON 110 Civic Engagement and Theories of Leadership</td>
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<td>or HON 320 Honors Seminar: Global Issues</td>
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<td>or HON 351 Honors Seminar</td>
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<td>or HON 352 Honors Seminar</td>
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<td>or HON 381 Symposium in the Arts and Humanities</td>
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<td>or HON 382 Symposium in Social and Behavioral Science</td>
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<tr>
<td>or HON 451 Honors Seminar</td>
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<td>or HON 452 Honors Seminar</td>
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<tr>
<th>Science requirement</th>
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<tbody>
<tr>
<td>HON 314 Science, Technology and Environmental Systems (and one approved science distributive)</td>
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<tr>
<th>Behavioral and Social Science requirement</th>
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<tr>
<td>HON 312 Educational Systems and Social Influence</td>
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<tr>
<td>HON 313 American Government, Democracy and Public Opinion</td>
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<th>Humanities requirement</th>
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<tr>
<td>HON 212 Ethics and Moral Choice in Tech Age</td>
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<tr>
<td>HON 311 Stewardship and Civic Engagement</td>
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<tr>
<th>Arts requirement</th>
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<tr>
<td>HON 315 Community and the Arts</td>
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<tr>
<th>Language &amp; Culture Requirement</th>
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<tr>
<td>If your major includes a foreign language requirement, you must complete the requirements as outlined by your major.</td>
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#### 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 |
| or HON 451 Honors Seminar |
| or HON 452 Honors Seminar |
| 3 |

#### Courses

**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 310. Theories and Strategies of Community Change. 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 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.
LAB, LEC
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.

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: Add consent.
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. Seminars are designed to be cross-disciplinary and to have a writing emphasis.
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. Seminars are designed to be cross-disciplinary and to have a writing emphasis.
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 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. Seminars are designed to be cross-disciplinary and to have a writing emphasis.
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. Seminars are designed to be cross-disciplinary and to have a writing emphasis.
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.
DEPARTMENT OF KINESIOLOGY

College of Health Sciences
206 Sturzebecker Health Sciences Center
610-436-2260
Department of Kinesiology (http://www.wcupa.edu/_ACADEMICS/HealthSciences/kinesiology/default.asp)
Frank F. Fry, Jr (ffry@wcupa.edu), Chairperson
Frances E. Cleland (fcleland@wcupa.edu), Assistant Chairperson, Health and Physical Education - Teacher Certification
W. Craig Stevens (cstevens@wcupa.edu) Assistant Chairperson - Exercise Science Division
David Stearne (dstearne@wcupa.edu)- Graduate Coordinator, M.S. Exercise and Sport Physiology

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.
• 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 and fitness or to gain admission into various professional and graduate programs. 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 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).

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 gymnasiaums; one fully equipped gymnastics gym; dance studio; strength training facility; human performance laboratory; 17 classrooms; aquatics center featuring two pools and a 14.5-foot diving well. 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. 304)
• B.S. in Exercise Science (p. 300)
• B.S. in Exercise Science - Pre-Chiropractic Concentration (p. 301)
• B.S. in Exercise Science - Pre-Occupational Therapy Concentration (p. 302)
• B.S. in Exercise Science - Pre-Physical Therapy Concentration (p. 303)

Minors in Kinesiology

• Coaching (p. 306)
• Exercise Science (p. 306)
• Physical Education for Individuals with Disabilities (p. 306)
• Deaf Studies Minor (p. 305)

Graduate Opportunities

See the graduate catalog for more information on the Kinesiology program. (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)

Faculty

Professors

Eve Atkinson (catkinson@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
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
Frank F. Fry (ffry@wcupa.edu) (1993)
Chairperson, Kinesiology
B.S., West Chester University, M.Ed., Colorado State University; D.P.E., Springfield College
John G. Helion (jhelion@wcupa.edu) (1990)
Monica P. Lepore (mlepore@wcupa.edu) (1983)
B.S., College of Mount Saint Vincent; M.S., University of Wisconsin; Ed.D., New York University
Sheri A. Melton (smelton@wcupa.edu) (1998)
B.A., Loyola University; M.Ed., University of New Orleans; Ph.D., Louisiana State University
Margaret Ottley (mottley@wcupa.edu) (2001)
B.A., Spelman College; M.Ed., Ph.D., New York University
Karin A.e. Vollwein (kvollwein@wcupa.edu) (1992)
Staatsexamen, University of Marburg (Germany); Ph.D., University of Tennessee

Associate Professors

Matthew Cummiskey (mcummiskey@wcupa.edu) (2009)
B.S., Ithaca College; M.S., State University of New York at Cortland; Ph.D., Temple 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)
Assistant Chairperson, Kinesiology
B.A., Johns Hopkins University; M.S., Springfield College; Ph.D., Temple University

Assistant Professors

Stanley J. Cramer (scramer@wcupa.edu) (2000)
B.S., M.S., West Chester University; Ph.D., Temple University
Melissa A. Reed (mmreed@wcupa.edu) (2011)
B.S., East Stroudsburg University; M.A., Ph.D., East Carolina University
Jamie E. Robbins (jrobbins@wcupa.edu) (2013)
B.A., University of Michigan; M.A., University of North Carolina; Ph.D., Michigan State University
EXS 223. Kinetic Anatomy. 2 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 neuromuscular investigation to provide a comprehensive study of clinically applied structural anatomy.

Typically offered in Fall & Spring.

EXS 241. Body Systems. 3 Credits.

Introduces basic anatomical and physiological concepts critical to understanding human movement, exercise, physical education and how the human body functions. Students will be required to apply these anatomical and physiological principles to physical education, exercise and sport.

Typically offered in Fall & Spring.

EXS 262. Biomechanics. 3 Credits.

Students will develop a fundamental understanding of selected mechanical and anatomical laws of motion 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: EXS 262 requires prerequisite PHY 100 or PHY 130 and BIO 259. Co req: EXL 262.

Typically offered in Fall & Spring.

EXL 262. Biomechanics Lab. 1 Credit.

Students will develop a fundamental understanding of basic principles of biomechanics related to selected mechanical and anatomical laws of motion through hands on laboratory experiences and data collection. Analysis of force, motion, muscle activation, balance and stability and structural alignment will be applied to functional exercise and sport related activities.

Pre / Co requisites: EXL 262 requires prerequisites PHY 100 or PHY 130 and BIO 259. Co req: EXS 262.

Typically offered in Fall & Spring.

EXS 361. Kinesiology. 3 Credits.

Basic fundamentals of movement, articulation, and muscular actions; analysis of the related principles of mechanics.

Pre / Co requisites: EXS 361 requires prerequisite EXS 241.

Typically offered in Fall & Spring.

Cross listed with EXS 361, SMD 361.

EXS 364. Introduction to Exercise Physiology. 3 Credits.

Builds on the physiological concepts introduced in EXS 241. Students will be required to apply these physiological principles to physical education, exercise and sport.

Pre / Co requisites: EXS 364 requires prerequisite of EXS 241.

Typically offered in Fall & Spring.

EXS 370. Motor Learning. 3 Credits.

An introduction to human lifespan development within the motor domain. The content specifically addresses the American College of Sports Medicine (ACSM) competency and institutional requirements.

Pre / Co requisites: EXS 370 requires prerequisite of BIO 259.

Typically offered in Fall & Spring.

EXS 375. Introduction to Sport Exercise & Performance Psychology. 3 Credits.

This course will aid students’ familiarization with psychological concepts and their applications in an exercise and sport environment. Students will be introduced to theories and research in the field of sport and exercise psychology, and application of those principles to everyday life and performance in various fields. The course is designed to address psychological factors affecting an individual’s behaviors as they relate to sport performance, exercise, health and/or rehabilitation. In addition, the course will cover means to enhance performance in areas of sport, exercise, health and/or rehabilitation using psychological skills.

Pre / Co requisites: EXS 375 requires prerequisites of PSY 100.

Typically offered in Fall & Spring.

EXS 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: EXS 380 requires prerequisite BIO 269 and EXS 180; co-requisite of EXL 380.

Typically offered in Fall & Spring.

EXS 381. Fitness Assessment - Exercise Prescription. 4 Credits.

Designed to prepare students to assess the physical fitness levels of healthy but sedentary adults and prescribe individualized exercise programs.

Pre / Co requisites: EXS 375, EXS 380, EXL 380 and current CPR certification.

Typically offered in Fall & Spring.
EXS 482. Exercise Techniques and Physical Condition. 4 Credits.
Analysis of various exercise techniques, and devices and systems emphasizing their use and safety. Clinical experience in strength and range of motion (ROM) testing and prescription.
Pre / Co requisites: EXS 482 requires prerequisite of EXS 262, EXS 380 and EXL 380.
Typically offered in Fall & Spring.

EXS 484. Organization and Management of Adult Fitness Progs Clin/Sem. 3 Credits.
Designed to provide students with practical experience in organizing and managing physical fitness programs for adults.
Pre / Co requisites: EXS 484 requires prerequisite of EXS 380 and EXL 380 or instructor permission.
Typically offered in Fall & Spring.

EXS 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: EXS 486 requires prerequisite of EXS 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), baropulmonary physiology (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 499. Clinical Exercise Testing and Prescription. 4 Credits.
Designed to prepare the prospective fitness instructor in exercise testing protocols as well as how to record, label, and calculate data with stress-testing exercise equipment and a standard, 12-lead electrocardiogram.
Pre / Co requisites: EXS 498 requires prerequisite of EXS 381.
Typically offered in Fall & Spring.

EXS 490. Internship I. 3 Credits.
A capstone experience meant to tie together previous course work into a "hands-on" application in a job setting. A minimum of 160 hours of actual work site experience may be in any vocational avenue available including cardiac rehabilitation, strength and conditioning coaching, commercial fitness, corporate fitness, and personal training. Specific concentrations require supervision by a licensed professional (e.g., Chiropractor, Physical Therapist, Occupational Therapist).
Pre / Co requisites: EXS490 Prerequisite - EXS381, EXS482, EXS484.
Consent: Add consent.
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: Add consent.
Typically offered in Fall & Spring.
Repeatable for Credit.

EXS 498. 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.

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. Contemporary Activities. 2 Credits.
Provides students with insight through practical experiences in a variety of "alternative" physical education activities to gain an expanded awareness of the K-12 physical education curriculum.
Typically offered in Spring.

KIN 103. Historical and Philosophical Foundations PE. 3 Credits.
Helps students understand the past, present and future concerns and concepts of physical education and sport as professional fields in relationship to society. Historical, philosophical and sociological approaches will be used to critically examine the roles of physical education and sport as they have evolved through the years and gain insight into what lies ahead.
Examine the varied disciplines within the field of kinesiology and how they are interrelated so students will understand what is necessary to become a health and physical education teacher. Practical experiences will provide students with information and insights into "real world" physical education.
Typically offered in Fall.

KIN 104. Fitness and Wellness. 2 Credits.
Prepares preservice teachers to address health and skill related components of fitness as well as the dimensions of wellness. Preservice teachers will assess and monitor their personal fitness development, as well as participate in, design, implement and assess a variety of activities that focus on one or more components of fitness and wellness.
Typically offered in Fall.

KIN 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.
Typically offered in Fall & Spring.
Cross listed with SPP 110, KIN 110.

KIN 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: KIN 111 requires prerequisite KIN/SPP 110.
Typically offered in Fall & Spring.
Cross listed with SPP 111, KIN 111.

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 Learning. 3 Credits.
An introduction to human motor development and motor learning. Principles and concepts related to these areas will be examined as they relate to human motor performance and the development of motor skills across the lifespan. Motor development topics including growth, maturation, fitness development, self concept development, gender and age will be explored from a dynamical systems theoretical framework. Motor learning topics include information processing, schema theory, transfer of learning, reaction time and levels of movement skill learning. The interrelationships among the topics will be addressed.
Typically offered in Fall.
KIN 201. Educational Dance and Gymnastics. 2 Credits.
Provides students with the appropriate methods, materials and skills needed for demonstrating, teaching, and analyzing K-12 dance, expressive movement and educational gymnastics. Will include skill assessments, peer teaching and lesson plan development. Pre / Co requisites: KIN 201 requires prerequisite of KIN 104. Typically offered in Fall.

KIN 202. Invasion Games. 2 Credits.
Invasion, a concept common to team sports, will be used to develop a generic teaching approach. Individual, skill-related aspects of specific sports, such as basketball, soccer, lacrosse and hockey, will be introduced. Students will be exposed to specific teaching games for understanding approach that they subsequently will teach. Pre / Co requisites: KIN 202 requires prerequisite of KIN 104. Typically offered in Fall.

KIN 203. Net-Wall Games. 2 Credits.
Provides future physical education educators with the knowledge and skills necessary to instruct, demonstrate and assess lifetime fitness activities that fall within the net/wall games classification system. Students will be introduced to teaching methodologies, skill production and progressions, class management techniques, and assessment strategies. Addresses the net/wall games of tennis, badminton, pickleball, and volleyball. Pre / Co requisites: KIN 203 requires prerequisite of KIN 104. Typically offered in Spring.

KIN 205. Curriculum and Instruction: Inclusion in Health & Physical Education. 3 Credits.
A course of adapted physical education. Common childhood disabilities are studied with emphasis on problems of a chronic nature. Modification and adaptation of activity, plus assessment and planning. Pre / Co requisites: KIN 205 requires prerequisite of KIN 186 or instructor permission. KIN 206 must be taken concurrently. 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 prerequisite KIN 186 and all clearances. COREQ: KIN 205. Typically offered in Spring.

KIN 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 KIN/SPP 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 as an integral part of the course. Pre / Co requisites: KIN 210 requires prerequisite KIN/SPP 111. Typically offered in Fall. Cross listed with KIN 210, SPP 210.

KIN 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: KIN 211 requires prerequisite of KIN or SPP 210. Typically offered in Spring. Cross listed with SPP 211, KIN 211.
KIN 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.

KIN 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, legislature 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: KIN 357 requires prerequisite: KIN or SPP 110.
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. 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.

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 102, 104, 201, 202, 203, 300, 302, 140 or 275; field clearances; FATE (formal admission to teacher education required).
Typically offered in Fall.

KIN 410. Linguistics of ASL. 3 Credits.
The linguistic structure of sign languages. How sign languages around the world differ, and what properties they share. Accents and dialects in sign languages. How sign languages are similar and different from spoken languages. How and why sign languages have emerged.

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: Add consent.

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.
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.
Typically offered in Spring.

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.
Repeatable for Credit.

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.
PEARSON 143. Yoga II. 3 Credits.
The primary goals of Tai Chi Ch'uan, 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. Tai 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 Tai Chi as a Meditative Art will be included in the course. Typically offered in Fall & Spring. Repeatable for Credit.

PEARSON 144. Tai Chi Ch'uan. 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.

PEARSON 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. Typically offered in Fall & Spring. Repeatable for Credit.

PEARSON 242. Yoga III. 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 developed to assist students in strengthening musculature, in spinal alignment and in gaining effective breathing. Typically offered in Fall & Spring. Repeatable for Credit.

PEARSON 244. Tai Chi Ch'uan II. 3 Credits.
The goal of this course is to provide students with an advanced knowledge and skill sets required to practice the art of Tai 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. Tai 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. Repeatable for Credit.

B.S. IN EXERCISE SCIENCE

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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<td>Math (3 credits)</td>
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<tr>
<td>Public Speaking (3 credits)</td>
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<td>Science requirements</td>
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<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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Additional Baccalaureate Requirements

<table>
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<th>Requirement</th>
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<tr>
<td>Writing Emphasis requirements</td>
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Related/Cognate Requirements

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<td>PHY 100 or PHY 130 Elements of Physical Science</td>
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<td>or PHY 130 General Physics I</td>
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<tr>
<td>BIO 259 Human Anatomy and Physiology I</td>
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<td>BIO 269 Human Anatomy and Physiology II</td>
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</tr>
<tr>
<td>NTD 303 Introductory Principles Human Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>SM 271 First Aid and Athletic Training</td>
<td>2</td>
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<tr>
<td>CHE 107 General Chemistry for Allied Health Sciences</td>
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<tr>
<td>or CHE 103 General Chemistry I</td>
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<tr>
<td>CRL 107 General Chemistry Lab for Allied Health Services</td>
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<tr>
<td>or CRL 103 Experimental General Chemistry I (LAB)</td>
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Major Requirements

Students must obtain a C- or better in these core courses.

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EKS 101 Group Exercise Leadership</td>
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<tr>
<td>EKS 102 Fundamentals of Resistance Training Techniques</td>
<td>2</td>
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<tr>
<td>EKS 180 Lifetime Fitness Concepts</td>
<td>3</td>
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<tr>
<td>EKS 223 Kinetic Anatomy</td>
<td>2</td>
</tr>
<tr>
<td>EKS 262 Biomechanics</td>
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</tr>
<tr>
<td>EKS 370 Motor Learning</td>
<td>3</td>
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<tr>
<td>EKS 375 Introduction to Sport Exercise &amp; Performance Psychology</td>
<td>3</td>
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<tr>
<td>EKS 380 Exercise Physiology</td>
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<td>EKS 380 Exercise Physiology Lab</td>
<td>3</td>
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<tr>
<td>EKS 481 Fitness Assessment - Exercise Prescription</td>
<td>4</td>
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<tr>
<td>EKS 482 Exercise Techniques and Physical Condition</td>
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<tr>
<td>EKS 484 Organization and Management of Adult Fitness Programs Clin/Sem</td>
<td>3</td>
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<td>EKS 486 Exercise Prescription - Special Population</td>
<td>3</td>
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<td>EKS 489 Clinical Exercise Testing and Prescription</td>
<td>4</td>
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<tr>
<td>EKS 490 Internship I</td>
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</table>

Electives

Electives to be approved by academic adviser in all areas of concentration

Total Minimum Credits Required

120

Degree Progress

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; courses offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

Year One

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<tr>
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<tr>
<td>BIO 259 Human Anatomy and Physiology I</td>
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<td>BIO 121 Statistics</td>
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<td>PHY 100 or 130 Elements of Physical Science</td>
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Year Two

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</table>
B.S. IN EXERCISE SCIENCE - PRE-CHIROPRACTIC CONCENTRATION

College of Health Sciences

Curriculum

The concentration is designed to prepare students for entrance into a school of chiropractic and to earn a doctor of chiropractic (D.C.) degree. To be accepted into a school of chiropractic, students must meet specific educational standards and requirements. This concentration is a rigorous, science-based curriculum intended to meet these specific requirements. The pre-chiropractic concentration requires students to complete 120 semester hours, as outlined below.

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

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<tr>
<th>Academic Foundations requirements</th>
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<th>Major Requirements</th>
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<tr>
<td>EKS 101 Group Exercise Leadership</td>
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<tbody>
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Year Two

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<tr>
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<td>CHE 103 or CRL 103 and CRL 104 General Chemistry I</td>
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<td>NTD 303 Introductory Principles Human Nutrition</td>
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EXS 262 Biomechanics 4
EXS 370 Motor Learning 3
EXS 380 Exercise Physiology 4
EXL 380 Exercise Physiology Lab 1
EXS 222 Introduction to Medical Terminology and Drug Classifications 2
Electives 6

**Credits** 29

### Year Three

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<td>General Physics II</td>
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<td>EXS 375</td>
<td>Introduction to Sport Exercise Performance Psychology</td>
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<td>EXS 381</td>
<td>Fitness Assessment - Exercise Prescription</td>
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<td>EXS 482</td>
<td>Exercise Techniques and Physical Condition</td>
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**Credits** 28

### Year Four

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<td>Introduction to Medical Terminology and Drug Classifications</td>
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<td>NTD 303</td>
<td>Introductory Principles Human Nutrition</td>
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<td>Elements of Physical Science</td>
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<td>PSY 210</td>
<td>Developmental Psychology: Lifespan</td>
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</table>

**Credits** 30

Students should preview potential graduate school websites. Graduate programs will list required undergraduate pre-requisite courses. If the above list of courses does not include required pre-requisites, 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; and
5. guidance to family members and caregivers.

**General Education Requirements**

- English Composition (6 credits)
- Math (3 credits)

**Credits** 12

**B.S. IN EXERCISE SCIENCE - PRE-OCCUPATIONAL THERAPY CONCENTRATION**

**Degree Progress**

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; courses offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

### Year One

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>BIO 259</td>
<td>Human Anatomy and Physiology I</td>
<td>4</td>
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<tr>
<td>MAT 121</td>
<td>Statistics</td>
<td>3</td>
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<tr>
<td>PHY 100 or 130</td>
<td>Elements of Physical Science</td>
<td>3</td>
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<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>
</tbody>
</table>

**Credits** 12
EXS 180  Lifetime Fitness Concepts  3  
EXS 223  Kinetic Anatomy  2  
Electives  8  

**Credits**  30

**Year Two**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>BIO 269  Human Anatomy and Physiology II</td>
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</tr>
<tr>
<td>NTD 303  Introductory Principles Human Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>EXS 262 &amp; EXL 262  Biomechanics</td>
<td>4</td>
</tr>
<tr>
<td>EXS 370  Motor Learning</td>
<td>3</td>
</tr>
<tr>
<td>EXS 380 &amp; EXL 380  Exercise Physiology</td>
<td>4</td>
</tr>
<tr>
<td>EXS 222  Introduction to Medical Terminology and Drug Classifications</td>
<td>2</td>
</tr>
</tbody>
</table>

Select one of the following:  4-5

- CHE 107  General Chemistry for Allied Health Sciences  
- CHE 107 or CRL 107  
- CRL 103 or 104  Experimental General Chemistry I (LAB)

Electives  5

**Credits**  29-30

**Year Three**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>PSY 210  Developmental Psychology: Lifespan</td>
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</tr>
<tr>
<td>EXS 375  Introduction to Sport Exercise Performance Psychology</td>
<td>3</td>
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<tr>
<td>EXS 381  Fitness Assessment - Exercise Prescription</td>
<td>4</td>
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<tr>
<td>EXS 482  Exercise Techniques and Physical Condition</td>
<td>4</td>
</tr>
<tr>
<td>EXS 484  Organization and Management of Adult Fitness Programs Clin/Sem</td>
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Electives  13

**Credits**  30

**Year Four**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>PSY 375  Abnormal Psychology</td>
<td>3</td>
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<tr>
<td>EXS 486  Exercise Prescription - Special Population</td>
<td>3</td>
</tr>
<tr>
<td>EXS 499  Clinical Exercise Testing and Prescription</td>
<td>4</td>
</tr>
<tr>
<td>EXS 490  Internship I</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives  17

**Credits**  30

Students should preview potential graduate school websites. Graduate programs will list required undergraduate pre-requisite courses. If the above list of courses does not include required pre-requisites, then those courses may be taken at WCU as electives in the program.

**B.S. IN EXERCISE SCIENCE - PRE-PHYSICAL THERAPY CONCENTRATION**

*College of Health Sciences*

**Curriculum**

The Pre-Physical Therapy concentration in Exercise Science is designed to prepare students for entrance into a school of physical therapy. Physical therapy programs accept a limited number of students and are highly competitive. Students are encouraged to maintain a GPA of 3.0 or better in this concentration.

**General Education Requirements** [http://catalog.wcupa.edu/undergraduate/general-education-requirements](http://catalog.wcupa.edu/undergraduate/general-education-requirements)

**Academic Foundations requirements**  12

- English Composition (6 credits)  
- Math (3 credits)

**Public Speaking (3 credits)**

**Science requirements**  6

- Behavioral & Social Science requirements  6

- Humanities requirements  6

- Arts requirement  3

- Diverse Communities requirement  3

- Interdisciplinary requirement  3

- Student Electives  9

**Additional Baccalaureate Requirements**

**Writing Emphasis requirements**  9

**Major Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXS 101  Group Exercise Leadership</td>
<td>2</td>
</tr>
<tr>
<td>EXS 102  Fundamentals of Resistance Training Techniques</td>
<td>2</td>
</tr>
<tr>
<td>EXS 180  Lifetime Fitness Concepts</td>
<td>3</td>
</tr>
<tr>
<td>EXS 223  Kinetic Anatomy</td>
<td>2</td>
</tr>
<tr>
<td>EXS 262 &amp; EXL 262  Biomechanics</td>
<td>3</td>
</tr>
<tr>
<td>EXL 262  Biomechanics Lab</td>
<td>1</td>
</tr>
<tr>
<td>EXS 370  Motor Learning</td>
<td>3</td>
</tr>
<tr>
<td>EXS 375  Introduction to Sport Exercise &amp; Performance Psychology</td>
<td>3</td>
</tr>
<tr>
<td>EXS 380  Exercise Physiology</td>
<td>3</td>
</tr>
<tr>
<td>EXL 380  Exercise Physiology Lab</td>
<td>1</td>
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<td>EXS 381  Fitness Assessment - Exercise Prescription</td>
<td>4</td>
</tr>
<tr>
<td>EXS 482  Exercise Techniques and Physical Condition</td>
<td>4</td>
</tr>
<tr>
<td>EXS 484  Organization and Management of Adult Fitness Programs Clin/Sem</td>
<td>3</td>
</tr>
<tr>
<td>EXS 486  Exercise Prescription - Special Population</td>
<td>3</td>
</tr>
<tr>
<td>EXS 489  Clinical Exercise Testing and Prescription</td>
<td>4</td>
</tr>
<tr>
<td>EXS 490  Internship I (internship under the direction of a licensed OT)</td>
<td>3</td>
</tr>
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</table>

**Related/Cognate Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BIO 110  General Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIO 259  Human Anatomy and Physiology I</td>
<td>4</td>
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<tr>
<td>BIO 269  Human Anatomy and Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>CHE 103  General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CRL 103  Experimental General Chemistry I (LAB)</td>
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<tr>
<td>CHE 104  General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CRL 104  Experimental General Chemistry II (LAB)</td>
<td>1</td>
</tr>
<tr>
<td>EXS 222  Introduction to Medical Terminology and Drug Classifications</td>
<td>2</td>
</tr>
<tr>
<td>NTD 303  Introductory Principles Human Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>PHY 130  General Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHY 140  General Physics II</td>
<td>4</td>
</tr>
</tbody>
</table>

Note: Some courses also may count toward general education courses so semester hours can vary.

**Electives**

Select 3 semester hours  3

**Total Minimum Credits Required**  120

**Degree Progress**

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; courses offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.
B.S. IN HEALTH AND PHYSICAL EDUCATION - TEACHER CERTIFICATION

College of Health Sciences

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)
Academic Foundations requirements 12

English Composition (6 credits)
Math (3 credits)
Public Speaking (3 credits)
Science requirements 6
Behavioral & Social Science requirements 6
Humanities requirements 6
Arts requirement 3
Diverse Communities requirement 3
Interdisciplinary requirement 3
Student Electives 9

Additional Baccalaureate Requirements
Writing Emphasis requirements 9

Students should preview potential graduate school websites. Graduate programs will list required undergraduate pre-requisite courses. If the above list of courses does not include required pre-requisites, then those courses may be taken at WCU as electives in the program.

B.S. IN HEALTH AND PHYSICAL EDUCATION - TEACHER CERTIFICATION

Year One

<table>
<thead>
<tr>
<th>Credits</th>
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<tbody>
<tr>
<td>BIO 110 General Biology 3</td>
</tr>
<tr>
<td>BIO 259 Human Anatomy and Physiology I 4</td>
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<tr>
<td>MAT 121 Statistics 3</td>
</tr>
<tr>
<td>PHY 130 General Physics I 4</td>
</tr>
<tr>
<td>EXS 101 Group Exercise Leadership 2</td>
</tr>
<tr>
<td>EXS 102 Fundamentals of Resistance Training Techniques 2</td>
</tr>
<tr>
<td>EXS 180 Lifetime Fitness Concepts 3</td>
</tr>
<tr>
<td>EXS 223 Kinetic Anatomy 2</td>
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<td>Electives 7</td>
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Year Two

<table>
<thead>
<tr>
<th>Credits</th>
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<tbody>
<tr>
<td>BIO 269 Human Anatomy and Physiology II 4</td>
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<tr>
<td>PHY 140 General Physics II 4</td>
</tr>
<tr>
<td>NTD 303 Introductory Principles Human Nutrition 3</td>
</tr>
<tr>
<td>EXS 262 Biomechanics 4</td>
</tr>
<tr>
<td>&amp; EXL 262</td>
</tr>
<tr>
<td>EXS 370 Motor Learning 3</td>
</tr>
<tr>
<td>EXS 380 Exercise Physiology 4</td>
</tr>
<tr>
<td>&amp; EXL 380</td>
</tr>
<tr>
<td>EXS 222 Introduction to Medical Terminology and Drug Classifications 2</td>
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<tr>
<td>Electives 6</td>
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</table>

Year Three

<table>
<thead>
<tr>
<th>Credits</th>
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<tbody>
<tr>
<td>CHE 103 General Chemistry I 4</td>
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<tr>
<td>&amp; CRL 103</td>
</tr>
<tr>
<td>EXS 375 Introduction to Sport Exercise Performance Psychology 3</td>
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<tr>
<td>EXS 381 Fitness Assessment - Exercise Prescription 4</td>
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<tr>
<td>EXS 482 Exercise Techniques and Physical Condition 4</td>
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<tr>
<td>EXS 484 Organization and Management of Adult Fitness Pros Clin/Sem 3</td>
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Year Four

<table>
<thead>
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<tbody>
<tr>
<td>CHE 104 General Chemistry II 4</td>
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<tr>
<td>&amp; CRL 104</td>
</tr>
<tr>
<td>EXS 486 Exercise Prescription - Special Population 3</td>
</tr>
<tr>
<td>EXS 489 Clinical Exercise Testing and Prescription 4</td>
</tr>
<tr>
<td>EXS 490 Internship I 3</td>
</tr>
<tr>
<td>Electives 16</td>
</tr>
</tbody>
</table>

Total Minimum Credits Required 120
Completion of Pre-Professional Experiences (PPE’s), passing score on Praxis II, and a cumulative GPA of 3.0.

1 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. 239) 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).

Degree Progress

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The following is a suggested course sequence for this program; courses 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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<tbody>
<tr>
<td>KIN 103</td>
<td>3</td>
</tr>
<tr>
<td>KIN 104 (formerly KIN 301)</td>
<td>2</td>
</tr>
<tr>
<td>KIN 186</td>
<td>3</td>
</tr>
<tr>
<td>WRT 120</td>
<td>3</td>
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<tr>
<td>Gen Ed Course</td>
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<tr>
<td><strong>Credits</strong></td>
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#### Semester Two

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>KIN 254</td>
<td>3</td>
</tr>
<tr>
<td>KIN 140 or 275</td>
<td>2</td>
</tr>
<tr>
<td>WRT 200</td>
<td>3</td>
</tr>
<tr>
<td>Math 1</td>
<td>3</td>
</tr>
<tr>
<td>SPK 208</td>
<td>3</td>
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<td>Gen Ed Course</td>
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### Year Two

#### Semester Three

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>KIN 201</td>
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<tr>
<td>EXS 241</td>
<td>3</td>
</tr>
<tr>
<td>HEA 230</td>
<td>3</td>
</tr>
<tr>
<td>LIT 165 or CLS 165 Topics in Literature</td>
<td>3</td>
</tr>
<tr>
<td>Math 2</td>
<td>3</td>
</tr>
<tr>
<td>Gen Ed Course</td>
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#### Semester Four

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<td>KIN 205</td>
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<tr>
<td>KIN 206</td>
<td>3</td>
</tr>
<tr>
<td>KIN 203 (formerly KIN 303)</td>
<td>2</td>
</tr>
<tr>
<td>KIN 401</td>
<td>2</td>
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<td>NTD 300</td>
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<td>EDP 250</td>
<td>3</td>
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<td>Gen Ed Course</td>
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### Year Three

#### Semester Five

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>KIN 300</td>
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<td>KIN 202 (formerly KIN 303)</td>
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<tr>
<td>EKS 361</td>
<td>3</td>
</tr>
<tr>
<td>HEA 304</td>
<td>3</td>
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<tr>
<td>EDF 300</td>
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<td>Gen Ed</td>
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#### Semester Six

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>KIN 102</td>
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<td>KIN 302</td>
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<td>KIN 347</td>
<td>3</td>
</tr>
<tr>
<td>HEA 306</td>
<td>3</td>
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<td>ENG 382</td>
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### Year Four

#### Semester Seven

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<tbody>
<tr>
<td>KIN 402</td>
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<tr>
<td>KIN 440</td>
<td>3</td>
</tr>
<tr>
<td>EKS 364</td>
<td>3</td>
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<tr>
<td>KIN ____</td>
<td>Elective</td>
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<tr>
<td>Gen Ed Course</td>
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#### Semester Eight

<table>
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<tr>
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<tbody>
<tr>
<td>KIN 489</td>
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<td>KIN 490</td>
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<td>Elective</td>
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<td><strong>Credits</strong></td>
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</table>

1 Student Electives: KIN 475, KIN 452, KIN 253/KIN 360, KIN 101.

### MINOR IN DEAF STUDIES

#### College of Health Sciences

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 more greatly understand the population in which they provide services (Diversity track), the culture in which the Deaf individual is a member (Culture track), and develop proficiency in the cultural language of American Sign Language (Language track). The Deaf Studies minor is open to any WCU student with an interest in the area.

#### Core Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>KIN/SPP 110</td>
<td>American Sign Language I</td>
</tr>
<tr>
<td>KIN/SPP 111</td>
<td>American Sign Language II</td>
</tr>
</tbody>
</table>

#### Choose one of the following track:

##### Culture Track

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>KIN/SPP 210</td>
<td>Intermediate American Sign Language I</td>
</tr>
<tr>
<td>KIN/SPP 211</td>
<td>Intermediate American Sign Language II</td>
</tr>
<tr>
<td>KIN 255</td>
<td>Introduction to Deaf Studies</td>
</tr>
<tr>
<td>KIN 357</td>
<td>Deaf Culture Perspectives</td>
</tr>
</tbody>
</table>
MINOR IN COACHING

College 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**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>SMD 271</td>
<td>First Aid and Athletic Training</td>
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</table>

**Group II**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>KIN 452</td>
<td>Principles Of Coaching</td>
<td>3</td>
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</tbody>
</table>

**Group III**

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXS 262</td>
<td>Biomechanics</td>
<td>3</td>
</tr>
<tr>
<td>EXS 361</td>
<td>Kinesiology</td>
<td>3</td>
</tr>
<tr>
<td>EXS 585</td>
<td>Biomechanics</td>
<td>3</td>
</tr>
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</table>

**Group IV**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>EXS 364</td>
<td>Introduction to Exercise Physiology</td>
<td>3</td>
</tr>
<tr>
<td>or EXS 380</td>
<td>Exercise Physiology</td>
<td>3</td>
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**Group V**

<table>
<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>EXS 482</td>
<td>Exercise Techniques and Physical Condition</td>
<td>4</td>
</tr>
<tr>
<td>or SMD 454</td>
<td>Theories/Practices of Conditioning &amp; Tng</td>
<td></td>
</tr>
</tbody>
</table>

**Group VI**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>KIN 475</td>
<td>Mental Training In Sport</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits: 18

MINOR IN EXERCISE SCIENCE

College 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. Students who wish to minor in exercise science must complete and submit a minor selection application to the Office of the Registrar. To enroll in this minor, students also must have permission from their major department and from the Department of Kinesiology.

Students should make course selections in consultation with the minor program adviser. A minimum grade of C- is required in each of the minor courses taken before clearance for graduation with a minor will be granted.

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXS 262</td>
<td>Biomechanics</td>
<td>3</td>
</tr>
<tr>
<td>EXS 370</td>
<td>Motor Learning</td>
<td>3</td>
</tr>
<tr>
<td>EXS 380</td>
<td>Exercise Physiology</td>
<td>3</td>
</tr>
<tr>
<td>EXL 380</td>
<td>Exercise Physiology Lab</td>
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</tr>
</tbody>
</table>

**Electives**

Select two of the following: 6-7

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EXS 180</td>
<td>Lifetime Fitness Concepts</td>
<td></td>
</tr>
<tr>
<td>EXS 375</td>
<td>Introduction to Sport Exercise &amp; Performance Psychology</td>
<td></td>
</tr>
<tr>
<td>EXS 482</td>
<td>Exercise Techniques and Physical Condition</td>
<td></td>
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<tr>
<td>EXS 486</td>
<td>Exercise Prescription - Special Population</td>
<td></td>
</tr>
<tr>
<td>EXS 489</td>
<td>Clinical Exercise Testing and Prescription</td>
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</tr>
</tbody>
</table>

Total Credits: 16-17

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</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>HEA 206</td>
<td>Human Development</td>
<td>3</td>
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<tr>
<td>or KIN 186</td>
<td>Motor Development and Learning</td>
<td></td>
</tr>
<tr>
<td>or EXS 370</td>
<td>Motor Learning</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits: 24
DEPARTMENT OF LANGUAGES AND CULTURES

College of Arts & Sciences
224 Mitchell Hall
610-436-2700
Department of Languages and Cultures (http://www.wcupa.edu/_academics/sch_cas.flg)
Jerome M. Williams (jwilliams2@wcupa.edu), Chairperson
Anne-Marie Moscatelli (amoscatelli@wcupa.edu), Assistant Chairperson
Israel Sanz-Sanchez (isanz-sanchez@wcupa.edu), Assistant Chairperson

Effective Fall 2014, 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, Latin, Russian, and/or Spanish. (Effective Fall 2010, no new students will be admitted into the Latin major.)

- Bachelor of Arts in Languages and Cultures (B.A.L.C.), 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: French, German, Italian, Latin, Russian, Spanish, Latin American and Latino Studies, and Linguistics.

The Study Abroad Program

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.

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. 318)
- B.A. in Languages and Cultures - German Concentration (p. 319)
- B.A. in Languages and Cultures - Russian Concentration (p. 320)
- B.A. in Languages and Cultures - Spanish Concentration (p. 322)
- B.A. in Languages and Cultures with Elective Certification - French Concentration (p. 323)

- B.A. in Languages and Cultures with Elective Certification - German Concentration (p. 324)
- B.A. in Languages and Cultures with Elective Certification - Russian Concentration (p. 325)
- B.A. in Languages and Cultures with Elective Certification - Spanish Concentration (p. 326)

Minors in Languages and Cultures
- French (p. 327)
- German (p. 328)
- Italian (p. 328)
- Latin (http://catalog.wcupa.edu/undergraduate/arts-sciences/languages-cultures/latin-minor)
- Russian (p. 328)
- Spanish (p. 328)
- Latin American and Latino Studies (p. 329)
- Linguistics (p. 328)

Graduate Opportunities

See the graduate catalog for more information on the Languages and Cultures program. (http://catalog.wcupa.edu/graduate/arts-sciences/languages-cultures)

Policies

- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

Language Testing and Placement

The Department of Languages and Cultures provides online and onsite placement testing for students entering the University. Based on the results of the tests given and an analysis of past experience, the department will suggest the level of language a student should enter. The placement test does not confer academic credit; it is taken for the express purpose of indicating the level at which a student should begin his or her study in the language. Students do not receive University credit for any language course they place out of on the placement test. Credit may be obtained by taking the CLEP tests or credit by exam for two such courses before enrolling in a higher level course. Minors and majors in a language must still complete the courses required by the department.

To take the Language Placement Test, please visit this site: http://www.wcupa.edu/_academics/sch_cas.flg/placement.asp

Faculty

Professors
Margarete J. Landwehr (mlandwehr@wcupa.edu) (1992)
B.S., Georgetown University, M.A., Ph.D., Harvard University
Frederick R. Patton (fpatton@wcupa.edu) (1981)
B.A., M.Ed., Temple University, M.A., Ph.D., University of Pennsylvania
Rebecca Pauly (rpauly@wcupa.edu) (1987)
Graduate Coordinator, Languages and Cultures
B.A., Smith College; M.A., University of California, Berkeley; D.M.L., Middlebury College
Michel H. Sage (msage@wcupa.edu) (1994)
M.A., San Diego University; Ph.D., University of California, Berkeley
Stacey Schlau (sschlauf@wcupa.edu) (1985)
B.A., M.A., Queens College; Ph.D., City University of New York
Alice J. Speh (aspeh@wcupa.edu) (1989)
Director, Liberal Studies Program
A.B., Brown University; M.A., Ph.D., Bryn Mawr College
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: ARB102 requires prerequisite of ARB101. 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: ARB201 requires prerequisite of ARB102. 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: ARB202 requires prerequisite of ARB201. 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: ARB205 requires prerequisite of ARB102. 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.
Pre / Co requisites: ARB 301 requires prerequisite ARB 202. 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.

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: CHI102 requires a prerequisite of CHI101.
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: CHI201 requires prerequisite of CHI102.
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: CHI202 requires a prerequisite of CHI201.
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: CHI301 requires 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: CHI302 requires prerequisite of CHI 301.

EAF
EAF 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.
Chinese Culture Cluster Transfer Credits.

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 effect 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.

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.

EFR 330. Francophone Cultures West Africa-Caribbn. 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.

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.

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.

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.

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.

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.

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, Schönoff, 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.

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.
An examination of contributions of Spanish women to cultural movements that have shaped

**ESP 307. Spanish Women (1931 to Present). 3 Credits.**
Typically offered in Spring.

**Typically offered in Fall & Spring.**

**ERU**

**ERU 199. Transfer Credits. 1-9 Credits.**
Transfer Credits.
Repeatable for Credit.

**ERU 309. Russian Culture. 3 Credits.**
(In English) An interdisciplinary 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.

**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. Culture cluster.
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. 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.

**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 mixes (hybridism, syncretism), indigenism, and the concept of identity in regional, national, ethnic, and gender matters.
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.
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.

**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.
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 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.

**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. 
Typically offered in Fall.

FRE 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 with CLS 335, ESP 335.

FRE 355. 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. 
Typically offered in Fall.

FRE 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, ethic of conquest, evangelization, cartography, colonial science, changing views of humanity, and nature. Course includes a field trip and guest lecturers. 
Gen Ed Attribute: Interdisciplinary Requirement.

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.

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 materials, including film, media, and the Internet. Language laboratory work is required. Taught in French. Must satisfy specified PREREQ or pass language placement exam. 
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. 
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. Writing emphasis course. 
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 350. 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 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 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 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.
GER 325. Introduction to German Linguistics. 3 Credits.
An introduction to the many facets of the German language from the times of the Germanic tribes to contemporary dialects. Course topics include a brief overview of the historical development of Germanic languages, including Dutch, English, and the Scandinavian languages (Swedish, Norwegian, Icelandic, Danish) and distinct dialects such as Swiss German, Bavarian, and Yiddish; use of the German language in an international context, in literature and in contemporary media; and an introduction to German phonetics. Pre / Co requisites: GER 303 or GER 307. Typically offered in Spring.

GER 350. German Culture: Middle Ages to 1871. 3 Credits.
A cultural history of Germany, with a focus on philosophy, literature, and the arts; middle ages to 1871. Pre / Co requisites: GER 300 requires prerequisite of GER 303 or GER 307.

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. Gen Ed Attribute: Writing Emphasis.

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.

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: Add consent. 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: Add consent. 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: Add consent. 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.**
Typically offered in Fall.

**GRE 102. Elementary Greek II. 3 Credits.**
Continuation of the forms, grammar, and idioms of Attic and Koine Greek. Readings in Septuagint and New Testament Greek.
Pre / Co requisites: GRE102 requires prerequisite of GRE101.
Typically offered in Spring.

**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: GRE201 requires prerequisite of GRE102.
Typically offered in Fall.

**GRE 202. Intermediate Greek II. 3 Credits.**
Homer, prosody and grammar. Reading of selected portions of the Homeric Poems.
Pre / Co requisites: GRE202 requires prerequisite of GRE201.
Typically offered in Spring.

**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: GRE301 requires prerequisite of GRE202.
Repeatable for Credit.

**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.
Repeatable for Credit.

**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.

**ITA 102. Elementary Italian II. 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: ITA102 requires prerequisite of ITA101.
Typically offered in Fall & Spring.

**ITA 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: ITA201 requires prerequisite of ITA102.
Typically offered in Fall & Spring.

**ITA 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: ITA202 requires prerequisite of ITA201.
Typically offered in Fall & Spring.

**ITA 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: ITA 301 requires prerequisite of ITA 202.
Typically offered in Fall.

**ITA 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 Fall.

**ITA 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.

**ITA 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.
Pre / Co requisites: ITA 360 requires prerequisite of ITA 202.
Typically offered in Fall.

**ITA 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: ITA412 requires prerequisite of ITA301 or 302.
Consent: Add consent.
Repeatable for Credit.
JPN
JPN 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. Repeatable for Credit.

JPN 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.

JPN 199. Transfer Credits. 1-9 Credits.
Transfer Credits. Repeatable for Credit.

JPN 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: JPN201 requires prerequisite of JPN102. Typically offered in Fall.

JPN 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: JPN202 requires prerequisite of JPN201. Typically offered in Spring.

JPN 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: JPN 301 requires prerequisite of JPN 202.

JPN 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. Pre / Co requisites: JPN 302 requires prerequisite of JPN 301.

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: Add consent.

LAN
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 with LAN 382, ENG 382.

LAN 401. 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: Add consent. 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.

LAT 201. Cicero. 3 Credits.
Selections from the orations, letters, and essays. Pre / Co requisites: LAT201 requires prerequisite of LAT101 and 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: LAT202 requires prerequisite of LAT201. Typically offered in Fall.

LAT 301. Teaching of Latin. 3 Credits.

LAT 302. The Latin Lyric Poets. 3 Credits.

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. Pre / Co requisites: LAT 303 requires prerequisite of LAT 202.
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.

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.

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: Add consent.
Repeatable for Credit.

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.

LIN 230. Introduction to Linguistics. 3 Credits.
Basic concepts of language description, classification, change, reconstruction, dialectology, and sociolinguistics.
Typically offered in Fall, Spring & Summer.
Cross listed with ENG 230, LIN 230.

LIN 380. Language and Culture. 3 Credits.
Language as an aspect of culture, using lingustic-perceptual-cognitive categories; social and psychological aspects of language.
Pre / Co requisites: LIN 380 requires prerequisite of LIN 230 and LAN 327.

LIN 411. Seminar Linguistics. 3 Credits.
Specialized studies in linguistics. Topics announced annually.
Pre / Co requisites: LIN 411 requires prerequisite of LIN 230 or LAN 327.
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: Add consent.

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.

POR 102. Elementary Portuguese II. 3 Credits.
Fundamentals of Portuguese grammar, syntax, and pronunciation. Introduction to Brazilian heritage and culture through graded reading selections.

POR 199. Transfer Credits. 1-9 Credits.
Transfer Credits.
Repeatable for Credit.

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 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 prerequisite of RUS 102 or 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 201. 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 201 requires prerequisites of RUS 102 or RUS 103. Typically offered in Fall.

RUS 202. 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 202 requires prerequisite of RUS 202 or RUS 203. Typically offered in Spring.

RUS 301. Advanced Readings in Russian Literature. 3 Credits.
Russian literature in the original is read and analyzed. Russian culture through authentic readings. Pre / Co requisites: RUS303 requires prerequisite of RUS202 or RUS203. Typically offered in Fall.

RUS 302. Russian Civilization I. 3 Credits.
(In Russian) A study of the cultural, philosophical, religious, political, and artistic contributions of Russia. Pre / Co requisites: RUS305 requires prerequisite of RUS301 or RUS302. Typically offered in Fall.

RUS 303. Russian Civilization II. 3 Credits.
Continuation of Russian Civilization I. Emphasis on 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 301 requires prerequisites of RUS 102 or RUS 103. Typically offered in Fall.

RUS 304. Social, Legal, and Political Issues in Russia. 3 Credits.
Continuation of the fundamentals of Russian study geared to facilitate the development of functional proficiency at the intermediate level in listening, speaking, and writing. Introduction to Russian culture and life through readings and discussion. Must satisfy specified PREREQ or pass language placement exam. Pre / Co requisites: RUS301 requires prerequisite of RUS101. Typically offered in Fall, Spring & Summer.

RUS 305. Russian Business Russian. 3 Credits.
Emphasis on oral communication in specific, real-life situations. Some 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: SPA202 requires prerequisite of SPA201. Typically offered in Fall, Spring & Summer.

RUS 306. Advanced Russian Grammar and Conversation I. 3 Credits.
Review and mastery of Russian 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: RUS302 requires prerequisite of RUS301 or RUS302. Typically offered in Fall, Spring & Summer.

RUS 307. Russian Literature. 3 Credits.
A study of the cultural, philosophical, religious, political, and artistic contributions of Russia. Pre / Co requisites: RUS307 requires prerequisite of RUS301 or RUS302. Typically offered in Fall.

RUS 308. Seminar in Russian. 3 Credits.
Independent study and research for upper-division students. Topics announced annually by the Russian faculty. Consent: Add consent. Repeatable for Credit.
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 prerequisite: SPA 301 and 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 LAN 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 LAN 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 LAN 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 prerequisite 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.
Theater and the culture of the Golden Age.
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, Carpenter, 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.
Fictionalized perspectives of 20th and 21st century social realities since the Spanish Civil War. Discussion topics include social criticism, the psychology of adolescence, immigration, and historical memory.
Pre / Co requisites: SPA 415 requires prerequisite of SPA 330 or SPA 331.
### B.A. IN LANGUAGES AND CULTURES - FRENCH CONCENTRATION

#### College of Arts & Sciences

**Curriculum**

- **General Education Requirements**
  - Academic Foundations requirements: 12 credits
    - English Composition (6 credits)
    - Math (3 credits)
    - Public Speaking (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

- **Additional Baccalaureate Requirements**
  - Writing Emphasis requirements: 9 credits

- **Major Language Courses**

  **Tier 1: Language Skills**
  - FRE 102 Elementary French II (Traditional) 3 credits
  - FRE 201 Intermediate French I (Traditional) 3 credits
  - FRE 202 Intermediate French II (Traditional) 3 credits

  **Tier 2: Proficiency**
  - Select two courses from the following: 6 credits
    - FRE 302 Phonetics and ADV Oral French
    - FRE 305 Advanced Grammar and Stylistics
    - FRE 315 French for Oral Proficiency

  **Tier 3: Competency Content**
  - Select one course from each of the following groups: 9 credits

- **Literary Analysis**
  - FRE 304 Readings in Francophone Literature

- **Cultural Analysis**
  - FRE 303 Francophone Civilization
  - FRE 350 French Cinema

- **Language and Linguistics**
  - FRE 422 Topics in French Literature

- **Tier 4**
  - FRE 401 Commercial French
  - Select one 400-level course in cultural, film, or literary studies

- **Connections: common to all languages**
  - LAN 327 Introduction to Linguistics for Language 2 credits

- **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).
  - LAN 368 Comparative Cultural Studies 3 credits

- **Immersion Experience**
  - 3-12 credits

Immersion study and/or internship work experience 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.

**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 credits

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. LIN 230/ENG 230 may substitute.

3. See the department chairperson and student handbook for option

**Degree Progress**

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; courses offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

**Year One**

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**Semester Two**

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**Credits**

15 credits
Year Two
Semester Three
Ged Ed Distributive 3
Ged Ed Distributive 3
Interdisciplinary 3
FRE 202 Intermediate French II (Traditional) 3
Second Language 101 3

Credits 15

Semester Four
Ged Ed Distributive 3
LAN 327 Introduction to Linguistics for Language 3
FRE 302 or 315 Phonetics and Advance Oral French 3
Second Language 102 3
Writing Emphasis 3

Credits 15

Year Three
Semester Five
Ged Ed Distributive 3
LNC 368 Comparative Cultural Studies 3
FRE 305 Advanced Grammar and Stylistics 3
Second Language 201 3
Writing Emphasis 3

Credits 15

Semester Six
FRE 304 Readings in Francophone Literature 3
Second Language 202 3
Writing Emphasis 3
Elective 3
Elective 3

Credits 15

Year Four
Semester Seven
FRE 303 or 350 Francophone Civilization 3
FRE 422 Topics in French Literature 3
Elective 3
Elective 3
Elective 3

Credits 15

Semester Eight
FRE 401 Commercial French 3
FRE 4___ 3
Elective 3
Elective 3
Elective 3

Credits 15

B.A. IN LANGUAGES AND CULTURES - GERMAN CONCENTRATION

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements) 1
Academic Foundations requirements 12
  English Composition (6 credits)
  Math (3 credits)

Public Speaking (3 credits)
Science requirements 6
Behavioral & Social Science requirements 6
Humanities requirements 6
Arts requirement 3
Diverse Communities requirement 3
Interdisciplinary requirement 3
Student Electives 9

Additional Baccalaureate Requirements
Writing Emphasis requirements 9

Major Language Courses
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
Select two from the following: 6
GER 303 Advanced German Grammar and Composition I
GER 307 Advanced Oral German
GER 315 Developing Oral Proficiency

Tier 3: Competency Content
Select one course from each of the following groups: 9
Literary Analysis
GER 322 Austrian Civilization
GER 350 German Culture: Middle Ages to 1871
GER 351 German Culture: 20th Century German

Cultural Analysis
GER 322 Austrian Civilization
GER 350 German Culture: Middle Ages to 1871
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
GER 405 A SURVEY OF GERMAN FILM
GER 408 Masterpieces of German Theatre
GER 410 Independent Studies in Language and Literature
GER 412 Seminar in German
GER 413 Impact Of Holocaust On Lit And Film

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). 3-12

Connections: common to all languages
LAN 327 Introduction to Linguistics for Language 2 3
LNC 368 Comparative Cultural Studies 3

Immersion Experience 3
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
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 Required Credits**

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<th>Credits</th>
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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. LIN 230/ENG 230 may substitute.

3. See the department chairperson and student handbook for option

## Degree Progress

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; courses 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

**Curriculum**

**General Education Requirements** (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

1. Academic Foundations requirements | 12 |
   - English Composition (6 credits) |
   - Math (3 credits) |
   - Public Speaking (3 credits) |
2. Science requirements | 6 |
   - Behavioral & Social Science requirements | 6 |
   - Humanities requirements | 6 |
3. Arts requirement | 3 |
4. Diverse Communities requirement | 3 |
5. Interdisciplinary requirement | 3 |
6. Student Electives | 9 |

### Additional Baccalaureate Requirements

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<th>Credits</th>
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### Major Language Courses

**Tier 1: Language Skills**

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- RUS 101 Elementary Russian I | 3 |
- RUS 102 Elementary Russian II | 3 |
- RUS 201 Intermediate Russian I | 3 |
- RUS 202 Intermediate Russian II | 3 |
- RUS 103 Intensive Elementary Russian I-II | 6 |
- RUS 203 Intensive Intermediate Russian II | 6 |

**Tier 2: Proficiency**

Select two of the following: | 6 |

- RUS 301 Advanced Grammar and Composition I | 3 |
RUS 302 Advanced Grammar and Composition II
RUS 407 Advanced Oral Russian I
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 401 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

**Second Language Requirement**
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

**Immersion Experience**
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**
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 LIN 230/ENG 230 may substitute.

3 See the department chairperson and student handbook for option.

**Degree Progress**
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<td>RUS 305 Russian Civilization I</td>
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B.A. IN LANGUAGES AND CULTURES - SPANISH CONCENTRATION

College of Arts & Sciences

Curriculum

General Education Requirements
Academic Foundations requirements 12
- English Composition (6 credits)
- Math (3 credits)
- Public Speaking (3 credits)

Science requirements 6
- Behavioral & Social Science requirements 6
- Humanities requirements 6

Arts requirement 3

Diverse Communities requirement 3

Interdisciplinary requirement 3

Student Electives 9

Additional Baccalaureate Requirements
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
Select two of the following: 6
- SPA 315 Advanced Readings in Spanish
- SPA 353 Introduction to the Study of Language: Spanish
- SPA 365 Spanish Phonetics

Tier 3: Competency Content
Select one course from each of the following groups: 9

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

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 3
- LNC 368 Comparative Cultural Studies 3

Immersion Experience 3-12

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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 Required Credits 120

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2 LIN 230/ENG 230 may substitute.

3 See the department chairperson and student handbook for option

Degree Progress
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Year One
Semester One Credits
- WRT 120 Effective Writing I 3
- Ged Ed Distributive 3
- SPA 202 Intermediate Spanish II 3
- MAT _____ 3

Semester Two Credits
- WRT 2 _____ 3
- Ged Ed Distributive 3
- SPA 301 Advanced Spanish Grammar and Conversation I 3
- MAT _____ 3

Year Two
Semester Three Credits
- Ged Ed Distributive 3
- Ged Ed Distributive 3
- Interdisciplinary 3
- SPA 302 Advanced Spanish Grammar and Conversation II 3
- Second Language 101 3

Semester Four Credits
- Ged Ed Distributive 3
- LAN 327 Introduction to Linguistics for Language 3
- SPA 315 Advanced Readings in Spanish 3
- Second Language 102 3
- Writing Emphasis 3

Year Three
Semester Five Credits
- Ged Ed Distributive 3
B.A. IN LANGUAGES AND CULTURES WITH ELECTIVE CERTIFICATION - FRENCH CONCENTRATION

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**Semester Six**

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</tr>
<tr>
<td><strong>Credits</strong></td>
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</tr>
</tbody>
</table>

**Writing Emphasis**

3 credits

**Year Four**

**Semester Seven**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>SPA 313, 320, or 321 Latin America on Film</td>
<td>3</td>
</tr>
<tr>
<td>SPA 340, 370, or 375 Study of Bilingualism: An Introduction</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
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**Credits**

15 credits

**Semester Eight**

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<tbody>
<tr>
<td>SPA 444 Advanced Spanish Proficiency Development</td>
<td>3</td>
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<tr>
<td>SPA 4___</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
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</tr>
</tbody>
</table>

**Credits**

15 credits

B.A. IN LANGUAGES AND CULTURES WITH ELECTIVE CERTIFICATION - FRENCH CONCENTRATION

College of Arts & Sciences

Curriculum

**General Education Requirements** [http://catalog.wcupa.edu/undergraduate/general-education-requirements](http://catalog.wcupa.edu/undergraduate/general-education-requirements)

**Academic Foundations requirements**

- **English Composition** (6 credits)
- **Math** (3 credits)
- **Public Speaking** (3 credits)

6 credits

**Science requirements**

6 credits

**Behavioral & Social Science requirements**

6 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 102 Introduction to Anthropology: Cultural</td>
<td>3</td>
</tr>
<tr>
<td>PSY 100 Introduction to Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Humanities requirements**

6 credits

**Arts requirement**

3 credits

**Diverse Communities requirement**

3 credits

**Interdisciplinary requirement**

3 credits

**Student Electives**

9 credits

**Additional Baccalaureate Requirements**

**Writing Emphasis requirements**

9 credits

**Major Language Courses**

**Tier 1: Language Skills**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>FRE 102 Elementary French II (Traditional)</td>
<td>3</td>
</tr>
<tr>
<td>FRE 201 Intermediate French I (Traditional)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Tier 2: Proficiency**

Select two from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRE 302 Phonetics and Advance Oral French</td>
<td>3</td>
</tr>
<tr>
<td>FRE 305 Advanced Grammar and Stylistics</td>
<td>3</td>
</tr>
<tr>
<td>FRE 315 French for Oral Proficiency</td>
<td>3</td>
</tr>
</tbody>
</table>

**Tier 3: Competency Content**

Select one course from each of the following groups:

**Literary Analysis**

- FRE 304 Readings in Francophone Literature

**Cultural Analysis**

- FRE 303 Francophone Civilization
- FRE 350 French Cinema

**Language and Linguistics**

- FRE 422 Topics in French Literature

**Tier 4**

- FRE 401 Commercial French

Effective August 2013 students must complete professional education sequence of the following:

**EDA 103 Foundations of Special Education**

3 credits

**EDM 349 Technology Tools to Transform Teaching and Learning**

1 credit

**EDP 250 Educational Psychology**

3 credits

**EDP 355 Assessment For Learning 7-12**

3 credits

**EDP 349 Adolescent Development**

3 credits

- or **PSY 382 Infant, Child and Adolescent Development**

3 credits

**EDR 347 Literacy Development and Secondary Students with Disabilities in Inclusive Classrooms**

3 credits

Following formal admission

**EDA 303 Special Ed: Processes/Procedures for General Educators**

2 credits

**EDS 306 Teaching Principles and Field Experience in Secondary Schools**

3 credits

**LAN 401 Teaching of Modern Languages: K – 12 (LAT 301 FOR Latin majors)**

3 credits

**EDS 411 Student Teaching Sec - 1st Half**

6 credits

**EDS 412 Student Teaching Sec - 2nd Half**

6 credits

**PDE Prerequisites and Requirement for Program**

**LAN 327 Introduction to Linguistics for Language (or substitute)**

3 credits

**LNC 368 Comparative Cultural Studies (Language area cognate)**

3 credits

**Second Math Course**

3 credits

**Total Minimum Credits Required**

123 credits
1. **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, go to: http://www.wcupa.edu/_academics/coed/PATests.asp

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   a. a cumulative GPA of 2.8 or higher,
   b. 48 completed college-level credits on their transcripts,
   c. three earned credits in English literature, and
d. six earned credits in college-level mathematics.

3. **Praxis II Exams.** There are two Praxis II exams:
   a. **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.
   b. **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.

4. 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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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. 239) section of this catalog for an explanation of related requirements.

**Degree Progress**

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**B.A. IN LANGUAGES AND CULTURES WITH ELECTIVE CERTIFICATION - GERMAN CONCENTRATION**

**Curriculum**

- **General Education Requirements** (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

---

### Major Requirements

**Tier 2: Proficiency**

<table>
<thead>
<tr>
<th>Course</th>
</tr>
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<tbody>
<tr>
<td>GER 201 Intermediate German I</td>
</tr>
<tr>
<td>GER 202 Intermediate German II</td>
</tr>
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</table>

**Tier 3: Competency Content**

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>GER 303 Advanced German Grammar and Composition I</td>
</tr>
<tr>
<td>GER 307 Advanced Oral German</td>
</tr>
<tr>
<td>GER 315 Developing Oral Proficiency</td>
</tr>
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</table>

**Tier 4**

Select two courses in cultural, film, or literary studies

<table>
<thead>
<tr>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>GER 403 20th Century Masterpieces: Kafka, Mann, Hesse</td>
</tr>
<tr>
<td>GER 404 German Artists as Social Conscience</td>
</tr>
<tr>
<td>GER 405 A SURVEY OF GERMAN FILM</td>
</tr>
<tr>
<td>GER 408 Masterpieces of German Theatre</td>
</tr>
<tr>
<td>GER 410 Independent Studies in Language and Literature</td>
</tr>
<tr>
<td>GER 412 Seminar in German</td>
</tr>
<tr>
<td>GER 413 Impact Of Holocaust On Lit And Film</td>
</tr>
</tbody>
</table>

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.

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**B.A. IN LANGUAGES AND CULTURES WITH ELECTIVE CERTIFICATION - GERMAN CONCENTRATION**

**Curriculum**

- **General Education Requirements** (http://catalog.wcupa.edu/undergraduate/general-education-requirements)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EDR 347</td>
<td>Literacy Development and Secondary Students with Disabilities in Inclusive Classrooms</td>
<td>3</td>
</tr>
<tr>
<td>Following formal admission</td>
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<tr>
<td>EDA 303</td>
<td>Special Ed: Processes/Procedures for General Educators</td>
<td>2</td>
</tr>
<tr>
<td>EDS 306</td>
<td>Teaching Principles and Field Experience in Secondary Schools</td>
<td>3</td>
</tr>
<tr>
<td>LAN 401</td>
<td>Teaching of Modern Languages: K - 12 (LAT 301 FOR Latin majors)</td>
<td>3</td>
</tr>
<tr>
<td>EDS 411</td>
<td>Student Teaching Sec - 1st Half and Student Teaching Sec - 2nd Half</td>
<td>12</td>
</tr>
<tr>
<td>&amp; EDS 412</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PDE Prerequisites and Requirement for Program</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LAN 327</td>
<td>Introduction to Linguistics for Language (or substitute)</td>
<td>3</td>
</tr>
<tr>
<td>LNC 368</td>
<td>Comparative Cultural Studies (Language area cognate)</td>
<td>3</td>
</tr>
<tr>
<td>Second Math Course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Total Minimum Required Credits</td>
<td>123</td>
<td></td>
</tr>
</tbody>
</table>

1. **Praxis II Exams.** There are two Praxis II exams:
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      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.
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## B.A. IN LANGUAGES AND CULTURES WITH ELECTIVE CERTIFICATION - SPANISH CONCENTRATION

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>RUS 402</td>
<td>The Russian Drama</td>
<td>3</td>
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<tr>
<td>RUS 403</td>
<td>Russian Poetry of the 20th Century</td>
<td>3</td>
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<td>RUS 410</td>
<td>Independent Studies in Russian Language</td>
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<td>RUS 411</td>
<td>Seminar in Russian</td>
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Effective August 2013 students must complete professional education sequence of the following:

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<tr>
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<th>Course Title</th>
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<tr>
<td>EDA 103</td>
<td>Foundations of Special Education</td>
<td>3</td>
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<td>EDM 349</td>
<td>Technology Tools to Transform Teaching and Learning</td>
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<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>EDP 349</td>
<td>Adolescent Development</td>
<td>3</td>
</tr>
<tr>
<td>or PSY 382</td>
<td>Infant, Child and Adolescent Development</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>
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</table>

**Following formal admission**

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<td>EDA 306</td>
<td>Special Ed: Processes/Procedures for General Educators</td>
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<td>&amp; EDS 412</td>
<td>Student Teaching Sec - 2nd Half</td>
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</table>

**PDE Prerequisites and Requirement for Program**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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</table>

**Second Math Course**

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credits</th>
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</table>

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## Degree Progress

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## 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>
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<tr>
<td>Academic Foundations requirements</td>
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</tr>
<tr>
<td>English Composition</td>
<td>6</td>
</tr>
<tr>
<td>Math</td>
<td>3</td>
</tr>
<tr>
<td>Public Speaking</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>
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<td>ANT 102 Introduction to Anthropology: Cultural</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>
<td>Student Electives</td>
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<tr>
<td>Additional Baccalaureate Requirements</td>
<td>9</td>
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<tr>
<td>Writing Emphasis requirements</td>
<td></td>
</tr>
<tr>
<td>Major Language Courses</td>
<td></td>
</tr>
<tr>
<td>Tier 1: Language Skills</td>
<td></td>
</tr>
<tr>
<td>SPA 202 Intermediate Spanish</td>
<td>3</td>
</tr>
<tr>
<td>SPA 301 Advanced Spanish Grammar and Conversation</td>
<td>3</td>
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<tr>
<td>SPA 302 Advanced Spanish Grammar and Conversation</td>
<td>3</td>
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<tr>
<td>Tier 2: Proficiency</td>
<td>6</td>
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<tr>
<td>Select two of the following:</td>
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</tr>
<tr>
<td>SPA 315 Advanced Readings in Spanish</td>
<td></td>
</tr>
<tr>
<td>SPA 353 Introduction to the Study of Language: Spanish</td>
<td></td>
</tr>
<tr>
<td>SPA 365 Spanish Phonetics</td>
<td></td>
</tr>
<tr>
<td>Tier 3: Competency Content</td>
<td>9</td>
</tr>
<tr>
<td>Select one course from each of the following groups:</td>
<td></td>
</tr>
<tr>
<td>Literary Analysis</td>
<td></td>
</tr>
<tr>
<td>SPA 330 Spanish Narrative</td>
<td></td>
</tr>
<tr>
<td>SPA 331 Spanish-American Narrative</td>
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</tr>
</tbody>
</table>

### Curriculum

- **Academic Foundations requirements (12 credits)**
- **English Composition (6 credits)**
- **Math (3 credits)**
- **Public Speaking (3 credits)**
- **Science requirements (6 credits)**
- **Behavioral & Social Science requirements (6 credits)**
- **ANT 102 Introduction to Anthropology: Cultural (6 credits)**
- **PSY 100 Introduction to Psychology (3 credits)**
- **Humanities requirements (6 credits)**
- **Arts requirement (3 credits)**
- **Diverse Communities requirement (3 credits)**
- **Interdisciplinary requirement (3 credits)**
- **Student Electives (9 credits)**
- **Additional Baccalaureate Requirements (9 credits)**
- **Writing Emphasis requirements (9 credits)**
- **Major Language Courses**
- **Tier 1: Language Skills**
- **SPA 202 Intermediate Spanish II (3 credits)**
- **SPA 301 Advanced Spanish Grammar and Conversation I (3 credits)**
- **SPA 302 Advanced Spanish Grammar and Conversation II (3 credits)**
- **Tier 2: Proficiency**
- **Select two of the following (6 credits)**
  - **SPA 315 Advanced Readings in Spanish**
  - **SPA 353 Introduction to the Study of Language: Spanish**
  - **SPA 365 Spanish Phonetics**
- **Tier 3: Competency Content**
- **Select one course from each of the following groups (9 credits)**
  - **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

Tier 4
SPA 444 Advanced Spanish Proficiency Development 3

Select one 400-level course in cultural, film, or literary studies 3

Pennsylvania certification in languages K–12 1

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 303 Special Ed: Processes/Procedures for General Educators 2
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
LNC 368 Comparative Cultural Studies (Language area cognate) 3
Second Math Course 3

Total Minimum Credit Hours 123

1. 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, go to: http://www.wcupa.edu/_academics/coed/PAtests.asp

2. Formal admission into teacher education (FATE): In addition to passing scores on PAPA (formerly PPST) exams, certification candidates seeking FATE must have
   a. a cumulative GPA of 2.8 or higher,
   b. 48 completed college-level credits on their transcripts,
   c. three earned credits in English literature, and
d) six earned credits in college-level mathematics

3. Praxis II Exams. There are two Praxis II exams:
   a. 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.
   b. 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).

4. 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 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. 239) section of this catalog for an explanation of related requirements.

Degree Progress
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 FRENCH
College of Arts & Sciences

1. The minor concentration begins with the language sequence of 101-102 (or 103), 201-202 (203 or 205), unless the student tests at a higher level through the online placement exam. Students placing out of beginning courses must still complete 18 hours.

2. A minimum grade of B is required in both 101 and 102 in order to pursue the minor.
3. Beyond the 202 sequence, courses at the 300 and 400 levels in the same language must be taken under advisement. Courses in English at any level are not acceptable.

MINOR IN GERMAN

College of Arts & Sciences

1. The minor concentration begins with the language sequence of 101-102 (or 103), 201-202 (203 or 205), unless the student tests at a higher level through the online placement exam. Students placing out of beginning courses must still complete 18 hours.
2. A minimum grade of B is required in both 101 and 102 in order to pursue the minor.
3. Beyond the 202 sequence, courses at the 300 and 400 levels in the same language must be taken under advisement. Courses in English at any level are not acceptable.

MINOR IN ITALIAN

College of Arts & Sciences

1. The minor concentration begins with the language sequence of 101-102 (or 103), 201-202 (203 or 205), unless the student tests at a higher level through the online placement exam. Students placing out of beginning courses must still complete 18 hours.
2. A minimum grade of B is required in both 101 and 102 in order to pursue the minor.
3. Beyond the 202 sequence, courses at the 300 and 400 levels in the same language must be taken under advisement. Courses in English at any level are not acceptable.

MINOR IN LINGUISTICS

College of Arts & Sciences

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course 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:

- Alternative courses not shown in this list may be chosen, provided that they are approved by the program coordinator.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 415</td>
<td>Language, Thought &amp; Behavior</td>
</tr>
<tr>
<td>COM 307</td>
<td>Nonverbal Communication</td>
</tr>
<tr>
<td>COM 450</td>
<td>Health Communication</td>
</tr>
<tr>
<td>CSC 220</td>
<td>Foundations of Computer Science</td>
</tr>
<tr>
<td>CSC 345</td>
<td>Programming Language Concepts/Paradigms</td>
</tr>
<tr>
<td>CSC 481</td>
<td>Artificial Intelligence</td>
</tr>
<tr>
<td>ENG 340</td>
<td>Sociolinguistic Aspects of English</td>
</tr>
<tr>
<td>FRE 302</td>
<td>Phonetics and Advance Oral French</td>
</tr>
<tr>
<td>LAN 382</td>
<td>Teaching English Language Learners PK-12</td>
</tr>
<tr>
<td>LAN 401</td>
<td>Teaching of Modern Languages: K - 12</td>
</tr>
<tr>
<td>LAN 425</td>
<td>Internship in Foreign Languages</td>
</tr>
<tr>
<td>LIN 211</td>
<td>Language Communities in the US and Canada</td>
</tr>
<tr>
<td>PHI 190</td>
<td>Logic</td>
</tr>
<tr>
<td>PHI 330</td>
<td>Introduction to Meaning</td>
</tr>
<tr>
<td>PHI 436</td>
<td>Symbolic Logic</td>
</tr>
<tr>
<td>SPA 365</td>
<td>Spanish Phonetics</td>
</tr>
<tr>
<td>SPP 203</td>
<td>Speech and Hearing Science</td>
</tr>
<tr>
<td>SPP 207</td>
<td>Introduction to Phonetics</td>
</tr>
<tr>
<td>SPP 353</td>
<td>Introduction to the Study of Language: Spanish</td>
</tr>
<tr>
<td>LIT 328</td>
<td>Old English Language and Literature</td>
</tr>
</tbody>
</table>

Total Credits: 18

For course descriptions, see communication sciences and disorders (SPP), communication studies (COM), computer science (CSC), English (ENG), or philosophy (PHI).

MINOR IN RUSSIAN

College of Arts & Sciences

1. The minor concentration begins with the language sequence of 101-102 (or 103), 201-202 (203 or 205), unless the student tests at a higher level through the online placement exam. Students placing out of beginning courses must still complete 18 hours.
2. A minimum grade of B is required in both 101 and 102 in order to pursue the minor.
3. Beyond the 202 sequence, courses at the 300 and 400 levels in the same language must be taken under advisement. Courses in English at any level are not acceptable.

MINOR IN SPANISH

College of Arts & Sciences

1. The minor concentration begins with the language sequence of 101-102 (or 103), 201-202 (203 or 205), unless the student tests at a higher level through the online placement exam. Students placing out of beginning courses must still complete 18 hours.
2. A minimum grade of B is required in both 101 and 102 in order to pursue the minor.
3. Beyond the 202 sequence, courses at the 300 and 400 levels in the same language must be taken under advisement. Courses in English at any level are not acceptable.
LATIN AMERICAN AND LATINO/A STUDIES PROGRAM

College of Arts & Sciences

129 Mitchell Hall
610-436-2466
Latin American and Latino/a Studies (http://www.wcupa.edu/_ACADEMICS/sch_cas/lat_stu)
Marcos Campillo-Fenoll (mcampillo-fenoll@wcupa.edu), Coordinator
For advising, see Dr. Marcos Campillo-Fenoll (mcampillo-fenoll@wcupa.edu) in the Department of Languages and Cultures (p. 307).

Any student in the University, regardless of his or her area of specialization, may earn a minor and a letter of verification in Latin American and Latino/a Studies after satisfactory completion of 18-24 semester hours of work.

Programs

Minor in Latin American and Latino Studies

- Latin American and Latino/a Studies (p. 329)

Policies

- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

MINOR IN LATIN AMERICAN AND LATINO/A STUDIES

College of Arts & Sciences

Required: Track I or Track II

TRACK I: 18-24

Spanish or Portuguese Language 1

Choose one set of courses from the following:

SPA 201 & SPA 202 Intermediate Spanish I & Intermediate Spanish II
SPA 118 Spanish for Professional Development & SPA 200-level course

Latin American Culture and/or Literature

Choose two courses from the following:

ESP 300 Latin-American Culture and Civilization (In English)
or ESP 321 Cultures of Spanish America
ESP 309 Latin America on Film
or ESP 313 Latin America on Film
ESP 311 Contemporary Latin American Narrative
or ESP 331 Spanish-American Narrative
ESP 318 Speaking Spanish in the United States
ESP 324 Latinos in the U.S.
ESP 333 Latina Writing
or CLS 333 Latina Writing
ESP 334 Politics & Economics Lit Of Modern Amer
or CLS 334 Politics and Economics Lit of Modern Amer
ESP 335 Latino Literatures in the US or cls 335
ESP 362 New World: America

Other courses with approval from the LALS director

Electives 6

Study Abroad in Spanish or Portuguese-speaking country (up to 6 credits)

Course from Track II with approval of the LALS director

TRACK II: 18-24

Spanish or Portuguese Language 1

Courses to 102 level

Latin American History

Students may select no more than two (2) courses in any given area.

Anthropology/Sociology

ANT 224 Native People of South America
ANT 322 Ethnology of Central America
ANT 324 Native People of the Andes
ANT 362 Archaeology of Central America

ANT 400-level topical course or thesis 2

SOC 341 Social Stratification 2
SOC 491 Topical Seminar in Sociology 2

Geography

GEO 302 Geography of Latin America
GEO 400 Senior Seminar In Geography 2

Social Work

SWO 225 Race Relations

History

HIS 315 Colonial Latin America
HIS 316 Modern Latin America
HIS 317 History of Mexico
HIS 407 History of Brazil

HIS 400-level topical course or thesis 2

Political Science

PSC 213 International Relations
PSC 310 The United States and Latin America
PSC 340 Latin American Culture and Politics
PSC 333 Latino Politics

PSC 400-level topical course or thesis 2

Electives 6

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. 147), Geography and Planning (p. 263), Political Science (p. 399), Art (p. 176), Dance (p. 431) 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/_academics/sch_cas/lat_stu/).

For advising, see Dr. Marcos Campillo-Fenoll (mcampillo-fenoll@wcupa.edu) in the Department of Languages and Cultures (http://www.wcupa.edu/_academics/sch_cas/lat_stu/).
DEPARTMENT OF LIBERAL STUDIES

College of Arts & Sciences

B.A. Liberal Studies - Arts and Sciences

B.S. Liberal Studies - Science and Mathematics

151 Main Hall
610-436-1096 or 610-436-2327
Department of Liberal Studies (http://www.wcupa.edu/_academics/sch_cas/lsp/default.asp)
Alice Speh (aspeh@wcupa.edu), Director

B.S. Liberal Studies - Professional Studies

144 Main Hall
610-436-3548
Department of Liberal Studies (http://www.wcupa.edu/_academics/sch_cas/lsp/default.asp)
Bruce Norris (bnorris@wcupa.edu), Director

The Liberal Studies program offers student-designed, interdisciplinary majors that provide an alternative to traditional baccalaureate degrees in specific academic areas. The Liberal Studies 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.

After completing at least 30 semester hours, 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 semester hours. 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 Sciences 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 capability to design a career-centered curriculum that may not be available at the University. The course of study includes the student’s selection of two academic minors, one of which must be a program offered by one of the four professional colleges (Business and Public Affairs, Education, Health Sciences, or Visual and Performing Arts).

A minor in Youth Empowerment and Urban Studies (p. 439) also is available. See the curriculum listed under Interdisciplinary Studies.

Programs

Majors in Liberal Studies

• B.A. in Liberal Studies - Arts and Sciences Track (p. 330)
• B.S. in Liberal Studies - Science and Mathematics Track (p. 331)
• B.S. in Liberal Studies - Professional Studies Track (p. 331)

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: Add consent.

B.A. IN LIBERAL STUDIES - ARTS AND SCIENCES TRACK

College of Arts & Sciences

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>Academic Foundations requirements</td>
<td>12</td>
</tr>
<tr>
<td>English Composition (6 credits)</td>
<td></td>
</tr>
<tr>
<td>Math (3 credits)</td>
<td></td>
</tr>
<tr>
<td>MAT course above MAT 103</td>
<td></td>
</tr>
<tr>
<td>Public Speaking (3 credits)</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>
<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>Additional Baccalaureate Requirements</td>
<td></td>
</tr>
<tr>
<td>Writing Emphasis requirements</td>
<td>9</td>
</tr>
<tr>
<td>Language Requirement</td>
<td></td>
</tr>
<tr>
<td>Demonstrating language proficiency through the intermediate level (202)</td>
<td>3-12</td>
</tr>
<tr>
<td>Major Requirements</td>
<td></td>
</tr>
<tr>
<td>Natural and computer sciences, behavioral and social sciences, humanities</td>
<td>24</td>
</tr>
<tr>
<td>communications, mathematics, and the arts</td>
<td></td>
</tr>
<tr>
<td>Major Electives</td>
<td></td>
</tr>
<tr>
<td>Of the student's choice at the 300 and 400 level</td>
<td>30</td>
</tr>
<tr>
<td>Minor</td>
<td></td>
</tr>
<tr>
<td>Select at least one minor offered by the College of Arts and Sciences,</td>
<td>18-30</td>
</tr>
<tr>
<td>College of Visual and Performing Arts, or departments of Economics,</td>
<td></td>
</tr>
<tr>
<td>Geography, or Political Science, as well as international business.</td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td></td>
</tr>
<tr>
<td>Electives to total 120 semester hours</td>
<td></td>
</tr>
<tr>
<td>Total Minimum Credits Required</td>
<td>120</td>
</tr>
</tbody>
</table>

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.

Degree Progress

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.

Policies

• See undergraduate admissions information. (p. 11)
• See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)
B.S. IN LIBERAL STUDIES - PROFESSIONAL STUDIES TRACK

College of Arts & Sciences

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

Academic Foundations requirements 12
  - English Composition (6 credits)
  - Math (3 credits)
  - Public Speaking (3 credits)

Science requirements 6
  - Behavioral & Social Science requirements 6
  - Humanities requirements 6
  - Arts requirement 3
  - Diverse Communities requirement 3
  - Interdisciplinary requirement 3
  - Student Electives 3

Additional Baccalaureate Requirements
  - Writing Emphasis requirements 9

Two Minors
  - Minor A 18
    Must be an academic minor offered by the colleges of Business and Public Affairs, Education, or Health Sciences, or the following minors from the College of Visual and Performing Arts: 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)

Total Minimum Credits Required 120

Degree Progress

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

College of Arts & Sciences

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

Academic Foundations requirements 12
  - English Composition (6 credits)
  - Math (3 credits)
  - MAT course above MAT 103
  - Public Speaking (3 credits)

Science requirements 6
  - Behavioral & Social Science requirements 6

Humanities requirements 6
  - Arts requirement 3
  - Diverse Communities requirement 3
  - Interdisciplinary requirement 3
  - Student Electives 9

Additional Baccalaureate Requirements
  - 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 110 Precalculus (or above) 3
  - or CSC 110 Fundamentals in Computer Science
  - 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, Geology and Astronomy, Mathematics, or Physics 17-24

Electives

Electives to total 120 semester hours

Total Minimum Credits Required 120

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.

Degree Progress

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 & Sciences
126 Mitchell Hall
610-436-3584
Linguistics Program (http://www.wcupa.edu/_academics/sch_cas/ling_stu)
Israel Sanz-Sánchez (isanz-sanchez@wcupa.edu), Coordinator

The minor in linguistics is an interdisciplinary program offered by the departments of Communication Sciences and Disorders (p. 207), Communication Studies (p. 210), Computer Science (p. 216), English (p. 242), Languages and Cultures (p. 307), and Philosophy (p. 386). 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 semester hours of course work. The program coordinator must approve all courses.

Programs

Minor in Linguistics
- Linguistics (p. 328)

Policies
- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

Contributing Faculty

Professors
Cheryl D Gunter (cgunter@wcupa.edu) (1999)
Chairperson, Communication Sciences and Disorders
B.A., University of Tennessee; M.A., Memphis State; 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
Frederick R. Patton (fpatton@wcupa.edu) (1981)
B.A., M.Ed., Temple University; M.A., Ph.D., University of Pennsylvania
Michel H. Sage (msage@wcupa.edu) (1994)
M.A., San Diego University; Ph.D., University of California, Berkeley
Andrea Varricchio (avarricchi@wcupa.edu) (1986)
Coordinator, Languages and Cultures
B.A., Chestnut Hill College; M.A., Middlebury College; Ph.D., Temple University

Associate Professors
Maria José Cabrera (mcabrera@wcupa.edu) (2007)
Coordinator, Languages and Cultures
B.A., Universidad de Murcia (Spain); M.A., West Virginia University; Ph.D., Rutgers University
Sara Lamb Kistler (slambk@wcupa.edu) (2004)
B.S., M.A., West Chester University; Ph.D., University of Delaware
Israel Sanz-Sanchez (isanzsanchez@wcupa.edu) (2009)
Director, Linguistics Program
Assistant Chairperson, Languages and Cultures
B.A., University of Valladolid (Spain); M.A., San Diego State University; Ph.D., University of California, Berkeley

Assistant Professors
Mahmoud Amer (mamer@wcupa.edu) (2011)
B.A., Mutah University; M.A., University of Toledo; Ph.D., Indiana University of Pennsylvania
Supraja Anand (sanand@wcupa.edu) (2014)
B.Sc., M.Sc., All India Institute of Speech and Hearing; Ph.D., University of Florida
Jelena Colovic-Markovic (jcovic@wcupa.edu) (2013)
B.A., University of Belgrade; M.A., Brigham Young University; Ph.D., University of Utah
William Keith Corbitt (wcorbitt@wcupa.edu) (2013)
Coordinator, Languages and Cultures
A.A., Monterey Peninsula College; B.A., High Point University; M.A., University of Delaware; M.A., Ph.D., University of Indiana
Sojung Kim (skim@wcupa.edu) (2011)
B.A., Sung Kyun Kwan University (South Korea); M.A., Ohio University; Ph.D., Arizona State University
Maria-Eirini Panagiotidou (mpanagioti@wcupa.edu) (2013)
B.A., National and Kapodistrian University of Athens; M.A., Ph.D., The University of Nottingham
Innhwa Park (ipark@wcupa.edu) (2013)
Director, Teaching English as a Second Language
Graduate Coordinator, Teaching English as a Second Language
B.A. Seoul National University; Ph.D., University of California, Los Angeles
Patricia Swasey Washington (pswasey@wcupa.edu) (2009)
B.A., Rutgers University Douglass College; M.A., William Paterson University; Ph.D., Temple University
DEPARTMENT OF LITERACY

College of Education
108B Recitation Hall
610-436-2877
Department of Literacy (http://www.wcupa.edu/_academics/coed/departments/literacy/default.asp)
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 reading 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

Minor in Literacy

• Reading (p. 334)

Graduate Opportunities

See the graduate catalog for information on the Literacy program. (http://catalog.wcupa.edu/graduate/education/literacy)

Policies

• See undergraduate admissions information. (p. 11)
• See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

Faculty

Professors

Dena G. Beeghly (dbeeghly@wcupa.edu) (1992)
B.S., Southern Connecticut State University; M.Ed., Ed.D., University of Georgia

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Graduate Coordinator, Literacy
B.A., Mary Washington College; M.Ed., James Madison University; M.Ed., Ph.D., University of Virginia

Associate Professors

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B.A., University of Pittsburgh; M.Ed., The Citadel; Ph.D., Purdue University

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B.A., University of Calcutta; B.Ed., University of Rohtak; M.Ed., Xavier University; Ed.D., University of Cincinnati

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Assistant Professors

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B.A., University of Notre Dame; M.Ed., University of Florida; Ph.D., University of Tennessee

Instructor

Lisa Gordon (lgordon@wcupa.edu) (1999)
B.S., University of Pittsburgh; M.Ed., Pennsylvania State University

Courses

EDR

EDR 100. College Reading and Study Skills. 3 Credits.
An individualized course to develop reading and study skills such as comprehension, vocabulary, speed, remembering, concentration, taking notes, mastering a text assignment, and preparing for and taking examinations.
Typically offered in Fall & Spring.

EDR 110. Developing Learning Skills. 1 Credit.
A course that reviews and develops specialized learning skills such as concentrating when studying, reading a textbook assignment, taking notes, and preparing for and taking examinations. Students who wish to review their study habits or who have special needs in the area of study skills should enroll in this course.

EDR 302. Teaching the Language Arts. 3 Credits.
Study of teaching language skills in the elementary schools: listening, speaking, writing. Pre / Co requisites: EDR 302 requires prerequisite of EDE 251.
Gen Ed Attribute: Writing Emphasis.

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. As a writing emphasis course, students will develop their writing abilities over the course of the semester. Pre / Co requisites: EDR 304 requires prerequisite EGP 210.
Gen Ed Attribute: Writing Emphasis.

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 prerequisite EDF 201.
Gen Ed Attribute: Writing Emphasis.

EDR 307. Foundation in Reading PreK-4. 3 Credits.
EDR 307: Foundations in Reading PK-4 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.
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 prerequisite EDP 201.

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.

EDR 311. Introduction to Reading Instruction. 3 Credits.
An exploratory course investigating the reading process, language and learning theories, and their relation 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 the 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 prerequisites 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 201, MGP 220, 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.
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 with EDA 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 result in appropriate assessment and instructional techniques. Content area literacy for students with disabilities will be addressed.
Pre / Co requisites: EDR 345 requires prerequisite (EDR 304 and 307) OR (EDR 306 and 308) OR EDF 204 or EDF 301.

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 as defined in I.D.E.A. (mental retardation, hearing impairments, speech or language impairments, visual impairments, serious emotional disturbance, orthopedic impairments, autism, traumatic brain injury, other health impairments, and specific learning disabilities).
Pre / Co requisites: EDR 347 requires prerequisite EDA 103 or EDF 301.

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 423. 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.

EDR Q20. Reader’s Workshop: Connecting Readers and Text. 3 Credits.
The intermediate level workshop will emphasize the development and improvement of college-level reading competencies. The course is designed to help the students improve their reading comprehension as well as effective study techniques and strategies. Additionally, vocabulary development, flexible reading rate, and critical reading will be taught in this course.
Typically offered in Summer.

MINOR IN READING

Students who wish to minor in reading 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, 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.

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EDR 307</td>
<td>Foundation in Reading PreK-4</td>
<td>3</td>
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<tr>
<td>or EDR 308</td>
<td>Foundations in Reading 4-8</td>
<td>3</td>
</tr>
<tr>
<td>EDR 317</td>
<td>Reading Instruction and Practicum PreK-4</td>
<td>6</td>
</tr>
<tr>
<td>or EDR 318</td>
<td>Reading Instruction and Practicum 4-8</td>
<td>6</td>
</tr>
<tr>
<td>EDR 321</td>
<td>Assessment and Instructional Interventions in Reading and Language Arts</td>
<td>3</td>
</tr>
<tr>
<td>EDR 420</td>
<td>Reading in the Content Areas</td>
<td>3</td>
</tr>
<tr>
<td>EDR 422</td>
<td>Seminar in Reading</td>
<td>3</td>
</tr>
<tr>
<td>or EDR 425</td>
<td>Teaching Multimodal Literacies</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits: 18
DEPARTMENT OF MANAGEMENT

College of Business & Public Affairs
312B Anderson Hall
610-436-2304
Department of Management (http://www.wcupa.edu/_ACADEMICS/Sch_sba/Management/default.asp)
Evan Leach (ELeach@wcupa.edu) Chairperson

The primary objective of the Department of Management is to provide students with the skills required to manage business and public organizations effectively.

To accomplish this objective, the faculty of the Department of Management will strive
1. to increase the student’s ability to reason analytically and critically and enhance information literacy;
2. to increase the student’s awareness of the concepts and terms used in current managerial practice;
3. to increase the student’s awareness of the international dimension of business;
4. to increase the student’s skills in written and verbal communication;
5. to increase the student’s ability to use quantitative methods and technology to analyze a business problem;
6. to give the student experience in working productively as part of a team; and
7. to increase the student’s ability to analyze ethical issues in business.

The Department of Management offers a B.S. in business management. All freshmen and those transfer students who have not completed the required courses will be admitted to the pre-business program.

Programs

Major in Management
• B.S. in Business Management (p. 337)

Minor in Management
• International Business (p. 337)

Graduate Opportunities
See the graduate catalog for more information on the Business Administration program. (http://catalog.wcupa.edu/graduate/business-public-affairs/business-administration)

Policies

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 107 and MAT 108 with a C or better required in at least one of them. If a student is placed directly into MAT 108 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 107 (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).

Other Policies
• See undergraduate admissions information. (p. 11)
• See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

Faculty

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Chairperson, Management

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Courses

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 prerequisite of MGT 200 or MGT 300 and minimum 2.50 CUM GPA.
Distance education offering may be available.

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 or MGT 300 and minimum 2.50 CUM GPA.

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 non-business 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.

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.

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 prerequisite of MGT 200 or MGT 300 (Majors only) and minimum 2.50 CUM GPA.

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 252 and MGT 200 or MGT 300 and minimum CUM GPA of 2.50.
Distance education offering may be available.

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 prerequisite of MGT 200 or MGT 300 (Majors only) and minimum 2.50 Minimum CUM GPA.

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 those 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.

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.
Organization of a business venture with emphasis on risk, requirements, roles, and rewards. Students develop a simulated venture, with oral and written report.
Pre / Co requisites: MGT 471 requires prerequisites of ACC 201 and ACC 202 and FIN 325 and MGT 200 or MGT 300, MKT 325 and minimum 2.50 CUM GPA.

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.
Pre / Co requisites: Minimum 2.50 CUM GPA.
Consent: Add consent.
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.
Pre / Co requisites: Minimum 2.50 CUM GPA.
Consent: Add consent.
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.
Pre / Co requisites: MGT 487 requires prerequisite of MGT 200 or MGT 300 and minimum 2.50 CUM GPA.
Repeatable for Credit.

MGT 488. Independent Studies in Management. 1-3 Credits.
Special research projects, reports, and readings in management.
Pre / Co requisites: 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.
Pre / Co requisites: MGT 498 requires prerequisites of MGT 313, MGT 321, MGT 341, MGT 431 and MIS 300 and minimum 2.50 CUM GPA.
Gen Ed Attribute: Writing Emphasis.

MGT 499. Business Policy and Strategy. 3 Credits.
A capstone course for all business majors, requiring students to integrate and apply multidisciplinary knowledge and skills in actively formulating improved business strategies and plans. Case method predominates. Written reports.
Pre / Co requisites: MGT 499 requires prerequisites of MGT 200 or MGT 300 and MGT 250 and FIN 325, BLA 201 (Majors only) and minimum 2.50 CUM GPA.
Gen Ed Attribute: Writing Emphasis.

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.
Pre / Co requisites: MIS 300 requires prerequisite of MGT 200 or MGT 300 and minimum CUM GPA of 2.50.
Distance education offering may be available.

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 systems.
Pre / Co requisites: MIS 301 requires prerequisite of minimum 2.50 CUM GPA.
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.
Pre / Co requisites: MIS 453 requires prerequisites of MGT 441 and MIS 300 and MIS 451.

B.S. IN BUSINESS MANAGEMENT

College of Business & Public Affairs

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)
Academic Foundations requirements 12
   English Composition (6 credits)
   Math (3 credits)
Select one of the following:
   MAT 105 Algebra, Functions, and Trigonometry
   MAT 107 Algebra and Functions
   MAT 108 Brief Calculus
   MAT 110 Precalculus
   MAT 161 Calculus
Public Speaking (3 credits)
   SPK 208 Public Speaking
   or SPK 230 Business and Professional Speech Communication
Science requirements 6
   Behavioral & Social Science requirements 6
   ECO 111 Principles of Economics (Macro)
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
Additional Baccalaureate Requirements
   Writing Emphasis requirements 9
Major Requirements
   ACC 201 Financial Accounting
   ACC 202 Managerial Accounting
   BLA 201 Legal Environment of Business
   ECO 112 Principles of Economics (Micro)
   ECO 251 Quantitative Business Analysis I
   ECO 252 Quantitative Business Analysis II
   FIN 325 Corporate Finance
   MGT 200 Principles of Management
   MGT 313 Business and Society
   MGT 341 Production and Operations Management
   MGT 499 Business Policy and Strategy
   INB 300 Introduction to International Business
   MKT 250 Principles of Marketing
   MKT 321 Organization Theory and Behavior
   MGT 431 Human Resource Management
   MGT 498 Seminar in Management

MIS 300 Introduction to Management Information Systems 3
Related/Cognate Requirements
   ENG 368 Business and Organizational Writing 3
   MAT 108 Brief Calculus (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.)
   or MAT 161 Calculus I
   Business Electives
   300-level or above courses in ACC, BLA, ECO, INB, MGT, MIS, MKT, GEO 325 or GEO 425 9
   Student Electives
   Select 6 semester hours 6
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 of these credits in 300–400 level MGT, MIS, or INB courses.

Degree Progress
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 & Public Affairs

Required Courses
   INB 300 Introduction to International Business 3
   INB 469 International Management Seminar 3
   Two language-based courses from the Department of Languages and Cultures 6
Electives 9
   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

To graduate, students must have a 2.50 overall GPA and a 2.50 GPA in their major course work (as defined by each program).

1 Course substitutions for MAT 107 are MAT 105 or MAT 110.
2 A minimum grade of C must be attained in these courses.
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 107 and MAT 108 with a C or better required in at least one of them. If a student is placed directly into MAT 108 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 107 (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).

Other Policies

- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

Faculty

Professors

Paul M. Arsenault (parsenault@wcupa.edu) (1998)
M.S., Marietta College; M.B.A., Wake Forest University; Ph.D., Temple University

Paul F. Christ (pchrist@wcupa.edu) (1994)
Director, M.B.A. Program
B.B.A., M.B.A., Temple University; Ph.D., Drexel 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

Associate Professor

Chun-Chen Wang (cwang@wcupa.edu) (2011)
B.A., Fu Jen Catholic University (Taiwan); M.B.A., Baruch College; Ph.D., University of Texas at Arlington

Courses

MKT

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.

MKT 250. Principles of Marketing. 3 Credits.

MKT 250 Principles of Marketing (3) 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 prerequisite of MKT 250 and minimum 2.50 CUM GPA. Typically offered in Fall & Spring.

MKT 399. Transfer Elective Upper Level. 1-10 Credits.
Transfer Elective Upper Level.
Repeatable for Credit.

MKT 404. 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 404 requires prerequisite of MKT 250 and minimum 2.50 CUM GPA. Typically offered in Fall & Spring.

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 analysis. 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: Add consent. 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: Add consent. 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: Add consent. 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 & Public Affairs

Curriculum

General Education Requirements

<table>
<thead>
<tr>
<th>Category</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic Foundations requirements</td>
<td>12</td>
</tr>
<tr>
<td>English Composition (6 credits)</td>
<td></td>
</tr>
<tr>
<td>Math (3 credits)</td>
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<tr>
<td>Select one of the following:</td>
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<tr>
<td>MAT 105 Algebra, Functions, and Trigonometry</td>
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<tr>
<td>MAT 107 Algebra and Functions</td>
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<tr>
<td>MAT 108 Brief Calculus</td>
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<td>MAT 110 Precalculus</td>
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<tr>
<td>MAT 161 Calculus</td>
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<tr>
<td>Public Speaking (3 credits)</td>
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<tr>
<td>SPK 208 Public Speaking</td>
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<tr>
<td>or SPK 230 Business and Professional Speech Communication</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>ECO 111 Principles of Economics (Macro)</td>
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<td>Humanities requirements</td>
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<td>Select one of the following:</td>
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<tr>
<td>PHI 101 Introduction to Philosophy</td>
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</tr>
<tr>
<td>PHI 150 Critical Thinking and Problem Solving</td>
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<tr>
<td>PHI 180 Introduction to Ethics (Also satisfies Diverse Communities general education requirement.)</td>
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<tr>
<td>Arts requirement</td>
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<tr>
<td>Diverse Communities requirement</td>
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<tr>
<td>Interdisciplinary requirement</td>
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<tr>
<td>Student Electives</td>
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</tr>
</tbody>
</table>

Additional Baccalaureate Requirements

| Writing Emphasis requirements         | 9       |

Major Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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<tr>
<td>ACC 201</td>
<td>Financial Accounting</td>
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<td>ACC 202</td>
<td>Managerial Accounting</td>
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<tr>
<td>BLA 201</td>
<td>Legal Environment of Business</td>
<td>3</td>
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<tr>
<td>ECO 112</td>
<td>Principles of Economics (Micro)</td>
<td>3</td>
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<tr>
<td>ECO 251</td>
<td>Quantitative Business Analysis I</td>
<td>3</td>
</tr>
<tr>
<td>ECO 252</td>
<td>Quantitative Business Analysis II</td>
<td>3</td>
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<tr>
<td>FIN 325</td>
<td>Corporate Finance</td>
<td>3</td>
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<tr>
<td>MGT 200</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 313</td>
<td>Business and Society</td>
<td>3</td>
</tr>
</tbody>
</table>
B.S. IN MARKETING

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 108 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 Course
MKT 340 Personal Selling 1 3
MKT 350 Advertising & Buyer Behavior 1 3
MKT 360 Marketing Research 1 3
MKT 425 Marketing Strategy and Planning 1 3
MKT 440 Senior Seminar in Marketing 1 3
two additional 300-level or above MKT courses, of which only one course can be
MKT 460 1

Business Electives
300-level or above courses in ACC, BLA, ECO, FIN, INB, MGT, MIS, MKT, ENG 368,
or GEO 425 6

Free Electives
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.

Total Minimum Credits Required 120

1 A minimum grade of C must be attained in each of these and all MKT courses.
2 Course substitutions for MAT 107 are MAT 105 or MAT 110.
3 Course substitutions for MAT 108 are MAT 161 or MAT 162.

Degree Progress
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; courses offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

Year One
Semester One Credits
ECO 111 1 Principles of Economics (Macro) 3
WRT 120 Effective Writing I 3
SCI Gen Ed Course 3
Select one of the following: 3
MAT 105 Algebra, Functions, and Trigonometry 3
MAT 107 Algebra and Functions 3
MAT 110 Precalculus 3
Select one of the following:
PHI 101 Introduction to Philosophy 3
PHI 150 Critical Thinking and Problem Solving 3
PHI 180 Introduction to Ethics 3
Credits 15

Semester Two Credits
ECO 112 1 Principles of Economics (Micro) 3
HUM Gen Ed Course: HIS OR LIT 3
WRT 200 Level 3
MAT 108 or 161 1 Brief Calculus 3
SOC SCI Gen Ed Course 3
Year Two Credits 15
Semester Three
ACC 201 1 Financial Accounting 3
SPK 208 or 230 Public Speaking 3
MKT 250 1 Principles of Marketing 3
ECO 251 1 Quantitative Business Analysis I 3
MGT 200 1 Principles of Management 3
Credits 15

Semester Four
ACC 202 Managerial Accounting 3
BLA 201 Legal Environment of Business 3
ECO 252 Quantitative Business Analysis II 3
SCI Gen Ed Course 3
Free Elective 3
Credits 15

Year Three Credits 15
Semester Five
FIN 325 Corporate Finance 3
MGT 313 (WE) Business and Society 3
MKT 360 Marketing Research 3
MKT 340 Personal Selling 3
Diverse (J) Gen Ed Course 3
Credits 15

Semester Six
Free Elective 3
Interdisciplinary (I) Gen Ed Course 3
ART Gen Ed Course 3
MKT 350 Advertising Buyer Behavior 3
MGT 341 Production and Operations Management 3
Credits 15

Year Four Credits 15
Semester Seven
300-400 MKT Elective 3
MKT Business Elective 3
300-400 MKT Elective 3
MKT 499 (WE) Business Policy and Strategy 3
Free Elective 3
Free Elective 3
Free Elective 3
Credits 15

Semester Eight
MKT 425 Marketing Strategy and Planning 3
MKT 440 Senior Seminar in Marketing 3
Free Elective 3
Free Elective 3
Free Elective 3
Credits 15

1 Prereqs to apply for the major.

To apply for the major, students must complete prereqs including:
• ECO 111, ECO 112, ECO 251, MGT 200, MGT 250, and ACC 201 (with a C or better in each course) PLUS complete both MAT 107 (or MAT 105 or MAT 110) and MAT 108 (or MAT 161 or MAT 162) with a C or better in at least one.
• Maintain a minimum cumulative GPA of 2.5
• Pass the Excel Skills Exam with a minimum grade of 88%
• Have completed a least 45 credit hours
• Majors must maintain a minimum GPA of 2.5 – a minimum grade of “C” is required for all major and core courses except for the MKT Business elective.
• Writing Emphasis (WE) Requirement:
  • >70 T credits; one 300-400 level
  • 40-70 T credits; 2 WE, including one 300-400 level
  • <40 T credits; 3 WE, including one 300-400 level
• List WEs: MGT 499, MGT 313, _____
• Internship (MKT 460) is not required but can be used to fill MKT Elective(s)
• Students must have a minimum of 120 credit hours to graduate; after completion of 90 credit hours, apply for graduation review.
DEPARTMENT OF MATHEMATICS

College of Arts & Sciences

25 University Avenue, Room 101
610-436-2440
Department of Mathematics (http://www.wcupa.edu/Academics/sch_cas_mat)

Kathleen Jackson (k.jackson@wcupa.edu), Chairperson
Lisa Marano (lmarano@wcupa.edu), Assistant Chairperson
Barbara Maleno (bmaleno@wcupa.edu), Secretary

The Department of Mathematics offers a program leading to the bachelor of arts degree in mathematics, a program leading to a bachelor of science degree in education, and a program leading to a bachelor of science in mathematics.

• The B.A. in Mathematics enables each student to receive the basic preparation for the career of his/her choice, such as college teaching, research, and service in industry and government. In all cases, the student receives a sound preparation for graduate study in the field of mathematics.

• The B.S. in Education - Mathematics focuses on a heavy concentration in mathematics while the student earns certification to teach mathematics on the middle, junior high, or senior high school levels.

• The B.S. in Mathematics provides students with a wide choice of career-oriented programs by allowing the declaration of a concentration in various branches of applied mathematics. The program is designed to position its graduates for a career in applied mathematics.

Students enrolled in this program are required to declare a concentration. Current concentrations include actuarial science, statistics, mathematics of finance, industrial mathematics, computational mathematics, and mathematics. Students generally spend most of the first two years taking core requirements common to all concentrations or certain prerequisites. Mathematics and cognates (courses in fields closely related to mathematics) required for a specific concentration are normally taken during the final two years of the program. The mathematics courses are aimed at linking the course content to applications in the real world. Cognates are aimed at demonstrating the pervasiveness and importance of mathematics in other applied-oriented disciplines.

The Student Handbook for Mathematics Majors should be consulted for current requirements in mathematics degree programs.

Programs

Majors in Mathematics
• B.A. in Mathematics (p. 346)
• B.S.Ed. in Mathematics (p. 353)
• B.S. in Mathematics - Actuarial Science Concentration (p. 347)
• B.S. in Mathematics - Computational Mathematics Concentration (p. 348)
• B.S. in Mathematics - Industrial Mathematics Concentration (p. 350)
• B.S. in Mathematics - Mathematical Finance Concentration (p. 351)
• B.S. in Mathematics - Statistics Concentration (p. 352)
• B.S. in Mathematics - Mathematics Concentration (p. 352)

Minors in Mathematics
• Mathematics (p. 355)
• PK-8 Grades Mathematics (p. 355)

Graduate Opportunities
See the graduate catalog for more information on the Mathematics program. (http://catalog.wcupa.edu/graduate/arts-sciences/mathematics)

Policies
• See undergraduate admissions information. (p. 11)
• See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

Advanced Placement Policy
Course credit for success on AP exams in mathematics is awarded as follows:

<table>
<thead>
<tr>
<th>AP Test</th>
<th>Score on AP Test 3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calculus AB</td>
<td>MAT 108</td>
<td>MAT 161</td>
<td>MAT 161</td>
</tr>
<tr>
<td>Calculus BC</td>
<td>MAT 161</td>
<td>MAT 162</td>
<td>MAT 162</td>
</tr>
<tr>
<td>Statistics</td>
<td>MAT 121</td>
<td>MAT 121</td>
<td>MAT 121</td>
</tr>
</tbody>
</table>

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 (rggallop@wcupa.edu) (2001)
B.S., Pennsylvania State University; M.S., Ph.D., Drexel University

Peter L. Gildeden (pfgildeden@wcupa.edu) (1995)
B.A., College of Wooster; M.A., Ph.D., Columbia University

Vyorel 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 (rrieger@wcupa.edu) (2000)
B.A., Bowdoin College; M.S., Ph.D., University of North Carolina

Waclaw Szymanski (wszymanski@wcupa.edu) (1985)
M.A., Jagiellonian University (Poland); Ph.D., D.Sc., Polish Academy of Sciences

Lin Tan (ltan@wcupa.edu) (1989)
B.S., M.A., Zhejian University; M.S., Ph.D., University of California, Los Angeles

Paul Wolfson (pwolfson@wcupa.edu) (1978)
A.B., Columbia University; M.S., Ph.D., University of Chicago

Associate Professors
Michael J. Fisher (mfisher@wcupa.edu) (2008)
B.S., Millersville University; M.S., Ph.D., Lehigh University

Shiv K. Gupta (sgupta@wcupa.edu) (1985)
B.S., M.S., Delhi University; M.S., University of Wisconsin; Ph.D., Case Western Reserve University

Clifford A. Johnston (cjohnston@wcupa.edu) (1992)
B.S.E., Mansfield University; M.A., Ph.D., Temple University

Lisa E. Marano (lmarano@wcupa.edu) (2002)
Assistant Chairperson, Mathematics
B.A., Rider University; M.S., Ph.D., Lehigh University

2015-2016 UNDERGRADUATE CATALOG 342
Scott McClintock (smcclintoc@wcupa.edu) (2007)
B.S., San Jose State University; M.S., M.A., Ph.D., University of Kentucky
Mark A. McKibben (mmckibben@wcupa.edu) (2013)
B.S., M.S., Ph.D., Ohio University
James McLaughlin (jmclaugh2@wcupa.edu) (2005)
B.S., University of Ulster; M.S., Queen's University Belfast; Ph.D., University of Illinois
Joseph G. Moser (jmoser@wcupa.edu) (1966)
B.S., Rose Polytechnic Institute; M.S., Purdue University

Assistant Professors
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
Daniel Robert Ilaria (dilaria@wcupa.edu) (2011)
B.A., Drew University; Ed.M., M.S., Ph.D., Rutgers University
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
Allison Kolpas (akolpas@wcupa.edu) (2011)
B.A., Reveille College; M.A., Ph.D., University of California, Santa Barbara
Kathleen M. McAneny (kmcaneny@wcupa.edu) (2014)
B.A., M.A., West Chester University of Pennsylvania; Ph.D., University of Delaware
Rosemary Sullivan (rsullivan@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

Instructor
Joann H. Kump (jkump@wcupa.edu) (2013)
B.S., Florida State University; M.A.T., Indiana University

Courses

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.
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.
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.
Typically offered in Fall, Spring & Summer.

MAT 105. Algebra, Functions, and Trigonometry. 3 Credits.
Topics include polynomial, rational, exponential, logarithmic, and trigonometric functions.
Typically offered in Fall & Summer.

MAT 107. 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 108 or MAT 109.
Math placement required.
Typically offered in Fall & Summer.

MAT 108. Brief Calculus. 3 Credits.
An intuitive approach to the calculus of one and several variables with emphasis on conceptual understanding and practical application.
Pre / Co requisites: MAT 108 requires prerequisites of C- or better in MAT105, MAT107 or MAT110 or appropriate placement.
Typically offered in Fall & Spring.

MAT 109. Calculus for the Life Sciences. 3 Credits.
An overview of differential and integral calculus, motivated through biological problems. Topics include mathematical modeling with functions, limits, continuity, differentiation, optimization, and integration. Graphing calculators are used as an aid in the application of calculus concepts and methods to realistic biological problems.
Pre / Co requisites: MAT109 Prerequisite requires a prerequisite of C or better in MAT105 or MAT110 or appropriate placement.
Typically offered in Fall, Spring & Summer.

MAT 110. Precalculus. 3 Credits.
A preparation for MAT 161, Calculus I. Topics include polynomial and rational functions, algebra of functions, graphs of functions, transcendental functions, trigonometry, series, induction, and complex numbers.
Typically offered in Fall, Spring & Summer.

MAT 121. Statistics. 3 Credits.
Basic concepts of statistics. Frequency distributions, measures of central tendency and variability, probability and theoretical distribution, significance of differences, and hypothesis testing. For nonmathematics majors.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

MAT 122. Introduction to Stats II. 3 Credits.
Continuation of MAT 121. Inference about the means, standard deviations and proportions, goodness of fit, analysis of variance, regression analysis, correlation, and nonparametric tests.
Typically offered in Spring.

MAT 151. Introduction to Discrete Mathematics. 3 Credits.
Set theory, Boolean logic, elementary combinatorics, proofs, simple graph theory, and simple probability.
Typically offered in Fall, Spring & Summer.

MAT 161. Calculus I. 4 Credits.
Differential and integral calculus of real-valued functions of a single real variable, with applications.
Pre / Co requisites: MAT 161 requires prerequisites of C or better in MAT 110 or SAT math score of 590 or better and successfully pass challenge exam.
Typically offered in Fall, Spring & Summer.

MAT 162. 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 MAT161.
Typically offered in Fall, Spring & Summer.

Typically offered in Fall, Spring & Summer.

Assistant Professors
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)
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Daniel Robert Ilaria (dilaria@wcupa.edu) (2011)
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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

Instructor
Joann H. Kump (jkump@wcupa.edu) (2013)
B.S., Florida State University; M.A.T., Indiana University
MAT 190. Topics in Mathematics. 3 Credits.
Topics announced at time of offering.
Consent: Add consent.

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 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 202. Elementary Functions and Essential Calculus II. 3 Credits.
Elementary functions from an advanced viewpoint with detailed discussions 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 prerequisites 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. This course counts toward the writing emphasis requirement.
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 209 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, eigenvalues, spectral theorem, and triangulation.
Pre / Co requisites: MAT 311 requires Concurrent or Prerequisite of MAT162.
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 212 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 233 requires prerequisite of MAT 102.
Typically offered in Fall & Spring.

MAT 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: MAT 319 requires CO-REQ or PREREQ of MAT 261.
Typically offered in Fall & Summer.

MAT 321. Combinations 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.

MAT 325. Computational Mathematics. 3 Credits.
An introduction to the use of the computer as an investigative tool in the filed of mathematics with emphasis on experimental techniques involving graphical and numerical displays.
Pre / Co requisites: MAT 325 requires prerequisite of MAT 162 with a “C” or better.
Typically offered in Spring.

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.

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 prerequisite of C or better in MAT 200, 261 and MAT 331.

MAT 334. 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 prerequisite of C or better in MAT 162.
Typically offered in Fall, Spring & Summer.

MAT 350. Foundations of Mathematics Education. 3 Credits.
Historical overview of mathematics education with emphasis on influential curricular programs, programs for exceptional students, implications of learning theory, significance of research, identification of current issues, organizational alternatives for the classroom, and evaluation resources.
Pre / Co requisites: MAT 350 requires prerequisites of MAT 261 and formal admission into teacher education.
Typically offered in Fall.

MAT 351. Methods for Teaching Children Math. 3 Credits.
Concepts, learning aids, syllabi, texts, and methods in elementary school mathematics.
Pre / Co requisites: MAT 351 requires prerequisites of MAT 101 and MAT 102.
Typically offered in Fall, Spring & Summer.

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 Fall, 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 prerequisite: MAT 121, 312, 313, 351, Field Clearances
and FATE.
Typically offered in Fall, Spring & Summer.

MAT 354. Techniques of Teaching Secondary School Mathematics. 3 Credits.
Techniques used in the presentation of specific mathematical concepts, associated materials,
including methods for exceptional students; levels of questioning, and motivational devices.
Scope and sequence of secondary mathematics topics. Criteria for text evaluation. Preview of
student teaching.
Pre / Co requisites: MAT 354 requires prerequisites of MAT 350 and EDS 306 and formal
admission into teacher education.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Spring.

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 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 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.
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 212 and MAT 233.

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 & Summer.

MAT 403. Fundamentals of Actuarial Science. 3 Credits.
An introduction to the actuarial models of life contingencies.
Pre / Co requisites: MAT 403 requires prerequisite of MAT 261 with a "C" or better.
Typically offered in Fall.

MAT 405. Special Topics in Mathematics. 3 Credits.
Topics announced at the time of offering.
Consent: Add consent.
Repeatable for Credit.

MAT 406. Mathematics of Finance. 3 Credits.
The focus of this course is to introduce the mathematical theory behind measurement of
interest, annuities, yield rates, amortization rates, and sinking funds.
Pre / Co requisites: MAT 406 requires prerequisite of MAT 261 with a "C" or better.
Typically offered in Fall.

MAT 409. Financial Calculus. 3 Credits.
An introduction to the mathematics behind derivative pricing and portfolio management.
Pre / Co requisites: MAT 409 requires prerequisite of MAT 261 with a "C" or better.
Typically offered in Spring.

MAT 411. Algebra I. 3 Credits.
Abstract algebra. Algebraic systems, groups, rings, integral domains, and fields.
Pre / Co requisites: MAT 411 requires prerequisite of C or better MAT 200, 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 prerequisite 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 prerequisite of C or better in MAT 200 and 261.
Typically offered in Spring & Summer.

MAT 415. Introduction to Cryptography. 3 Credits.
An introduction to the Mathematics of Cryptography.
Pre / Co requisites: MAT 415 requires prerequisite of MAT 161 and 151 OR MAT 161 and 200.
Typically offered in Spring.

MAT 421. Mathematical Statistics I. 3 Credits.
Probability theory, discrete and continuous random variables, distributions, and moment
generating functions. Statistical sampling theory, joint and interval estimation, test of
hypothesis, regression, and correlation.
Pre / Co requisites: MAT 421 requires prerequisite of C or better in MAT 261.
Typically offered in Fall.

MAT 422. Mathematical Statistics II. 3 Credits.
Probability theory, discrete and continuous random variables, distributions, and moment
generating functions. Statistical sampling theory, joint and interval estimation, test of
hypothesis, regression, and correlation.
Pre / Co requisites: MAT 422 requires prerequisite of C or better in MAT 421.
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 Spring.

MAT 425. Numerical Analysis. 3 Credits.
Numerical methods for the approximate solution of applied problems. Interpolation theory,
curve fitting, approximate integration, and numerical solution of differential equations.
Pre / Co requisites: MAT 425 requires prerequisites of C or better in MAT 261, MAT 325, MAT
343 and CSC 141.
Typically offered in Fall.

MAT 427. 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.

MAT 432. Topology. 3 Credits.
Elements of point set topology. Separation axioms. Connectedness, compactness, and
metrizability.
Pre / Co requisites: MAT 432 requires prerequisite of C or better in MAT 200 and 261.
MAT 441. Advanced Calculus I. 3 Credits.
A rigorous treatment of the calculus of a single real variable. Topics in several real variables
and an introduction to Lebesgue integration.
Pre / Co requisites: MAT 441 requires prerequisite of C or better in MAT 200 and 261.
Typically offered in Fall, Spring & Summer.

MAT 442. Real Analysis II. 3 Credits.
A rigorous treatment of the calculus of a single real variable. Topics in several real variables
and an introduction to Lebesgue integration.
Pre / Co requisites: MAT 442 requires prerequisite of C or better in MAT 441.

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 in MAT 261, MAT 311 and MAT 343.
Typically offered in Fall.

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 491. Internship in Applied Mathematics. 2-4 Credits.
In cooperation with regional businesses and industrial companies, student will perform an
internship in applied mathematics.
Repeatable for Credit.

MAT 493. Mathematical Modeling. 3 Credits.
The idea of a mathematical model of a real situation. Techniques and rationales of model
building. Examples from the life, physical, and social sciences.
Pre / Co requisites: MAT 493 requires prerequisites of C or better in MAT 261 and C or better in
MAT 343.

MAT 499. Independent Study in Mathematics. 1-3 Credits.
Independent investigation of an area of mathematics not covered in the department's course
offerings.
Consent: Add consent.
Repeatable for Credit.

MAT Q00. Fundamentals of Algebra. 3 Credits.
A preparatory course to remediate basic algebraic skills. Students scoring between 440-480
on the mathematics section of the Scholastic Aptitude Test (SAT) and who do not pass the
mathematics test during their orientation program are placed in this course prior to any other
mathematics course. Credits earned in 000-level courses do not count towards the 128 hours of
credit needed for graduation. The course must be passed with a grade of C- or better, or be
repeated. Please note: This is a developmental course and the credits do not count towards
degree completion.

MAT 401. Preparatory Math. 3 Credits.
A course designed to remediate basic arithmetic skills and to introduce elementary algebra.
In general, students placed in MAT 401 have scored below 440 on the math SAT and have
not taken high school algebra. Students are being prepared to take Fundamentals of Algebra
(MAT 000) and must earn at least a ‘C’ to enroll in that course. A student in MAT 401 does not
earn credit toward graduation for this course. Elementary and special education majors in
need of algebraic and/or arithmetic remediation must enroll in MAT 501. Please note: This is a
developmental course and the credits do not count towards degree completion.

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 102.

STA

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.
Typically offered in 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.
Typically offered in Spring.

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: STA321 requires prerequisite of STA311, STA320 and MAT421.
Typically offered in Spring.

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.
Typically offered in Spring.

B.A. IN MATHEMATICS

College of Arts & Sciences
Curriculum

General Education Requirements (http://catalog.wcupa.edu/
undergraduate/general-education-requirements)

Academic Foundations requirements 12

English Composition (6 credits)

Math (3 credits)

Public Speaking (3 credits)

Science requirements 6

Behavioral & Social Science requirements 6

Humanities requirements 6

Arts requirement 3

Diverse Communities requirement 3

Interdisciplinary requirement 3

Student Electives 9

Additional Baccalaureate Requirements

Writing Emphasis requirements 9

Language Requirement

Demonstrating language proficiency through the intermediate level (202). 3-12

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 3

MAT 411  Algebra I 3

MAT 421  Mathematical Statistics I 3

MAT 441  Advanced Calculus I 3

Mathematics Electives

Selected from upper-division (300 level or higher) mathematics courses, one in
each of the areas of algebra, analysis, and applied mathematics 21

Related/Cognate Requirements

CSC 141  Computer Science I 3

Interdisciplinary requirement

Diverse Communities requirement

Arts requirement

Humanities requirements

Science requirements

Language Requirement

Consent: Add consent.
Repeatable for Credit.
B.S. IN MATHEMATICS - ACTUARIAL SCIENCE CONCENTRATION

PHY 170  Physics I  4

Total Minimum Credits Required  120

1 Satisfies general education requirement.

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 adviser 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 (p. 271), biology (p. 199), chemistry (p. 206), earth sciences (p. 271), geology (p. 271), and physics (p. 398)), computer science (p. 219), economics (p. 236), or finance (p. 236), but other minors may be selected with the approval of the student's adviser and the mathematics chairperson.

All math major courses must be passed with a C- or better.

Degree Progress

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; courses offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

Year One  

Semester One  
MAT 161  Calculus I  4  
CSC 141  Computer Science I  3  
Language 101  3  
Gen Ed Humanities Course  3  
Gen Ed Arts Course  3  

Credits  16

Semester Two  
MAT 162  Calculus II  4  
MAT 200  The Nature of Mathematics  3  
WRT 120  Effective Writing I  3  
Language 102  3  
PHY 170  Physics I  4  

Credits  17

Year Two  

Semester Three  
MAT 261  Calculus III  4  
MAT 311  Linear Algebra  3  
WRT 200  Critical Writing and Research  3  
Language 201  3  
Minor Elective  3  

Credits  16

Semester Four  
MAT 441  Advanced Calculus I  3  
Applied Math Elective  3  
Language 202  3  
Minor Elective  3  
Gen Ed Behavioral/Social Science Course  3  

Credits  15

Year Three  

Semester Five  
MAT 411  Algebra I  3  
MAT 421  Mathematical Statistics I  3  
IW Course  3  
Minor Elective  3  
Gen Ed Elective  3  

Credits  15

Semester Six  
MAT 441  Advanced Calculus I  3  
Algebra Elective  3  
Minor Elective  3  
Math Elective  3  
JW Course  3  

Credits  15

Year Four  

Semester Seven  
Analysis Elective  3  
Math Elective  3  
Minor Elective  3  
Gen Ed Humanities Course  3  
Gen Ed Elective  3  

Credits  15

Semester Eight  
Math Elective  3  
Minor Elective  3  
Gen Ed Behavioral/Social Science Course  3  
Gen Ed Elective  3  
Free Elective  3  

Credits  15

B.S. IN MATHEMATICS - ACTUARIAL SCIENCE CONCENTRATION

College of Arts & Sciences

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

Academic Foundations requirements  12
English Composition (6 credits)  
Math (3 credits)  
Public Speaking (3 credits)  
Science requirements  6  
Behavioral & Social Science requirements  6  
Humanities requirements  6  
Arts requirement  3  
Diverse Communities requirement  3  
Interdisciplinary requirement  3  
Student Electives  9  

Additional Baccalaureate Requirements

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  3  
MAT 319  Applied Statistics  3  
MAT 343  Differential Equations  3  
MAT 403  Fundamentals of Actuarial Science  3  
MAT 406  Mathematics of Finance  3  

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MAT 421 Mathematical Statistics I 3
MAT 422 Mathematical Statistics II 3
MAT 423 Applied Probability 3
STA 311 Intro Statistical Computing and Data Management 3
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
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
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.

Degree Progress
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; courses offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

Year One
Semester One
MAT 161 Calculus I 4
ACC 201 Financial Accounting 3
Gen Ed Arts 3
Gen Ed Humanities 3
Gen Ed Science 3
Credits 16
Semester Two
MAT 162 Calculus II 4
MAT 200 The Nature of Mathematics 3
WRT 120 Effective Writing I 3
SPK 230 Business and Professional Speech Communication 3
ECO 111 Principles of Economics (Macro) 3
Credits 16

Year Two
Semester Three
MAT 261 Calculus III 4
MAT 311 Linear Algebra 3
ECO 112 Principles of Economics (Micro) 3
WRT 200 Critical Writing and Research 3
Gen Ed Science 3
Credits 16
Semester Four
MAT 319 Applied Statistics 3
MAT 343 Differential Equations 3
FIN 325 Corporate Finance 3
Gen Ed Elective 3
Credits 16

Year Three
Semester Five
MAT 421 Mathematical Statistics I 3
FIN 330 Principles of Insurance 3
IW Course 3
Free Elective 3
Gen Ed Elective 3
Credits 15
Semester Six
MAT 423 Applied Probability 3
MAT 422 Mathematical Statistics II 3
ECO 340 Intermediate Microeconomics 3
JW Course 3
Free Elective 3
Credits 15

Year Four
Semester Seven
MAT 406 Mathematics of Finance 3
ENG 368 (W) Business and Organizational Writing 3
Gen Ed Humanities 3
Gen Ed Elective 3
Elective 3
Credits 15
Semester Eight
MAT 403 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

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.

B.S. IN MATHEMATICS - COMPUTATIONAL MATHEMATICS CONCENTRATION
Arts requirement 3
Diverse Communities requirement 3
Interdisciplinary requirement 3
Student Electives 9

Additional Baccalaureate Requirements
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 3
MAT 319 Applied Statistics 3
MAT 325 Computational Mathematics 3
MAT 343 Differential Equations 3
MAT 413 Computer Algebra 3
MAT 425 Numerical Analysis 3
MAT 427 Introduction to Optimization Techniques 3
or MAT 493 Mathematical Modeling
MAT 443 Applied Analysis I 3

Related/Cognate Requirements
Select one of the following: 3
ENG 368 Business and Organizational Writing
ENG 371 Technical Writing
CSC 141 Computer Science I 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

1 Indicates course satisfies a general education requirement.
All math major courses must be passed with a C or better.

Degree Progress
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; courses offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

Year One
Semester One Credits
MAT 151 Introduction to Discrete Mathematics 3
MAT 161 Calculus I 4
CSC 141 Computer Science I 3
Gen Ed Arts Course 3
Gen Ed Humanities Course 3
Credits 16

Semester Two
MAT 162 Calculus II 4
MAT 200 The Nature of Mathematics 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
Credits 16

Year Two
Semester Three Credits
MAT 261 Calculus III 4
MAT 311 Linear Algebra 3
CSC 240 Computer Science III 3
WRT 200 Critical Writing and Research 3
Gen Ed Elective 3
Credits 16

Semester Four
MAT 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 Credits
MAT 325 Computational Mathematics 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 3
ENG 368 (W) Business and Organizational Writing 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
Free Electives 6-9
Credits 14-19

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.
B.S. IN MATHEMATICS - INDUSTRIAL MATHEMATICS CONCENTRATION

College of Arts & Sciences

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

Academic Foundations requirements 12
- English Composition (6 credits)
- Math (3 credits)
- Public Speaking (3 credits)

Science requirements 6
- Behavioral & Social Science requirements 6
- Humanities requirements 6
- Arts requirement 3
- Diverse Communities requirement 3
- Interdisciplinary requirement 3

Student Electives 9

Additional Baccalaureate Requirements

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 3
MAT 319 Applied Statistics 3
MAT 325 Computational Mathematics 3
MAT 343 Differential Equations 3
MAT 413 Computer Algebra 3
MAT 425 Numerical Analysis 3
MAT 427 Introduction to Optimization Techniques 3
or MAT 493 Mathematical Modeling 3
MAT 443 Applied Analysis I 3
MAT 445 Complex Variables 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 3

PHY 170 Physics I 4
PHY 180 Physics II 4

PHY 240 Introduction to Modern Physics 3
PHY 300 Mechanics 3
PHY 350 Heat and Thermodynamics 3

Free Electives or Internship

Select 16 semester hours of electives and/or internship (chosen under advisement) 16

Total Minimum Required Credits 120

Degree Progress

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; courses offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

<table>
<thead>
<tr>
<th>Year One</th>
<th>Semester One</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MAT 161 Calculus I</td>
<td>4</td>
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</tr>
<tr>
<td>CSC 141 Computer Science I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Gen Ed Arts</td>
<td>3</td>
<td></td>
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<tr>
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<td>Gen Ed Behavioral/Social Science</td>
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<tr>
<td><strong>Credits</strong></td>
<td><strong>16</strong></td>
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<table>
<thead>
<tr>
<th>Year Two</th>
<th>Semester Two</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MAT 162 Calculus II</td>
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<tr>
<td>MAT 200 The Nature of Mathematics</td>
<td>3</td>
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<tr>
<td>PHY 170 Physics I</td>
<td>4</td>
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<tr>
<td>WRT 200 Critical Writing and Research</td>
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<td>Gen Ed Elective</td>
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<tr>
<td><strong>Credits</strong></td>
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<tr>
<th>Year Three</th>
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<th>Credits</th>
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<tbody>
<tr>
<td>MAT 261 Calculus III</td>
<td>4</td>
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<tr>
<td>MAT 311 Linear Algebra 1</td>
<td>3</td>
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<tr>
<td>PHY 180 Physics II</td>
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<td>WRT 200 Critical Writing and Research</td>
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<tr>
<td>Gen Ed Behavioral/Social Science</td>
<td>3</td>
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<tr>
<td>Free Elective</td>
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<td><strong>Credits</strong></td>
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<tr>
<th>Year Four</th>
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<tbody>
<tr>
<td>MAT 325 Computational Mathematics</td>
<td>3</td>
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<tr>
<td>MAT 413 Computer Algebra</td>
<td>3</td>
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<tr>
<td>PHY 240 Introduction to Modern Physics</td>
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<td>IW Course</td>
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<td>Gen Ed Elective</td>
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<td><strong>Credits</strong></td>
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<tr>
<th>Year Five</th>
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<tbody>
<tr>
<td>MAT 343 Differential Equations</td>
<td>3</td>
<td></td>
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<tr>
<td>PHY 300 Mechanics</td>
<td>3</td>
<td></td>
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<tr>
<td>JW Course</td>
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<tr>
<td>Free Elective</td>
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<td><strong>Credits</strong></td>
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<tr>
<th>Year Six</th>
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<tbody>
<tr>
<td>MAT 443 Applied Analysis I</td>
<td>3</td>
<td></td>
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<tr>
<td>MAT 445 Complex Variables</td>
<td>3</td>
<td></td>
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<tr>
<td>PHY 300 Mechanics</td>
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<td>JW Course</td>
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<td>Free Elective</td>
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<td><strong>Credits</strong></td>
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<tr>
<th>Year Seven</th>
<th>Semester Seven</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENG 368 Business and Organizational Writing</td>
<td>3</td>
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<tr>
<td>MAT 425 Numerical Analysis</td>
<td>3</td>
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<tr>
<td><strong>Credits</strong></td>
<td><strong>15</strong></td>
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</table>

2 CSC 141, a three semester hour course, is used to fulfill three semester hours of the General Education Science requirement.

1 Indicates course satisfies a general education requirement.

All math major courses must be passed with a C or better.
Gen Ed Humanities 3
Gen Ed Elective 3
Free Elective 3

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<tr>
<th>Credits</th>
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<tr>
<td>Semester Eight</td>
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<tr>
<td>MAT 493 Mathematical Modeling 3</td>
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<tr>
<td>MAT 491 Internship in Applied Mathematics 2-4</td>
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<tr>
<td>PHY 350 Heat and Thermodynamics 3</td>
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<tr>
<td>Free Elective 6</td>
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</table>

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.

1. MAT 311, a three-semester hour course, is used to fulfill three semester hours of the General Education Mathematics requirement.

2. PHY 170, a four-semester hour course, and CSC 141, a three-semester hour course, are used to fulfill six semester hours of the General Education Science requirement.

B.S. IN MATHEMATICS - MATHEMATICAL FINANCE CONCENTRATION

College of Arts & Sciences

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

Academic Foundations requirements 12

- English Composition (6 credits)
- Math (3 credits)
- Public Speaking (3 credits)

Science requirements 6

- Behavioral & Social Science requirements 6
- Humanities requirements 6
- Arts requirement 3
- Diverse Communities requirement 3
- Interdisciplinary requirement 3
- Student Electives 9

Additional Baccalaureate Requirements

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 3
MAT 319 Applied Statistics 3
MAT 343 Differential Equations 3
MAT 406 Mathematics of Finance 3
MAT 409 Financial Calculus 3
MAT 421 Mathematical Statistics I 3
MAT 422 Mathematical Statistics II 3
MAT 423 Applied Probability 3
MAT 443 Applied Analysis I 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
- ACC 201 Financial Accounting 3
- CSC 141 Computer Science I 3
- ECO 111 Principles of Economics (Macro) 3
- ECO 112 Principles of Economics (Micro) 3
- FIN 325 Corporate Finance 3
- FIN 337 Financial Markets and Institutions 3
- FIN 344 Investments 3
- PHY 170 Physics I 4

Free Electives or Internship

Select 20 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.

Degree Progress

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.

<table>
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<tr>
<th>Year One</th>
<th>Credits</th>
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<tr>
<td>Semester One</td>
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<tr>
<td>MAT 161 Calculus I 4</td>
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<tr>
<td>ACC 201 Financial Accounting 3</td>
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<td>CSC 141 Computer Science I 3</td>
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<td>Gen Ed Humanities 3</td>
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<td>Gen Ed Behavioral/Social Science 3</td>
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<td>16</td>
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<td>Semester Two</td>
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<tr>
<td>MAT 162 Calculus II 4</td>
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<tr>
<td>MAT 200 The Nature of Mathematics 3</td>
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<td>PHY 170 Physics I 4</td>
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<td>WRT 120 Effective Writing I 3</td>
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<td>SPK 230 Business and Professional Speech Communication 3</td>
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<td>Semester Three</td>
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<td>MAT 261 Calculus III 4</td>
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<td>MAT 311 Linear Algebra 3</td>
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<tr>
<td>ECO 111 Principles of Economics (Macro) 3</td>
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<td>WRT 200 Critical Writing and Research 3</td>
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<td>16</td>
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<td>Semester Four</td>
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<td>MAT 319 Applied Statistics 3</td>
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<td>MAT 343 Differential Equations 3</td>
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<td>ECO 112 Principles of Economics (Micro) 3</td>
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<td>Gen Ed Elective 3</td>
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<td>Free Elective 3</td>
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<td>15</td>
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<tr>
<td>Semester Five</td>
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<tr>
<td>MAT 421 Mathematical Statistics I 3</td>
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</tbody>
</table>
FIN 325 Corporate Finance 3
IW Course 3
Gen Ed Elective 3
Free Elective 3

Credits 15

Semester Six
MAT 422 or 423 Mathematical Statistics II 3
FIN 344 Investments 3
JW Course 3
Gen Ed Humanities 3
Free Elective 3

Credits 15

Year Four
Semester Seven
MAT 406 Mathematics of Finance 3
MAT 443 Applied Analysis I 3
ENG 368 (W) Business and Organizational Writing 3
Gen Ed Elective 3
Free Elective 3

Credits 15

Semester Eight
MAT 409 Financial Calculus 3
MAT 491 Internship in Applied Mathematics 3
Gen Ed Arts 3
Free Elective 3

Credits 11-13

Notes:
1. MAT 311, a three semester hour course, is used to fulfill three semester hours of the General Education Mathematics requirement.
2. PHY 170, a four semester hour course, and CSC 141, a three semester hour course, are used to fulfill six semester hours of the General Education Science requirement.
3. ECO 111, a three semester hour course, is used to fulfill three semester hours of the General Education Social and Behavioral Science requirement.
4. 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.

B.S. IN MATHEMATICS - STATISTICS CONCENTRATION

Curriculum

General Education Requirements

Academic Foundations requirements 12
   English Composition (6 credits)
   Math (3 credits)
   Public Speaking (3 credits)
Science requirements 6
Behavioral & Social Science requirements 6
Humanities requirements 6
Arts requirement 3
Diverse Communities requirement 3
Interdisciplinary requirement 3
Student Electives 9

Additional Baccalaureate Requirements

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 3
MAT 343 Differential Equations 3
MAT 411 Algebra I 3
MAT 421 Mathematical Statistics I 3
MAT 441 Advanced Calculus I 3
MAT 445 Complex Variables 3

Select 18 semester hours from upper-division (300 level or higher) mathematics courses; at least one course each in analysis, applied mathematics, and algebra

Related/Cognate Requirements

Select one of the following:
   ENG 368 Business and Organizational Writing 3
   ENG 375 Strategies for Writing in the Workplace 3
   ENG 371 Technical Writing 3
   CSC 141 Computer Science I 3
   MAT 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)
Total Minimum Credits Required 120

Indicates course satisfies a general education requirement.
All math major courses must be passed with a C or better.

Degree Progress

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 MATHEMATICS - STATISTICS CONCENTRATION

Curriculum

General Education Requirements

Academic Foundations requirements 12
   English Composition (6 credits)
   Math (3 credits)
Science requirements 6
Behavioral & Social Science requirements 6
Humanities requirements 6
Arts requirement 3
Diverse Communities requirement 3
Interdisciplinary requirement 3
Student Electives 9

Additional Baccalaureate Requirements
Writing Emphasis requirements 9

Major Requirements
MAT 121 Statistics 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
MAT 319 Applied Statistics 3
MAT 343 Differential Equations 3
MAT 421 Mathematical Statistics I 3
MAT 422 Mathematical Statistics II 3
MAT 423 Applied Probability 3
STA 311 Intro Statistical Computing and Data Management 3
STA 320 Experimental Design 3
STA 321 Topics in Advanced Statistics 3
STA 490 Capstone Course in 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

Student Electives
Select three electives from either pharmaceutical design, finance, economics, marketing, or computer science and approved by department chair 3

Supplemental Requirements 9
Free Electives or Internship
One MAT/STA course at the 300 level or higher (chosen under advisement) 3

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.

Degree Progress
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; courses offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

Year One
Semester One Credits
MAT 121 Statistics 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
SPK 230 Business and Professional Speech Communication 3

Credits 16

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
MAT 319 Applied Statistics 3
STA 311 Intro Statistical Computing and Data Management 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
IW 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 (W) Business and Organizational Writing 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
IW 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

B.S.ED. IN MATHEMATICS

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

Academic Foundations requirements 12
English Composition (6 credits)
Math (3 credits)
Public Speaking (3 credits)

Science requirements 6
Behavioral & Social Science requirements 6
Humanities requirements 6
Arts requirement 3
Diverse Communities requirement 3
Interdisciplinary requirement 3
Student Electives 9

Additional Baccalaureate Requirements
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 3
MAT 331 Foundations of Geometry 3
MAT 350 Foundations of Mathematics Education (credited to professional education) 3
MAT 354 Techniques of Teaching Secondary School Mathematics 3
MAT 401 History of Mathematics 3
MAT 411 Algebra I 3
MAT 414 Theory of Numbers 3
MAT 421 Mathematical Statistics I 3
MAT 441 Advanced Calculus I 3

Education Requirements
EDA 103 Foundations of Special Education 3
EDA 304 Special Ed Processes/Procedures for Secondary Educators 3

EDA 304 Special Ed Processes/Procedures for Secondary Educators 3

EDP 250 Educational Psychology 3

EDS 306 Teaching Principles and Field Experience in Secondary Schools 3

EDS 411 Student Teaching Sec - 1st Half 6
EDS 412 Student Teaching Sec - 2nd Half 6

HIS 444 History of American Education 3

LAN/ENG 382 Teaching English Language Learners PK-12 3

Related/Cognate Requirements
CSC 141 Computer Science I 3
PHY 170 Physics I 3

PHY 180 Physics II 4

Electives in Mathematics
Selected from upper-division (300 level or higher mathematics courses; at least one course in both applied mathematics and analysis) 9

Total Minimum Credits Required 125

1 Satisfies general education requirement.

All math major courses must be passed with C or better.
All students seeking a B.S.Ed. must formally apply for admission to teacher education. (See Educator Preparation Programs (p. 239) in this catalog.) Only those students formally admitted to teacher education will be eligible to enroll in MAT 354.

Degree Progress

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.

Year One
Semester One Credits
MAT 121 Statistics 3
MAT 161 Calculus I 4

WRT 120 Effective Writing I 3
SPI 208 or 230 Public Speaking 3
Gen Ed Humanities LIT 3

Credits 16

Semester Two
MAT 162 Calculus II 4
MAT 200 The Nature of Mathematics 3
Select one of the following:
WRT 200 Critical Writing and Research 3
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
Gen Ed Behavioral/Social Science 3
CSC 141 Computer Science I 3

Credits 16

Year Two
Semester Three
MAT 261 Calculus III 4
MAT 311 Linear Algebra 3

PHY 170 Physics I 4
EDA 103 Foundations of Special Education 3

PSY 100 Introduction to Psychology 3

Credits 17

Semester Four
MAT 441 Advanced Calculus I 3
PHY 180 Physics II 4
EDA 304 Special Ed Processes/Procedures for Secondary Educators 3

EDP 250 Educational Psychology 3
MAT Elective 3

Credits 16

Year Three
Semester Five
MAT 411 Algebra I 3

MAT 350 (“W” required) Foundations of Mathematics Education 3
MAT 421 Mathematical Statistics I 3

HIS 444 History of American Education 3
Gen Ed Elective 3

Credits 15

Semester Six
MAT 331 Foundations of Geometry 3
MAT 354 (“W” required) Techniques of Teaching Secondary School Mathematics 3

MAT 414 Theory of Numbers 3

LAN 382 or ENG 382 Teaching English Language Learners PK-12 3

EDR 347 (J) Literacy Development and Secondary Students with Disabilities in Inclusive Classrooms 3

Credits 15

Year Four
Semester Seven
EDS 411 Student Teaching Sec - 1st Half 6
EDS 412 Student Teaching Sec - 2nd Half 6

Credits 12
MINOR IN 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. 6

**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 MATHEMATICS: GRADES PRE K-8

College of Arts & Sciences

**Required courses**

- MAT 101 Mathematics for Teachers of Children I 3
- MAT 102 Mathematics for Teachers of Children II 3
- MAT 121 Statistics 3
- MAT 312 Algebra for Teachers in Grades 4-8 3
- MAT 313 Geometry for Teachers in Grades 4-8 3
- MAT 351 Methods for Teaching Children Math 3
- MAT 353 Methods for Teaching Middle School Mathematics 3
- MAT 390 Seminar in Mathematics Education 3

**Total Credits** 24

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.
MILITARY SCIENCE (ARMY ROTC)

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 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, 610-499-4097, or Major Richard Howett (rhowett@wcupa.edu), Campus Officer-in-Charge, West Chester University, Anderson Hall Room 331A, 610-430-4403.

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/apply principles of effective leading. 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 COREQ of MSI 201 or 202. Typically offered in Fall & Spring.

MSI 199. Transfer Credits. 1-50 Credits.
Transfer Credits. Repeatable for Credit.

MSI 201. Self-Team Development. 2 Credits.
Learn/apply ethics-based leadership skills that develop individual abilities and contribute to effective team building. Develop skills in oral presentations, writing concise, 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/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 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.
Music Tests - Bachelor of Music in Music Education

1. Each candidate must demonstrate skill in at least one performance medium in which he or she excels: piano, organ, voice, classical guitar, or a band or orchestra instrument. It is preferable, although not required, for pianists and vocalists to perform at least part of their audition from memory.

2. All candidates are tested in music theory, sight-singing, and piano.

3. Piano, organ, or voice majors with band or orchestra instrument experience may demonstrate their ability on their instruments.

NOTE: All candidates must bring music for the vocal, piano, and instrumental compositions they intend to perform.

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

Chris Hanning, Chairperson

See the Department of Applied Music for more information about courses in applied music (p. 153).

Music Education

J. Bryan Burton, Chairperson

See the Department of Music Education for more information about courses in music education (p. 359).

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. 365).
DEPARTMENT OF MUSIC EDUCATION

College of Visual & Performing Arts
110 Swope Music Building (Office of the Dean)
610-436-2739
Department of Music Education (http://www.wcupa.edu/cvpa/music/musicEdu/default.aspx)
J. Bryan Burton (jburton3@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 lifelong 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.

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.

MUE
MUE 101. Dalcroze in Music Education I. 0.5 Credits.
A study of integrating eurhythms, solfege, and improvisation to enhance students' listening, performing, and creating skills.

Policies
• See undergraduate admissions information. (p. 11)
• See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

Faculty
Professor
J. Bryan Burton (jburton3@wcupa.edu) (1991)
Chairperson, Music Education
B.M., West Texas State University; M.A., Western State College of Colorado; D.M.E., University of Southern Mississippi

Associate Professor
Ann McFarland (amcfarland@wcupa.edu) (1999)
B.M., Susquehanna University; M.Mus., Ph.D., Temple University

Assistant 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

MDA 240. Integrating the Arts within the Elementary Classroom. 3 Credits.
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MUE
MUE 101. Dalcroze in Music Education I. 0.5 Credits.
A study of integrating eurhythms, solfege, and improvisation to enhance students' listening, performing, and creating skills.

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. Consent: Add consent.

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.

MUE 232. Music in Early Childhood. 3 Credits.
Designed to equip the teacher of early childhood to develop specific concepts utilizing singing, rhythmic, and melodic activities. Emphasis on listening and movement to music.

MUE 235. Teaching the Children's Choir. 3 Credits.
This seminar will prepare the Music Education candidate to develop, administer, teach, and lead children's choirs. Candidates will gain hands on experience with management and rehearsal techniques. Class meets two times per week; 1 hour in class 2 hour lab. Repeatable for Credit.

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.

MUE 333. Instrumental Methods and Materials. 2 Credits.
Fundamentals underlying the development of instrumental programs in the public schools. Emphasis on program organization and administration, teaching procedures, and materials. Pre / Co requisites: MUE 333 requires prerequisites of VOC 311 or AIC 311 and formal admission into teacher education and co-requisite of MUE 331 or MUE 332.

MUE 335. Choral Methods and Materials. 2 Credits.
Designed to acquaint the student with a variety of choral music suitable for school use. Program planning and rehearsal techniques are demonstrated. Pre / Co requisites: MUE 335 requires prerequisites of VOC 311 or AIC 311 and formal admission into teacher education and co-requisite prerequisite of MUE 331 or MUE 332.

MUE 337. Instrumental Techniques and Materials. 2 Credits.
For juniors and seniors who desire to specialize in instrumental music. Considers rehearsal procedures, effective materials, minor repairs of instruments, competitions and festivals, and marching band procedures. Pre / Co requisites: MUE 337 requires prerequisite of VOC 311 or AIC 311 and formal admission into teacher education.

MUE 340. Fundamentals of Music Therapy. 3 Credits.
This course serves as an introduction to the music therapy profession. Students will learn about basic music therapy literature, current practice, and clinical applications of music as therapy through experiential learning, research, and writing. Pre / Co requisites: MUE 340 requires prerequisite of Music Major.

MUE 343. Related Arts Pedagogy In Music Education. 3 Credits.
Principles of related arts teaching applicable to musical elements, art, and creative movement, with appropriate teaching techniques at specified grade levels. Materials for school music programs; basal music series, other texts and literature, and resources in related arts. Demonstration lessons and unit planning.

MUE 431. Student Teaching I. 6 Credits.
Observation and participation in teaching vocal and instrumental music at the elementary level. Undertaken in conjunction with qualified cooperating teachers. Professional conferences and visits are an integral part of the experience. Pre / Co requisites: MUE 431 requires prerequisite of formal admission into teacher education. Act 34, Act 114, Act 151 clearances and TB test valid for semester. Consent: Add consent.
MUE 432. Student Teaching II. 6 Credits.
Observation and teaching general, vocal, and/or instrumental music at the secondary level. Professional conferences and visits are an integral part of the experience. Pre/Co requisites: MUE 432 requires prerequisite of formal admission into teacher education. Act 34, Act 114 and Act 151 clearances. TB test valid for semester. Consent: Add consent.

MUE Q01. Prof Qualifying Remediation. 0 Credits. Designed to present musicianship skills for students who have failed the Professional Qualifying Examination. Repeatable for Credit.

B.M. IN MUSIC EDUCATION
College of Visual & Performing Arts

Curriculum
The B.M. in Music Education is a balanced program of general, specialized, and professional courses leading to qualification for a Pennsylvania Instructional I Certificate to teach general, instrumental, and choral music in the elementary and secondary schools of Pennsylvania. The Handbook for Students in Music - Undergraduate Division should be consulted for the current general and music requirements. See the Educator Preparation Programs (p. 239) section of this catalog for an explanation of related requirements.

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)
Academic Foundations requirements 12
  English Composition (6 credits)
  Math (3 credits)
  Public Speaking (3 credits)
Science requirements 6
  Behavioral & Social Science requirements 6
  Humanities requirements 6
  Arts requirement 3
  Diverse Communities requirement 3
  Interdisciplinary requirement 3
  Student Electives 9
Additional Baccalaureate Requirements
Writing Emphasis requirements 9

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

Music Education Requirements
Professional qualifying test
MUE 201  Music Education Seminar 0.5
MUE 220  Teaching Special Learners in the Music Classroom 2
MUE 331  Music Methods and Materials I 3
MUE 332  Music Methods and Materials II 3
MUE 333  Instrumental Methods and Materials 2
MUE 335  Choral Methods and Materials 2
MUE 431  Student Teaching I 6

MUE 432  Student Teaching II 6

Other Music Requirements
Recital Attendance
Major performing instrument, applied music courses, conducting, music organizations, or repertoire classes 35-38

Education Courses
EDP 250  Educational Psychology 3
LAN/ENG 382  Teaching English Language Learners PK-12 3
EDA 103  Foundations of Special Education 3
EDR 345  Literacy Development and Students in Inclusive Classrooms 3
or EDR 347  Literacy Development and Secondary Students with Disabilities in Inclusive Classrooms

Total Minimum Credits Required 126

Degree Progress
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; courses offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

B.M. Music Performance and Education: Instrument
Prior to semester 1: Complete clearances

<table>
<thead>
<tr>
<th>Year One</th>
<th>Semester One</th>
<th>Credits</th>
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<tr>
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<td>CHO 211 or 212 Men's Chorus</td>
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<td>PIA 191 Piano Class (Minor)</td>
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<td>VOI 191 Voice Class (Minor)</td>
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<td>WRT 120 (General Effective Writing I Education Course)</td>
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<td>CHO 211 or 212 Men's Chorus</td>
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<td>PIA 192 Piano Class (Minor)</td>
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<td>VOI 192 Voice Class (Minor)</td>
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<td>General Education Course (LIT, CLS, or WRT)</td>
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<td>PAPA Exam</td>
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### Year Two

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<tr>
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<td>MTC 212</td>
<td>Theory of Music III</td>
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<td>MTC 214</td>
<td>Aural Activities III</td>
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<td>Major Lessons</td>
<td>___ 142</td>
<td>3</td>
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<tr>
<td>Major Ensemble</td>
<td>AEB/AEO/AES</td>
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<td>PIA 291</td>
<td>Piano class</td>
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<td>VOL 291</td>
<td>Voice Class</td>
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<td>MUE 201</td>
<td>Music Education Seminar</td>
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<td>EDA 103</td>
<td>Foundations of Special Education</td>
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<td>General Education Course (LIT or WRT)</td>
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Recital Attendance

### Year Three

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<td>MHL 211</td>
<td>Music History II</td>
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<td>Major Lessons</td>
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<td>Minor Lesson</td>
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<td>Small Ensemble</td>
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<td>AEB/AEO/AES</td>
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<td>EDP 250</td>
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<td>AEB 101</td>
<td>Elementary Band</td>
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<td>AIC 311</td>
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<td>MTC 341</td>
<td>Orchestration</td>
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<td>MHL 212</td>
<td>Music History III</td>
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<td>3</td>
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<td>Minor Lessons</td>
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<td>Major Ensemble</td>
<td>AEB/AEO/AES</td>
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<td>Small Ensemble</td>
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<td>ENG 382</td>
<td>Teaching English Language Learners PK-12</td>
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<td>AEO 101</td>
<td>Elementary Orchestra</td>
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General Education Course

2.8 Cumulative GPA
Formal Admission to Teacher Education (FATE)
School of Music Education Application
Recital Attendance

### Year Four

<table>
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<td>MUE 331</td>
<td>Music Methods and Materials I</td>
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<td>MUE 333</td>
<td>Instrumental Methods and Materials</td>
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<td>AIC 312</td>
<td>Instrumental Conducting II</td>
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Praxis II - Fundamental Subjects

### Semester Eight

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Elective

### Year Five

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<th>Semester Nine</th>
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<tr>
<td>Student Teaching I</td>
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<tr>
<td>Student Teaching II</td>
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### Semester Ten

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<td>Complete Clearances</td>
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<td>Major Lessons</td>
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<td>General Education Course (Public Speaking)</td>
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### Credits

1. Course prerequisite for MUE 331.
2. Grade of C- or higher required.
3. Course availability varies; may be interchanged with another course.
B.M. Music Education & Performance: Keyboard

Prior to semester 1: Complete clearances

<table>
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<th>Year One</th>
<th>Semester One</th>
<th>Credits</th>
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<tr>
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<tr>
<td>MTC 112</td>
<td>Theory of Music I</td>
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<tr>
<td>MTC 114</td>
<td>Aural Activities I</td>
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<tr>
<td>PIA 111</td>
<td>Piano Private Lesson</td>
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<td>VOI 191</td>
<td>Voice Class (Minor)</td>
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<td>Major Choir - CHO</td>
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<tr>
<td>MUE 201</td>
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<td>WRT 120</td>
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<tr>
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| Credits | 17.5 |

<table>
<thead>
<tr>
<th>Year Two</th>
<th>Semester Three</th>
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<tbody>
<tr>
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<tr>
<td>MTC 212</td>
<td>Theory of Music III</td>
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<td>MTC 214</td>
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<tr>
<td>MHL 210</td>
<td>Music History I</td>
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<tr>
<td>PIA 142</td>
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<td>Major Choir - CHO</td>
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<tr>
<td>Instrumental Class</td>
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<tr>
<td>EDA 103 or EDP</td>
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<td>General Education Course (LIT or WRT)</td>
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| Credits | 18 |

<table>
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<tr>
<th>Year Three</th>
<th>Semester Five</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Counterpoint - MTC</td>
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<tr>
<td>MHL 212</td>
<td>Music History III</td>
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<tr>
<td>PIA 241</td>
<td>Advanced Piano Private Lesson (B.M.)</td>
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<td>Minor Lessons - 101</td>
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<td>VOC 311</td>
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| Credits | 15.5 |

<table>
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<tr>
<th>Year Four</th>
<th>Semester Seven</th>
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<td>PIA 341</td>
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<td>Minor Lessons - 102</td>
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<td>Studio Voice III - 201</td>
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<tr>
<td>PIA 223</td>
<td>Classroom Piano Skills-Inst/Vocal</td>
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<td>Piano Course - PIA</td>
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<tr>
<td>Master Class - MAK</td>
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<tr>
<td>ENG 382</td>
<td>Teaching English Language Learners PK-12</td>
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<tr>
<td>AEB 101</td>
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<td>VOF 312</td>
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| Credits | 15.5 |

<table>
<thead>
<tr>
<th>Year Five</th>
<th>Semester Eight</th>
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<tr>
<td>PIA 342</td>
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<td>Minor Lessons - 201</td>
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<td>PIA 235</td>
<td>Keyboard Repertoire</td>
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<tr>
<td>MHL 333</td>
<td>Music Methods and Materials I</td>
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<tr>
<td>MUE 333</td>
<td>Instrumental Methods and Materials</td>
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<td>AEO 101</td>
<td>Elementary Orchestra</td>
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<td>Praxis II - Fundamental Subjects</td>
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<td>Elective</td>
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</table>

| Credits | 16 |

2015-2016 UNDERGRADUATE CATALOG
B.M. IN MUSIC EDUCATION

Year Five
Semester Nine
Student Teaching I 4
Student Teaching II 4
Elective

Semester Ten
Complete Clearances
PIA 112 (if PIA 111 1st semester) 1.5
Piano Course - PIA 4
Master Class - MAK 4
General Education Course 2
General Education Course 2
General Education Course 2
General Education Course 2

Credits 17.5

1 Course prerequisite for MUE 331.
2 Grade of C- or higher required.
3 Course availability varies; may be interchanged with another course.
4 Grade of C or higher required.

B.M. Music Performance and Education: Voice

Year One
Semester One
Credits
MTC 112 1,2 Theory of Music I 3
MTC 114 1,2 Aural Activities I 2
VOI 111 Voice Private Lesson 1.5
Major Choir - CHO 0.5
PIA 191 Piano Class (Minor) 0.5
VOC 135 International Phonetic Alphabet (IPA) 0.5
Instrument Class 0.5
MUE 201 Music Education Seminar 0.5
WRT 120 (General Education Course) 1
Recital Attendance

Credits 15

Semester Two
Credits
MTC 113 1,2 Theory of Music II 3
MTC 115 1,2 Aural Activities II 2
VOI 141 Advanced Voice Major Private Lesson (B.M.) 3
Major Choir - CHO 0.5
PIA 192 Piano Class (Minor) 0.5
Instrument Class 0.5
Instrument Class 0.5
General Education Course (LIT, CLS, or WRT) 1,3 3

Credits 15

Year Two
Semester Three
Credits
MTC 212 1 Theory of Music III 3
VOI 142 Advanced Voice Major Private Lesson (B.M.) 3
Major Choir - CHO 0.5
PIA 291 Piano class 1
Vocal Diction - VOC 1
Vocal Master Class - VOC 1
EDA 103 1,3 Foundations of Special Education 3
General Education Course (LIT or WRT) 1,3 3
Recital Attendance

Credits 17.5

Semester Four
Credits
Complete Clearances
MTC 213 Theory of Music IV 3
MTC 215 Aural Activities IV 2
MHL 210 2 Music History I 3
VOI 241 Advanced Voice Major Private Lesson (B.M.) 3
CHO 211 or 212 Men's Chorus 0.5
PIA 292 Piano Class 1
Vocal Diction - VOC 1
Vocal Master Class - VOC 1.5
Instrument Class 0.5
MUE 220 1,3 Teaching Special Learners in the Music Classroom 2
Professional Qualifying Test
Recital Attendance

Credits 18
ENG 382  Teaching English Language Learners PK-12  3  
VOC 312  Choral Conducting II  2

2.8 Cumulative GPA

Formal Admission to Teachers Education (FATE)

School of Music Education Application

Recital Attendance

### Credits 18

#### Year Four

<table>
<thead>
<tr>
<th>Semester Seven</th>
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<tbody>
<tr>
<td>VOI 342</td>
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<td>Major Choir - CHO</td>
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<td>PIA 334</td>
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<td>PIA 201</td>
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<tr>
<td>MUE 331</td>
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<tr>
<td>MUE 333</td>
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<tr>
<td>AEB 101</td>
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General Education Course\(^1\)  3

Praxis II - Fundamental Subjects

### Credits 16.5

#### Semester Eight

Complete Clearances

| VOI 441  | Advanced Voice Major Private Lesson (B.M.)  | 3 |
| Major Choir - CHO |  | 0.5 |
| VOI 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 or 347  | Literacy Development and Students in Inclusive Classrooms  | 3 |
| AEO 101  | Elementary Orchestra  | 0.5 |

General Education Course\(^2\)  3

Praxis II - Music Content

### Credits 16.5

#### Year Five

<table>
<thead>
<tr>
<th>Semester Nine</th>
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<tbody>
<tr>
<td>MUE 431</td>
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<td>MUE 432</td>
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Elective  3

### Credits 15

#### Semester Ten

Complete Clearances

| VOI 442  | Advanced Voice Major Private Lesson (B.M.)  | 3 |
| VOI 424  | Musico-Dramatic Production  | 1 |
| General Education Course\(^3\) |  | 3 |

General Education Course\(^4\)  3

General Education Course\(^5\)  3

General Education Course\(^6\)  3

### Credits 16

1. Course prerequisite for MUE 331.
2. Grade of C- or higher required.
3. Course availability varies; may be interchanged with another course.
DEPARTMENT OF MUSIC THEORY, HISTORY AND COMPOSITION

College of Visual & Performing Arts
110 Swope Music Building (Office of the Dean)
610-436-2739
Department of Music Theory, History, and Composition (http://www.wcupa.edu/cvpa/music/musicTheory/default.aspx)
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

- B.M. in Theory and Composition with a Concentration in Theory/Composition (p. 368)
- B.M. in Theory and Composition with a Concentration in History (p. 369)
- B.M. with Elective Studies in an Outside Field (p. 370)

Minors in Music Theory, History and Composition

- Music (p. 372)
- Music History (p. 372)

Graduate Opportunities

See the graduate catalog for more information on the Music Theory, History and Composition program. (http://catalog.wcupa.edu/graduate/visual-performing-arts/music-theory-history-composition)

Policies

- See undergraduate admissions information. (p. 11)
- See (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures) academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

Faculty

Professors
Scott Balthazar (srbalthazar@wcupa.edu) (1991)
B.A., Amherst College; M.A., Ph.D., University of Pennsylvania
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.Mus., University of the Arts; M.Mus., D.M.A., Temple University
Alexander Rozin (arozin@wcupa.edu) (2002)
B.A., University of California, Berkeley; Ph.D., University of Pennsylvania

Associate Professors
Adam B. Silverman (asilverman@wcupa.edu) (2008)
B.M., University of Miami; M.M., M.M.A., D.M.A., Yale University
Van Stiefel (vstiefel@wcupa.edu) (2006)
B.A., Yale College; M.M., Yale School of Music; Ph.D., Princeton University

Assistant Professors
Jacob Cooper (jcooperc@wcupa.edu) (2014)
B.A., Amherst College; M.A., A.D., D.M.A., Yale School of Music
Havyoung Heidi Lee (hlee2@wcupa.edu) (2013)
B.A., M.A., University of Washington; Ph.D., Stanford University
Thomas Winters (twinters@wcupa.edu) (1988)
B.A., Bucknell University; M.A., Ph.D., University of Pennsylvania

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.
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 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. Fulfills the general requirements. Not open to music majors. 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. Fulfills the interdisciplinary requirement.
Gen Ed Attribute: Interdisciplinary 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, 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: MHL301 Requires a prerequisite of MTC212 and MHL211 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 322 requires 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 480. Topics in Music History II. 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 I. 3 Credits.
Research and writing for Music History Senior Project.
Consent: Add consent.

MHL 499. Senior Project II. 3 Credits.
Completion of research and writing for Music History Senior Project.
Consent: Add consent.

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.

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.

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/Recording. 3 Credits.
Analysis and composition of recent popular music; introduction to recording and editing techniques.
Pre / Co requisites: MTC 171 requires prerequisite of MTC 113.

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 pre-requisite 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 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 or co-requisite 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 Television. 3 Credits.
Techniques used in composing, orchestrating, mixing, and recording music for the film and television industry. Use of sequencing software and sample libraries to write production-quality cues synchronized to film clips.
Pre / Co requisites: MTC 271 requires prerequisite of MTC 212.
Typically offered in Fall & 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 prerequisite of MTC 212.
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 prerequisite of MTC 212.
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 prerequisite of MTC 212.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall.

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 312.
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 346. Performance Practices in Contemporary Music. 3 Credits.
Technical problems of understanding new notation (e.g., graphic, proportional, multiophonics, microtones, metric modulation, asymmetrical rhythm groupings, prose scores, etc.) and facility in performing scores that include these techniques.
Pre / Co requisites: MTC 346 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 417. Computer Music I. 3 Credits.
Pre / Co requisites: MTC 417 requires prerequisite of MTC 312.
Typically offered in Spring.

MTC 418. Composition V. 3 Credits.
Advanced composition lessons for theory/composition majors.
Pre / Co requisites: MTC 418 requires 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.

MTC 486. Senior Thesis II. 3 Credits.
Private instruction and further preparation of music theory senior thesis.
Typically offered in Fall & Spring.

MTC 487. Senior Recital Preparation I. 3 Credits.
Private composition instruction and preparation for senior composition recital.
Typically offered in Fall & Spring.

MTC 488. Senior Recital Preparation II. 3 Credits.
Private composition instruction and further preparation for senior composition recital.
Typically offered in Fall & Spring.

MTC 414. 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.

MUS

MUS 199. Transfer Credits. 1-10 Credits.
Transfer Credits.
Repeatable for Credit.
MWS
MWS 436. Synthesizer Workshop: Contemp Applicatns. 3 Credits.
Contact department for more information about this course.

B.M IN THEORY AND COMPOSITION
WITH A CONCENTRATION IN THEORY/COMPOSITION

Curriculum
The B.M. with a Concentration in Theory/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]
Academic Foundations requirements 12
- English Composition (6 credits)
- Math (3 credits)
- Public Speaking (3 credits)
Science requirements 6
- Behavioral & Social Science requirements 6
- Humanities requirements 6
- Arts requirement 3
- Diverse Communities requirement 3
- Interdisciplinary requirement 3
- Student Electives 9
Additional Baccalaureate Requirements
Writing Emphasis requirements 9
Music History Requirements
MHL 210 Music History I 1 3
MHL 211 Music History II 1 3
MHL 212 Music History III 1 3
Required Theory/Composition Courses
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 312 Composition I 3
MTC 313 Composition II 3
MTC 341 Orchestration 3
MTC 342 Music Analysis 3
MTC 344 16th Century Counterpoint 3
MTC 417 Computer Music I 3
Other Music Requirements
Recital Attendance
Conducting, performance area, music organizations, music electives, piano competency 25
Total Minimum Credits Required 120
1 Minimum grade of C- required.

Degree Progress
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; courses offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

B.M. Music Theory & Composition
Suggested Sequence of Courses

<table>
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<tr>
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<th>Semester One</th>
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<tr>
<td>MTC 112</td>
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<td>MTC 114</td>
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<td>Piano Class (Minor)</td>
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<td>WRT 120</td>
<td>General Effective Writing I</td>
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| Credits | 16.5 |

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<td>MTC 312</td>
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<td>General Education Course (2nd Writing)</td>
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<td>MTC 313</td>
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<td>MHL 210</td>
<td>Music History I</td>
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| Credits | 17 |

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PIA 292 Piano Class 1
Recital Attendance

Year Three
Semester Five
MTC 341 (fall only) Orchestration 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 Elective(s) 1
Recital Attendance

Credits 17

Semester Six
MTC 345 18th Century Counterpoint 3
MTC 418 Composition V (suggested) 3
Major Lessons - ___ 372 1.5
Major Ensemble 0.5
Conducting I - ___ 311 2
General Education Course 3
General Education Course 3
Recital Attendance

Credits 15

Year Four
Semester Seven
16th C. Counterpoint or Music Analysis - MTC - ___, 1, 2, 3 3
Major Lessons - ___ 471 1.5
Major Ensemble 0.5
Thesis or Recital Prep I - MTC 3
General Education Course 3
General Education Course 6

Credits 16

Semester Eight
Major Lessons - ___ 472 1.5
Major Ensemble 0.5
Thesis or Recital Prep I - MTC 3
Thesis or Recital Prep II - MTC 3
General Education Course 3
General Education Course 6

Credits 17

1 Minimum grade of C- required.
2 Course availability varies; may be interchanged with another course.
3 Music Analysis is a prereq for Senior Thesis I.

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

Required Music History Courses

Recital Attendance
Performance area, music organizations, music electives, piano competency 22

Total Minimum Credits Required 120

Degree Progress

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; courses offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

B.M. with Concentration in History

Year One
Semester One

Credits

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
MTC 342 Music Analysis 3
Recital Attendance 3

Credits 17

1 Minimum grade of C- required.
B.M. WITH ELECTIVE STUDIES IN AN OUTSIDE FIELD

| Major Lessons - ___ | 171 | 1.5 |
| MHL 310 Collegium Musicum | 1 |
| PIA 191 Piano Class (Minor) | 0.5 |
| WRT 120 (General Effective Writing I Education Course) | 3 |
| General Education Course (Math) | 3 |
| General Education Course | 3 |
| Recital Attendance |

**Credits**

**Semester Two**

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<td>MHL 210 Music History I</td>
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**Year Two**

**Semester Three**

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**Credits**

**Semester Four**

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<td>MTC 215 Aural Activities IV</td>
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<td>MHL 212 Music History III</td>
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<td>Major Lesson - ___</td>
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<tr>
<td>Major Ensemble</td>
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<tr>
<td>PIA 292 Piano Class</td>
<td>1</td>
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<tr>
<td>Student Elective</td>
<td>3</td>
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<td>General Education Course</td>
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**Year Three**

**Semester Five**

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<td>MTC 342 Music Analysis</td>
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<td>Music History Course - MHL 3/4</td>
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<tr>
<td>Music History Course - MHL 3/4</td>
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<td>Major Lesson - ___</td>
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<td>General Education Course</td>
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**Credits**

**Semester Six**

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<td>Major Lesson - ___</td>
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<td>Major Ensemble</td>
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<td>Music Electives</td>
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<td>Recital Attendance</td>
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**Credits**

**Year Four**

**Semester Seven**

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<td>Music History Course - MHL 3/4/6</td>
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<td>MHL 498 Senior Project I</td>
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<td>Major Lesson - ___</td>
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<td>General Education Course (Public Speaking)</td>
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**Credits**

**Semester Eight**

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<td>Music History Course - MHL 3/4/6</td>
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<td>MHL 499 Senior Project II</td>
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<tr>
<td>General Education Course</td>
<td>3</td>
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</table>

**Credits**

1. Grade of C- or higher required.
2. Course availability varies; may be interchanged with another.

B.M. WITH ELECTIVE STUDIES IN AN OUTSIDE FIELD

College of Visual & Performing Arts

**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**

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<tr>
<th>Requirement</th>
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<td>Academic Foundations</td>
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<td>English Composition (6 credits)</td>
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<td>Math (3 credits)</td>
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<td>Public Speaking (3 credits)</td>
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**Science requirements**

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**Behavioral & Social Science requirements**

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**Humanities requirements**

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**Arts requirement**

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**Diverse Communities requirement**

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**Interdisciplinary requirement**

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**Student Electives**

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**Additional Baccalaureate Requirements**

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**Theory Requirements**

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<td>MTC 112 Theory of Music I</td>
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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  

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.)  18  

Total Minimum Credits Required  120  

Degree Progress  
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; courses offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.  

Year One  
Semester One  

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<td>MTC 114</td>
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Recital Attendance  

Credits  15.5  

Semester Two  

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<td>MTC 115</td>
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Recital Attendance  

Credits  15.5  

Year Two  
Semester Three  

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<th>Course</th>
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<tbody>
<tr>
<td>MTC 212</td>
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<td>MTC 214</td>
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<tr>
<td>MHL 210 Music History I</td>
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</tr>
<tr>
<td>Major Lessons - ___ 271</td>
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Major Ensemble  
Pia 291 Piano Class  
General Education Course  
Music Elective  
Recital Attendance  

Credits  16  

Semester Four  

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>MTC 213</td>
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<tr>
<td>MTC 215</td>
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<tr>
<td>MHL 213 Music History II</td>
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<tr>
<td>Outside Field</td>
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<td>General Education Course</td>
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Recital Attendance  

Credits  17  

Year Three  
Semester Five  

<table>
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<tr>
<td>MHL 212 Music History III</td>
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<tr>
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</tr>
<tr>
<td>Conducting I - ___ 311</td>
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<tr>
<td>Music Elective</td>
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<td>General Education Course</td>
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Recital Attendance  

Credits  16  

Semester Six  

<table>
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<th>Course</th>
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<td>Major Ensemble</td>
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<td>Outside Field</td>
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<tr>
<td>General Education Course</td>
<td>3</td>
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<tr>
<td>General Education Courses</td>
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Recital Attendance  

Credits  17  

Year Four  
Semester Seven  

<table>
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<th>Course</th>
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<tbody>
<tr>
<td>Major Lessons - ___ 471</td>
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<td>Major Ensemble</td>
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<td>Outside Field</td>
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<td>General Education Courses</td>
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Recital Attendance  

Credits  17  

Semester Eight  

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>Major Lessons - ___ 472</td>
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<td>Music Elective</td>
<td>3</td>
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<tr>
<td>Outside Field</td>
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</tr>
<tr>
<td>Outside Field</td>
<td>3</td>
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</tbody>
</table>
MINOR IN MUSIC
College of Visual & Performing Arts

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MTC 110</td>
<td>Making Music</td>
<td>3</td>
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<tr>
<td>MTC 111</td>
<td>The Developing Musician</td>
<td>3</td>
</tr>
<tr>
<td>MHL 121</td>
<td>Music in Culture and History</td>
<td>3</td>
</tr>
<tr>
<td>MHL 125</td>
<td>Perspectives in Jazz</td>
<td></td>
</tr>
<tr>
<td>MHL 210</td>
<td>Music History I</td>
<td></td>
</tr>
<tr>
<td>MHL 312</td>
<td>Women in Music</td>
<td></td>
</tr>
<tr>
<td>MHL 325</td>
<td>History of Rock</td>
<td></td>
</tr>
<tr>
<td>ASC 196</td>
<td>Guitar Class</td>
<td>0.5</td>
</tr>
<tr>
<td>or PIA 181</td>
<td>Class Piano for Non-Music Majors</td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MHL 125</td>
<td>Perspectives in Jazz</td>
</tr>
<tr>
<td>MHL 210</td>
<td>Music History I</td>
</tr>
<tr>
<td>MHL 211</td>
<td>Music History II</td>
</tr>
<tr>
<td>MHL 212</td>
<td>Music History III</td>
</tr>
<tr>
<td>MHL 310</td>
<td>Collegium Musicum</td>
</tr>
<tr>
<td>MHL 312</td>
<td>Women in Music</td>
</tr>
<tr>
<td>MHL 325</td>
<td>History of Rock</td>
</tr>
<tr>
<td>MTC 171</td>
<td>Popular Music Songwriting/Recording</td>
</tr>
</tbody>
</table>

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
College of Visual & Performing Arts

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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>MHL 210</td>
<td>Music History I</td>
<td>3</td>
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<tr>
<td>MHL 211</td>
<td>Music History II</td>
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</tr>
<tr>
<td>MHL 212</td>
<td>Music History III</td>
<td>3</td>
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</tbody>
</table>

Select 9 semester hours of MHL courses at the 300 or 400 level 9

Total Credits 18

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.
DEPARTMENT OF NURSING

College of Health Sciences
222 Sturzebecker Health Sciences Center
610-436-2219
Department of Nursing (http://www.wcupa.edu/_academics/healthsciences/nursing/default.asp)
Charlotte Mackey (cmackey@wcupa.edu), Chairperson
The Department of Nursing is accredited by the Commission on Collegiate Nursing Education (One Dupont Circle, NW, Suite 530, Washington, D.C. 20036) and approved by the State Board of Nursing of the Commonwealth of Pennsylvania.

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; and
6. characterizes learning as a life-long process.

Programs
Major in Nursing
• B.S. in Nursing (p. 377)

Graduate Opportunities
See the graduate catalog for more information on the Nursing program. (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)

Admission Criteria
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 1000 is expected on the SAT.

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.

Special Requirements
Generic nursing candidates are admitted once a year, in September.
Transfer students can be admitted in spring and fall.

Nursing students are required to supply their own transportation to clinical facilities.

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 blue 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, American Heart Association, or other acceptable resource in Life Support (two-person) 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, poliomyelitis (a series of four), Hepatitis B, varicella, and flu; a complete physical examination, tuberculin skin test (TST), eye examination, and any other diagnostic tests deemed necessary. Prior to the senior year, students must repeat the TST.
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/NSL 312.

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 Sturzebecker Health Sciences 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.

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 in to 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, or 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; and
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 or CHE 103; CRL 103.

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/_Academics/HealthSciences/nursing/.

Advance 2 B.S.N.

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 National Council Licensure Examination (NCLEX) upon graduation. Passing this examination designates Registered Nurse (RN) status. In accordance with the Professional Nurse Law, felonious acts prohibit licensure in Pennsylvania as indicated by the following:

"The Board shall not issue a license or certificate to an applicant who has been convicted of a feloous act prohibited by the act of April 14, 1972 (P.L. 233, No. 64), known as 'The Controlled Substance, Drug, Device and Cosmetic Act,' or convicted of a felony relating to a controlled substance in a court of law of the United States or any other state, territory, or country unless:
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; and
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)

Faculty

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

Brent Wesley Thompson (bthompson@wcupa.edu) (2001)
B.S.N., M.S., University of Delaware; D.N.Sc., Widener University

Assistant Professors

Rachel A. Joseph (rjoseph@wcupa.edu) (2013)
B.S., College of Nursing, Trivandrum; M.S., Wilmington University; Ph.D., Duquesne University

Deborah Ann Mandel (dmandel@wcupa.edu) (2012)
B.S.N. Kean University; M.S.N University of Pennsylvania; Ph. D. Rutgers University
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: NSG218 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 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. Care of Childbearing Family & Community Based Care. 4 Credits.
The emphasis of this course is the childbearing family and individuals in various community settings. 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 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.

NSG 312. Care of Older Adult & Care of Child. 5 Credits.
The emphasis of this course is on the assessment and maintenance and promotion of health of the older adult and child. 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 provides the framework for the care to be given in a variety of settings with clients.
Pre / Co requisites: NSG 311 requires prerequisites of BIO 307 and co-requisite of NSL 311. 
Nursing majors only.
Gen Ed Attribute: Writing Emphasis.

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 Prerequisite requires NSG 212 and NSL 212.
Distance education offering may be available.
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, disability 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.
Repeatable for Credit.

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 323. 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 Arhythmia 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 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 prerequisite: NSG/NSL 311, 312 and either NSG/NSL 411 or 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: Add consent.
Repeatable for Credit.

NSG 411. Care of Individual in Acute Care & Behavioral Health Setting. 5 Credits.
The emphasis of this course is on the care of persons with acute medical surgical and acute behavioral 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. The framework for the care to be given will reflect concepts including application of research, theory, ethical, legal and educational principles to assist clients in crisis.
Pre / Co requisites: NSG 411 PREREQ: NSG 311, NSL 311 and NSG 312 and Coreq NSL 411.
Nursing majors only.

NSG 412. Care of Communities & Individuals in Acute Care from a System's Perspective. 5 Credits.
Must be taken during senior year. NSG 412 is a continuation of NSG 411 with the emphasis on the subconcepts of decision making and advocacy. The nursing process is utilized interdependently in approaching multihealth care problems of clients. Special attention is given to inquiry as the student correlates nursing theories and concepts with identifiable research problems in varied environments. Opportunity is provided in this semester to develop organization and management skills.
Pre / Co requisites: NSG 412 requires PREREQ NSG 311, NSL 311, NSG 312, NSL 312 and Coreq NSL 412.
Nursing majors only.
Gen Ed Attribute: Writing Emphasis.
Distance education offering may be available.

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.

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 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 Prereq - requires BIO 100, BIO 259, 269, CHE 107 and CRL 107. Must have composite GPA of 2.75 in these prereq courses. CO REQ NSG 212. 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 HEA 303 and NSG 212 and PSY 210 or HEA 206 and co-requisite of NSG 311. Gen Ed Attribute: Writing Emphasis. Distance education offering may be available.

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 Prerequisite: BIO 100, 204, 259, 269, NS12, NSL 312, NTD 303, PSY 100, SOC 200, CHE / CRL 103 and 104 OR CHE / CRL 107; HEA 206 or PSY 210; one of the following WRT courses: WRT 200, 204, 205, 206, 208, 220. Gen Ed Attribute: Writing Emphasis.

NSL 411. Laboratory. 5 Credits.
Clinical experiences are 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. Gen Ed Attribute: Writing Emphasis.

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, NSG 312 and NSL 312 and co-requisite of NSG 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)

Academic Foundations requirements 12
English Composition (6 credits)
Math (3 credits)
MAT 121 Statistics
Public Speaking (3 credits)

Science requirements 6
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 6
PSY 100 Introduction to Psychology
SOC 200 Introduction to Sociology

Humanities requirements 6
Arts requirement 3
Diverse Communities requirement 3
Interdisciplinary requirement 3
Student Electives 9

Additional Baccalaureate Requirements
Writing Emphasis requirements 9

Nursing students will be required to have a minimum cumulative GPA of 2.75 in the following courses: BIO 100, BIO 259 and BIO 269, CHE 107/CRL 107 to enter NSG 212/NSL 212.

Major Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSG 212</td>
<td>Nursing Theories and Concepts</td>
<td>3</td>
</tr>
<tr>
<td>NSG 311</td>
<td>Care of Childbearing Family &amp; Community Based Care</td>
<td>4</td>
</tr>
<tr>
<td>NSG 312</td>
<td>Care of Older Adult &amp; Care of Child</td>
<td>5</td>
</tr>
<tr>
<td>NSG 313</td>
<td>Applied Nursing Research</td>
<td>3</td>
</tr>
<tr>
<td>NSG 367</td>
<td>Nursing Implications of Drug Interaction</td>
<td>3</td>
</tr>
<tr>
<td>NSG 411</td>
<td>Care of Individual in Acute Care &amp; Behavioral Health Setting</td>
<td>5</td>
</tr>
<tr>
<td>NSG 412</td>
<td>Care of Communities &amp; Individuals in Acute Care from a System’s Perspective</td>
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<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>NSL 212</td>
<td>Health Assessment</td>
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<tr>
<td>NSL 311</td>
<td>Laboratory</td>
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<tr>
<td>NSL 312</td>
<td>Laboratory</td>
<td>5</td>
</tr>
<tr>
<td>NSL 411</td>
<td>Laboratory</td>
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</tr>
<tr>
<td>NSL 412</td>
<td>Laboratory</td>
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Select two nursing electives

Related/Cognate Requirements 2

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<th>Course</th>
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<tr>
<td>BIO 204</td>
<td>Introductory Microbiology</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>BIO 307</td>
<td>Pathophysiology</td>
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</tr>
<tr>
<td>HEA 206</td>
<td>Human Development</td>
<td>3</td>
</tr>
<tr>
<td>or PSY 210</td>
<td>Developmental Psychology: Lifespan</td>
<td></td>
</tr>
<tr>
<td>NTD 303</td>
<td>Introductory Principles Human Nutrition</td>
<td>3</td>
</tr>
</tbody>
</table>

Nursing Electives
Students must take enough nursing electives to reach the 120 semester hours required for graduation.

Total Minimum Credits Required 120

1 To continue progression in the program a minimum grade of C or better in all nursing core courses is required.
2 Some of these courses may be used to satisfy General Education requirements.

Degree Progress
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; courses offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

Nursing Sequence for Honors Students

Year One

<table>
<thead>
<tr>
<th>Semester One</th>
<th>Credits</th>
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<tbody>
<tr>
<td>HON 100</td>
<td>Self-Awareness and Development</td>
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<tr>
<td>HON 352</td>
<td>Honors Seminar</td>
</tr>
<tr>
<td>BIO 100</td>
<td>Basic Biological Science</td>
</tr>
<tr>
<td>PSY 100</td>
<td>Introduction to Psychology</td>
</tr>
<tr>
<td>SOC 200</td>
<td>Introduction to Sociology</td>
</tr>
<tr>
<td>Minor elect</td>
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</table>

<table>
<thead>
<tr>
<th>Semester Two</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>HON 211</td>
<td>Decision Making and Public Discourse</td>
</tr>
<tr>
<td>HON 212</td>
<td>Ethics and Moral Choice in Tech Age</td>
</tr>
<tr>
<td>Year Two</td>
<td>Semester Three</td>
</tr>
<tr>
<td>----------</td>
<td>----------------</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>BIO 259</td>
<td>Human Anatomy and Physiology I</td>
</tr>
<tr>
<td>CHE 107</td>
<td>General Chemistry for Allied Health Sciences</td>
</tr>
<tr>
<td>&amp; CRL 107</td>
<td></td>
</tr>
<tr>
<td>Minor Elective</td>
<td></td>
</tr>
<tr>
<td>HON 314^2</td>
<td>Science, Technology and Environmental Systems</td>
</tr>
<tr>
<td>Credits</td>
<td>27</td>
</tr>
</tbody>
</table>

1. CHE 107/CRL 107 cannot happen in freshman fall due to HON 100. Options are CHE 103/CRL 103 in fall and CHE 104/CRL 104 in spring or CHE 107/CRL 107 in the spring.
2. NOTE: this would normally be spring of the sophomore year but moving this lab class to the spring freshman term avoids later NSG field requirements.
3. Can be taken at any time beyond freshman year.
4. Can be taken at any time.
5. Can be taken either fall or spring.
DEPARTMENT OF NUTRITION

College of Health Sciences
207 Sturzebecker Health Sciences Center
610-436-2125
Department of Nutrition (http://www.wcupa.edu/_ACADEMICS/HealthSciences/nutritionanddietetics)
Jeff Harris (jharris@wcupa.edu), Chairperson

Bachelor of Science in Nutrition and Dietetics

The Bachelor of Science in Nutrition and Dietetics 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 R.D. examination successfully are recognized as registered dietitians (R.D.). Faculty advisers assist students in applying for supervised practices and pursuing other postgraduate avenues.

Programs

Major in Nutrition

• B.S. in Nutrition and Dietetics (p. 381)

Minor in Nutrition

• Nutrition (p. 382)

Graduate Opportunities

See the graduate catalog for more information on the Nutrition program. (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)

Faculty

Professors

Jeffrey E. Harris (jharris@wcupa.edu) (1983)
Chairperson, Nutrition
University of California, San Diego; D.H.Sc., M.P.H., 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

Gina Pazzaglia (gpazzaglia@wcupa.edu) (2010)
B.S., Pennsylvania State University; M.S., Syracuse University; Ph.D., Pennsylvania State University

Regina Subach (rsubach@wcupa.edu) (2014)
B.S., M.A., Immaculata University; Ph.D., Capella University

Associate Professors

Mary Beth Gilboy (mgilboy@wcupa.edu) (2007)
B.S., Marywood University; M.P.H., University of North Carolina; Ph.D., Temple University

Sandra Walz (swalz@wcupa.edu) (1997)
B.S., M.S., North Dakota State University; Ph.D., Kansas State University

Assistant Professors

Joanne Christaldi (jchristaldi@wcupa.edu) (2013)
B.S., College of Saint Elizabeth; M.S., University of Delaware; Ph.D., University of Georgia

Patricia G. Davidson (pddavidson@wcupa.edu) (2013)
B.S. Southern Illinois University; M.S., Virginia Polytechnic Institute and State University; D.C.N., University of Medicine and Dentistry of New Jersey

Christine Karpinski (ckarpinski@wcupa.edu) (2010)
B.S., West Chester University; M.A., Immaculata University

Lynn Monahan-Couch (lmonahan@wcupa.edu) (2000)
B.S., University of California, Berkeley; M.P.H., West Chester University; D.C.N., University of Medicine and Dentistry of New Jersey

Courses

NTD

NTD 199. Transfer Credit Electives. 1-15 Credits.
Transfer Electives.
Typically offered in Fall, Spring & Summer.
Repeatable for Credit.

NTD 200. Nutrition and Culture. 3 Credits.
The U.S. is becoming a pluralistic, diverse population whose food patterns are influenced by ethnic, religious, and regional groups. This course will provide an overview of worldwide dietary patterns, examine various factors affecting individual and regional food choices, and discuss cultural and historical perspectives of dietary patterns. Course includes food sampling from different cultures.
Gen Ed Attribute: Diversity Requirement.
Typically offered in Fall, Spring & Summer.

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 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 & Summer.

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 sources 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: NTD305 Prerequisite requires a prerequisite of NTD303. Typically offered in Spring.

NTD 309. Nutrition Throughout 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 dietetics. Topics such as the foundation and ethics of research, research questions and hypotheses, research designs, statistical analysis and interpretation, evidence analysis, systematic reviews, and evidence based practice will be addressed. Practical projects will be assigned, such as article analysis, a small research project, and data analysis using SPSS.
Pre / Co requisites: NTD 310 requires prerequisite of MAT 121 with a grade of C or better; and NTD 309. 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: NTD311 requires prerequisite NTD309. Repeatable for Credit.

NTD 320. Strategies in Dietetics Education. 3 Credits.
Practical study of theories of reaching 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 NTD309. Typically offered in Fall & Spring.

NTD 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: NTD408 requires prerequisites of C or better in CHE310 and NTD205 and NTD303. Typically offered in Spring.

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. Typically offered in Fall.

NTD 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 prerequisite of NTD205. Typically offered in Fall.

NTD 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 C or better in BIO100, 259 and 269 and C or better in CHE230 and 310 and NTD 309. Typically offered in Fall.

NTD 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: NTD412 requires a PREREQ of NTD411. May also be taken concurrently with NTD412. Typically offered in Fall.

NTD 413. Medical Nutrition Therapy I. 3 Credits.
This course covers nutritional assessment, drug-nutrient interactions, nutritional therapy in diseases of infancy and childhood, gastrointestinal diseases, diseases of the liver and gallbladder, and surgery.
Pre / Co requisites: NTD 413 requires prerequisites of NTD 412. Typically offered in Spring.

NTD 414. Medical Nutrition Therapy II. 3 Credits.
This course covers nutritional therapy in coronary heart disease and hypertension, diabetes mellitus, renal disease, cancer, and disabling diseases.

NTD 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 prerequisite of NTD 320. Typically offered in Fall & Spring.

NTD 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, staffing, leading, and controlling. Management of human resources, food, materials, capital, facilities, and markets.

NTD 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: controlling facilities, budgeting, facilities planning and design, buying and installing foodservice equipment, 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 NTD410. Typically offered in Spring.

NTD 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: NTD420 requires prerequisite NTD303. Typically offered in Fall, Spring & Summer.

NTD 422. Nutrition for Health, Fitness & Sport. 3 Credits.
Study of nutrition and its effects on health, development, and performance; sound nutrition guidelines for optimal health and physical performance; energy and energy pathways as keys to physical activity; nutrients relative to health and physical performance; dining away from home; substances proposed to enhance performance; body composition and weight control.
Pre / Co requisites: NTD 422 requires prerequisite of NTD 303. Typically offered in Fall, Spring & Summer.

NTD 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.

NTL

NTL 205. Food Selection and Preparation laboratory. 2 Credits.
Nutritionally based experience. Planning and preparation of convenience and traditionally prepared food.
Pre / Co requisites: NTL 205 Pre-requisite - requires prereq or coreq of NTD 205.
B.S. IN NUTRITION AND DIETETICS

College of Health Sciences

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

Academic Foundations requirements 12
  English Composition (6 credits)
  Math (3 credits)
  Public Speaking (3 credits)
Science requirements 6
  Behavioral & Social Science requirements 6
Humanities requirements 6
Arts requirement 3
Diverse Communities requirement 3
Interdisciplinary requirement 3
Student Electives 9

Additional Baccalaureate Requirements
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.

Major Requirements

NTD 200 Nutrition and Culture 3
NTD 205 Principles of Food Selection and Preparation 3
NTD 303 Introductory Principles Human Nutrition 3
NTD 309 Nutrition Throughout the Lifecycle 3
NTD 310 Nutrition Research 3
NTD 320 Strategies in Dietetics Education 3
NTD 408 Food Science 3
NTD 409 Professional Skills in Dietetics 3
NTD 410 Quantity Food Production 3
NTD 411 Advanced Human Nutrition I 3
NTD 412 Advanced Human Nutrition II 3
NTD 413 Medical Nutrition Therapy I 3
NTD 414 Medical Nutrition Therapy II 3
NTD 415 Community Nutrition 3
NTD 416 Food Service and Nutrition Systems Management I 3
NTD 417 Food Service and Nutrition Systems Management II 3

Related/Cognate Requirements

BIO 100 Basic Biological Science 1 3
BIO 204 Introductory Microbiology 4
BIO 259 Human Anatomy and Physiology I 4
BIO 269 Human Anatomy and Physiology II 4
CHE 107 General Chemistry for Allied Health Sciences 1 4
CHE 230 Introduction to Organic and Biological Chemistry 3
CHE 310 Introductory Biochemistry 3
CRL 107 General Chemistry Lab for Allied Health Services 1
MAT 121 Statistics 1 3
PSY 100 Introduction to Psychology 1 3
SOC 200 Introduction to Sociology 1 3

Electives

Select 14 semester hours under advisement 14
Total Minimum Credits Required 120

Other Degree Completion Requirements

Students must complete all required NTD courses with a minimum grade of C to graduate from the nutrition and dietetics program. Students must complete BIO 100, BIO 204, BIO 259, BIO 269; CHE 107/CRL 107; CHE 230 and CHE 310; and MAT 121 with a minimum grade of C to graduate.

These required courses also satisfy general education requirements if any core or cognate courses have prerequisites, the minimum grade requirements for those prerequisites must be met before the core or cognate course can be taken. For example, the prerequisites for NTD 410 are BIO 100, BIO 204, and NTD 205/NTL 205. To take NTD 410, students must have completed these prerequisites and earned a minimum of a C in BIO 100 and BIO 204, and a minimum of a C in NTD 205/NTL 205.

Degree Progress

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; courses offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

B.S. Degree in Nutrition and Dietetics - Course Curriculum

120 Semester Hours - excluding examination time, there are 14 weeks in a semester. 1 Credit = 1 didactic hour/week or 2 - 3 laboratory hours/week.

Year One

Semester One  Credits
BIO 1001,2 Basic Biological Science 3
Student Elective 3
NTD 2052,4,5 Nutrition and Culture 3
SOC 2001 Introduction to Sociology 3
WRT 120 Effective Writing I 3

Semester Two  Credits
CHE 1071,2,4,5 General Chemistry for Allied Health Sciences 4
CRL 1071,2,4,5 General Chemistry Lab for Allied Health Services 1
MAT 1211,2,5 Statistics 3
NTD 3031,2,5 Introductory Principles Human Nutrition 3
Select one of the following:
  WRT 200 Critical Writing and Research
  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

Semester Three  Credits
BIO 259 Human Anatomy and Physiology I 4
CHE 2301,2,4,5 Introduction to Organic and Biological Chemistry 3
Interdisciplinary "I" Course 3
NTD 2052,4,5 Principles of Food Selection and Preparation 3
NTD 2052,4,5 Food Selection and Preparation Laboratory 2

Credits 14
MINOR IN NUTRITION

Semester Four

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<thead>
<tr>
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<th>Title</th>
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<td>BIO 269</td>
<td>Human Anatomy and Physiology II</td>
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<tr>
<td>CHE 310</td>
<td>Introductory Biochemistry</td>
<td>3</td>
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<tr>
<td>Student Elective</td>
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<tr>
<td>NTD 309</td>
<td>Nutrition Throughout the Lifecycle</td>
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<tr>
<td>PSY 100</td>
<td>Introduction to Psychology</td>
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Year Three

Semester Five

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<tr>
<td>BIO 204</td>
<td>Introductory Microbiology</td>
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<tr>
<td>LIT/CLS, HIS, or PHI (cannot be an &quot;I&quot; course)</td>
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<td></td>
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<tr>
<td>Student Elective</td>
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<td>2</td>
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<tr>
<td>NTD 310</td>
<td>Nutrition Research</td>
<td>3</td>
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<tr>
<td>NTD 320</td>
<td>Strategies in Dietetics Education</td>
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Semester Six

<table>
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<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>ART (art, film, dance, music, theater; no &quot;I&quot; course)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>LIT/CLS, HIS, or PHI (prefix must be different than the other LIT/CLS, HIS, or PHI selection; no &quot;I&quot; course)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>NTD 312</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>NTD 415</td>
<td>Community Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>SPK 199</td>
<td>Transfer Credits</td>
<td></td>
</tr>
<tr>
<td>SPK 208</td>
<td>Public Speaking</td>
<td></td>
</tr>
<tr>
<td>SPK 230</td>
<td>Business and Professional Speech Communication</td>
<td></td>
</tr>
</tbody>
</table>

Year Four

Semester Seven

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>NTD 409</td>
<td>Professional Skills in Dietetics</td>
<td>3</td>
</tr>
<tr>
<td>NTD 410</td>
<td>Quantity Food Production</td>
<td>3</td>
</tr>
<tr>
<td>NTD 411</td>
<td>Advanced Human Nutrition I</td>
<td>3</td>
</tr>
<tr>
<td>NTD 412</td>
<td>Advanced Human Nutrition II</td>
<td>3</td>
</tr>
</tbody>
</table>

Semester Eight

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>NTD 413</td>
<td>Medical Nutrition Therapy I</td>
<td>3</td>
</tr>
<tr>
<td>NTD 414</td>
<td>Medical Nutrition Therapy II</td>
<td>3</td>
</tr>
<tr>
<td>NTD 416</td>
<td>Food Service and Nutrition Systems Management I</td>
<td>3</td>
</tr>
<tr>
<td>NTD 417</td>
<td>Food Service and Nutrition Systems Management II</td>
<td>3</td>
</tr>
</tbody>
</table>

Credits: 15

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NTD 303</td>
<td>Introductory Principles Human Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>NTD 309</td>
<td>Nutrition Throughout the Lifecycle</td>
<td>3</td>
</tr>
<tr>
<td>Any 12 credits of NTD courses tailored to students' needs. Strong recommendations include the following:</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>NTD 200</td>
<td>Nutrition and Culture</td>
<td></td>
</tr>
<tr>
<td>NTD 301</td>
<td>Consumer Nutrition</td>
<td></td>
</tr>
<tr>
<td>NTD 305</td>
<td>Vegetarian Nutrition</td>
<td></td>
</tr>
<tr>
<td>NTD 420</td>
<td>Perspectives on Obesity</td>
<td></td>
</tr>
<tr>
<td>NTD 422</td>
<td>Nutrition for Health, Fitness &amp; Sport</td>
<td></td>
</tr>
<tr>
<td>NTD 435</td>
<td>Nutrition Workshops</td>
<td></td>
</tr>
<tr>
<td>or other NTD elective courses that can be taken in consultation with the department's minor adviser.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Credits: 18

Apply for graduation one semester before your projected graduation date (e.g. apply by December 30th if you plan on graduating in May the following semester)

This curriculum guide should be used in consultation with an Academic Advisor.

MINOR IN NUTRITION

College of Health Sciences

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NTD 303</td>
<td>Introductory Principles Human Nutrition</td>
<td>3</td>
</tr>
<tr>
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</tr>
<tr>
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<td></td>
</tr>
<tr>
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<td>Nutrition and Culture</td>
<td></td>
</tr>
<tr>
<td>NTD 301</td>
<td>Consumer Nutrition</td>
<td></td>
</tr>
<tr>
<td>NTD 305</td>
<td>Vegetarian Nutrition</td>
<td></td>
</tr>
<tr>
<td>NTD 420</td>
<td>Perspectives on Obesity</td>
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<tr>
<td>NTD 422</td>
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<td>NTD 435</td>
<td>Nutrition Workshops</td>
<td></td>
</tr>
<tr>
<td>or other NTD elective courses that can be taken in consultation with the department's minor adviser.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Credits: 18

A grade of C or better is required in each course.

1 These courses fulfill requirements for both general education and the Nutrition and Dietetics major.
2 A grade of C is required.
3 Students having a deficient science background or lacking confidence in their math skills should take CHE 101 before CHE 107/CRL 107.
4 Offered Fall semester.
5 Offered Spring semester.
6 Offered Summer session.
7 Select from approved Gen Ed Humanities courses.
8 Select from approved Gen Ed Arts courses.
**Programs**

**Minor in Peace and Conflict Studies**
- Peace and Conflict Studies (p. 383)

**Policies**
- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

**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.
Gen Ed Attribute: Interdisciplinary Requirement.
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**

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>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>
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</tbody>
</table>

Select one course from each of the following four categories: 12

**Political Thought/International Relations**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRJ 304</td>
<td>Introduction to Comparative Justice Systems</td>
<td></td>
</tr>
<tr>
<td>GEO 352</td>
<td>Geopolitics</td>
<td></td>
</tr>
<tr>
<td>HIS/WOS 329</td>
<td>Gender and Peace</td>
<td></td>
</tr>
<tr>
<td>LIT 162</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHI 411</td>
<td>The Problem of War</td>
<td></td>
</tr>
<tr>
<td>PHI 481</td>
<td>Philosophy of Human Rights</td>
<td></td>
</tr>
<tr>
<td>PHI 482</td>
<td>Social Philosophy</td>
<td></td>
</tr>
<tr>
<td>PSC 317</td>
<td>Contemporary International Relations</td>
<td></td>
</tr>
<tr>
<td>or PSC 320</td>
<td>U.S. Foreign Policy</td>
<td></td>
</tr>
<tr>
<td>PAX 201</td>
<td>Global Perspectives</td>
<td></td>
</tr>
</tbody>
</table>

**Dynamics of Activism and Advocacy**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRH 315</td>
<td>Propaganda, Power, and Politics</td>
<td></td>
</tr>
<tr>
<td>or WRH 335</td>
<td>Advocacy Writing</td>
<td></td>
</tr>
<tr>
<td>PHI 207</td>
<td>Philosophies of Non-violence</td>
<td></td>
</tr>
</tbody>
</table>

**Communication/Negotiation Skills**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 204</td>
<td>Interpersonal Communication</td>
<td></td>
</tr>
<tr>
<td>or COM 216</td>
<td>Small Group Communication</td>
<td></td>
</tr>
<tr>
<td>or COM 410</td>
<td>Conflict Resolutions</td>
<td></td>
</tr>
<tr>
<td>CRJ 470</td>
<td>Interpersonal Relations</td>
<td></td>
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</tbody>
</table>

**Power and Politics/Social Justice**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO 230</td>
<td>Environmental Conservation and Sustainability</td>
<td></td>
</tr>
<tr>
<td>or GEO 332</td>
<td>Environmental Crises</td>
<td></td>
</tr>
<tr>
<td>HIS 332</td>
<td>The Holocaust</td>
<td></td>
</tr>
<tr>
<td>HIS 362</td>
<td>Violence in America</td>
<td></td>
</tr>
<tr>
<td>HIS 375</td>
<td>A History of the Arab-Israeli Conflict</td>
<td></td>
</tr>
<tr>
<td>LIT 309</td>
<td>Thoughts/Writings of Martin Luther King</td>
<td></td>
</tr>
<tr>
<td>PSC 323</td>
<td>Racial/Ethnic Politics</td>
<td></td>
</tr>
<tr>
<td>or PSC 340</td>
<td>Latin American Culture and Politics</td>
<td></td>
</tr>
<tr>
<td>SOC 335</td>
<td>Racial and Cultural Minorities</td>
<td></td>
</tr>
<tr>
<td>or SOC 341</td>
<td>Social Stratification</td>
<td></td>
</tr>
<tr>
<td>SWO 225</td>
<td>Race Relations</td>
<td></td>
</tr>
<tr>
<td>WOS 315</td>
<td>Women of the Global South</td>
<td></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 Arts & Sciences
117A Schmucker Science Center South
610-436-2939
Pharmaceutical Product Development Program (http://www.wcupa.edu/ACADEMICS/sch_cas/pharm)
e-mail: ppd@wcupa.edu
Stephen J. Zimniski (szimniski@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 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

Major in Pharmaceutical Product Development
- B.S. in Pharmaceutical Product Development (p. 384)

Policies
- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

Faculty

Professors
John Gault (jgault@wcupa.edu) (1991)
B.S., U.S. Naval Academy; M.B.A., University of Pennsylvania; Ph.D., Drexel University
Gustave N. Mbuy (gmbuy@wcupa.edu) (1985)
B.A., University of California; M.M., Ph.D., University of Cincinnati
Randall H. Rieger (rrieger@wcupa.edu) (2000)
B.A., Bowdoin College; M.S., Ph.D., University of North Carolina
Judith A. Scheffler (jscheffler@wcupa.edu) (1985)
A.B., Muhlenburg College; M.A., Purdue University; M.A., Ph.D., University of Pennsylvania

Associate Professors
Joel M. Ressner (jressner@wcupa.edu) (1984)
B.S., Lehigh University; M.Sc., University of Sussex; Ph.D., Lehigh University
Stephen J. Zimniski (szimniski@wcupa.edu) (2006)
Director, Pre-Medical Program

Director
B.S., University of Maine–Orono; M.A., University of Missouri; Ph.D., Boston University

Assistant Professor
James R. Pruitt (jpruitt@wcupa.edu) (2011)
B.S., Ph.D., University of California

Courses

PPD

PPD 481. Drug Design I. 3 Credits.
This course emphasizes the discovery portion of drug development and illustrates the major concepts in medicinal chemistry. The scientific tools used such as high throughput screening, genomics and computational chemistry, are considered. Criteria for making a compound workable as a drug are discussed, and the selection of the administration route is reviewed. Pre / Co requisites: PPD 481 requires CO REQ STA 311 or permission of instructor. Typically offered in Spring.

PPD 482. Drug Design II. 3 Credits.
A course emphasizing pharmacokinetic and toxicokinetic aspects of drugs. Sites and mechanisms of drug reaction and drug metabolism are discussed. Drug toxicology is also explored in depth. Laboratory therapeutic drug monitoring as a measure of improving drug efficacy is considered. Pre / Co requisites: PPD 482 requires prerequisites of PPD 481 and BIO 367. Typically offered in Fall.

PPD 483. Drug Design III. 3 Credits.
This course emphasizes the discovery portion of drug development and illustrates the major concepts in medicinal chemistry. The scientific tools used such as high throughput screening, genomics and computational chemistry, are considered. Criteria for making a compound workable as a drug are discussed, and the selection of the administration route is reviewed. Pre / Co requisites: PPD 483 requires prerequisites of PPD 482, BIO367 and BIO467. Typically offered in Spring.

PPD 484. Pharmaceutical Internship I. 1 Credit.
A summer, paid internship experience with a pharmaceutical or biotechnology company. These internships are designed to provide experiences in key aspects of the pharmaceutical industry. Students will be supervised jointly by an on-site professional scientist and a member of the Pharmaceutical Product Development Program Committee. Pre / Co requisites: PPD484 requires prerequisites of BIO 220 and BIO 230 and BIO 214 and BIO 333 and CHE 232. Typically offered in Summer. Repeatable for Credit.

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 Pre Req - requires PPD 481 and a co-req of PPD 483. Typically offered in Fall & Spring. Repeatable for Credit.

B.S. IN PHARMACEUTICAL PRODUCT DEVELOPMENT

College of Arts & Sciences

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)
Academic Foundations requirements 12

English Composition (6 credits)

Math (3 credits)

MAT 121 Statistics (will be required and will fulfill the basic skills mathematics requirement)

Public Speaking (3 credits)

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

Additional Baccalaureate Requirements

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 3
CHE 104 General Chemistry II 3
CHE 231 Organic Chemistry I 4
CHE 232 Organic Chemistry II 3
CHE 476 Biochemistry I 3
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 232 Experimental Organic Chemistry II Lab 2

Biology Requirements

BIO 110 General Biology 3
BIO 214 General Microbiology 4
BIO 220 Cell Physiology 3
BIO 230 Genetics 3
BIO 367 Physiology of Drug Interactions 3
BIO 469 Human Physiology 4
BIL 333 Recombinant DNA Methodology 2

Major Requirements

PPD 481 Drug Design I 3
PPD 482 Drug Design II 3
PPD 483 Drug Design III 3
PPD 484 Pharmaceutical Internship I 1

Related/Cognate Requirements

ENG 371/375 Technical Writing 3
MAT 108/161 Brief Calculus 3
PHY 130 General Physics I 4
PHY 140 General Physics II 4
SPK 230 Business and Professional Speech Communication 3
STA 311 Intro Statistical Computing and Data Management 3

Major Electives

Courses are to be chosen from the following list in consultation with an adviser. 7

BIO 217 General Zoology
BIO 307 Pathophysiology
BIO 314 Pathogenic Microbiology
BIO 334 Microbial Genetics

BIO 357 Comparative Vertebrate Anatomy
BIO 421 Cellular and Molecular Biology
BIO 428 Animal Histology
BIO 431 Molecular Genetics
BIO 454 Mycology
BIO 456 Virology
BIO 464 Microbial Physiology
BIO 465 Immunology
BIO 467 Endocrinology
BIO 484 Epidemiology
BLA 201 Legal Environment of Business
CHE 321 Analytical Chemistry I
CHE 333 Advanced Organic Chemistry
CHE 403 Chemistry of the Environment
CHE 424 Advanced Analytical Chemistry
CHE 436 Polymer Chemistry
CHE 477 Biochemistry II
CHE 479 Chemical Toxicology
CRL 321 Analytical Chemistry I Lab
CRL 424 Analytical Chemistry II Lab
CRL 436 Polymer Chemistry Lab
CRL 476 Experimental Biochemistry I Lab
CRL 477 Experimental Biochemistry II Lab
MAT 122 Introduction to Stats II
MAT 162 Calculus II
MAT 261 Calculus III
MAT 319 Applied Statistics
MAT 421 Mathematical Statistics I
MAT 422 Mathematical Statistics II
MKT 200 Survey of Marketing
PPD 485 Pharmaceutical Internship II
PPD 490 Special Topics in Drug Development

Total Minimum Credits Required 120

This course also satisfies the general education requirement.

Degree Progress

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 Department of Philosophy offers two concentrations leading to the bachelor of arts degree.

- **The Philosophy concentration** surveys the history of philosophy, explores its major disciplines, and focuses on selected topics of perennial interest. The purpose of the program is to develop the organizational, analytic, and expressive skills required for law school, graduate work in philosophy, and a wide range of careers in government, business, and industry.

- **The Religious Studies concentration** is a valuable preparation for careers in fields where an understanding of religious/cultural background and diversity is crucial, such as education, public relations, international affairs, and business. Undergraduate work in religious studies can also enrich students’ personal lives and may be used to prepare students for seminary study at the graduate level.

### Minor Programs

Students may minor in either philosophy or religious studies. A minimum of 18 semester hours is required. Elective courses are selected in consultation with the student’s minor adviser. Either of these minors may be taken as a concentration in the bachelor of arts in liberal studies general degree program.

### Programs

#### Majors in Philosophy
- B.A. in Philosophy (p. 389)
- B.A. in Religious Studies (p. 390)

#### Minors in Philosophy
- Applied Ethics (p. 390)
- Philosophy (p. 390)
- Religious Studies (p. 391)

### Graduate Opportunities

See the graduate catalog for more information on the Philosophy program. (http://catalog.wcupa.edu/graduate/art-sciences/philosophy)

### Policies

- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

### Faculty

#### Professor
- Ruth Porritt (rporritt@wcupa.edu) (1991)
- B.A., John Carroll University; Ph.D., Purdue University

#### Associate Professors
- Timothy J. Golden (tgolden@wcupa.edu) (2011)
- B.S., M.A., West Chester University; J.D., Texas Southern University; Ph.D., University of Memphis
- Matthew Pierlott (mpierlott@wcupa.edu) (2006)
- Assistant Director, Honors College
- B.A., University of Scranton; Ph.D., Marquette University

Helen Schroepfer (hschroepfe@wcupa.edu) (2005)
- Chairperson, Philosophy
- B.A., College of St. Benedict/St. John’s University; M.A., St. Mary’s Seminar and University; Ph.D., Temple University

Joan Woolfrey (jwoolfrey@wcupa.edu) (2000)
- Graduate Coordinator, Philosophy
- B.S., North Dakota State University; M.A., The New School for Social Research; Ph.D., University of Oregon

### Assistant Professors

- Daniel Forbes (dforbes@wcupa.edu) (2007)
- B.A., Dickinson College; Ph.D., University of Georgia
- Steven Patrick James (sjames@wcupa.edu) (2014)
- B.A., University of Colorado; Ph.D., University of Texas
- Dean J. Johnson (djohnson4@wcupa.edu) (2013)
- B.A., Manchester University; M.A., Bethany Theological Seminary; Ph.D., University of Denver
- Elizabeth Ann Ruchti (eruchti@wcupa.edu) (2011)
- B.A., Mount Holyoke College; M.A., New York University; Ph.D., Ohio University
- Cassie Ann Striblen (estriblen@wcupa.edu) (2010)
- B.A., Ohio University; M.A., Ph.D., University of Cincinnati
- Irwin Larry Udell (iudell@wcupa.edu) (2011)
- B.A., M.A., Ph.D., Ohio State University

### Courses

#### 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.

- **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.
  - Gen Ed Attribute: Interdisciplinary Requirement.
  - 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.
  - 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.
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 Friedrich Nietzsche, Jean-Paul Sartre, Albert Camus, and Simone de Beauvoir, we will explore basic existential themes such as the formulation 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.
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.
Typically offered in Fall, Spring & Summer.

PHI 102. Introduction to Religious Study. 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 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 with PHI125, PHY125.

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.
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, diverse communities course.
Gen Ed Attribute: Diversity Requirement, Humanities Distributive.
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.
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.
Typically offered in Fall & Spring.
Repeatable for Credit.
PHI 284. American Philosophies. 3 Credits.
Leaders in science, literature, religion, and government who have shaped American thought. Philosophers of Puritanism, the Revolution, Transcendentalism, and native schools of Realism, Idealism, and Pragmatism.
Typically offered in Spring.

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.

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.
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 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: Add consent.

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: PHI405 requires prerequisite of WOS225.
Consent: Add consent.
Typically offered in Spring.
Cross listed with 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: Add consent.
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: PHI412 requires prerequisites of PHI 101 or PHI180 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.
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: PHI422 requires prerequisite 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 quantificational arguments. The algebra of classes.
Pre / Co requisites: PHI436 requires prerequisite of PHI 190.
Typically offered in Spring.

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 modern 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: PHI499 requires prerequisite of six hours of philosophy, senior standing, and an overall minimum GPA of 2.00.
Typically offered in Fall & Spring.
Repeatable for Credit.

B.A. IN PHILOSOPHY
College of Arts & Sciences
Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)
Academic Foundations requirements
English Composition (6 credits) 12
Math (3 credits)
Public Speaking (3 credits)
Science requirements 6
Behavioral & Social Science requirements 6
Humanities requirements 6
Arts requirement 3
Diverse Communities requirement 3
Interdisciplinary requirement 3
Student Electives 9

Additional Baccalaureate Requirements
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

Majors Requirements 1

PHI 190 Logic 3
PHI 270 History of Ancient Philosophy 3
PHI 272 History of Modern Philosophy 3
PHI 355 Political Philosophy 3
PHI 412 Ethical Theories 3
PHI 499 Philosophical Concepts and Systems 3
Choose one of the following philosophy courses: 3
PHI 204 Philosophies and Religions of India
PHI 205 Philosophies and Religions of the Far East
PHI 405 Feminist Theory
Must have 30 Philosophy credit hours. Take an additional 12 credit hours.

Electives

Select 27-42 semester hours 27-42
Total Minimum Credits Required 120

1  Lower-level core courses must be passed with a grade of C or better.

Degree Progress
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; courses offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

Year One
<table>
<thead>
<tr>
<th>Semester One</th>
<th>Credits</th>
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<tbody>
<tr>
<td>WRT 120 Effective Writing I</td>
<td>3</td>
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<tr>
<td>PHI 190 Logic</td>
<td>3</td>
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<tr>
<td>PHI 270 History of Ancient Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>MAT 1XX History of Ancient Philosophy</td>
<td>3</td>
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Credits 15

Year Two
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<tr>
<th>Semester Three</th>
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<tr>
<td>WRT 2 Effective Writing I</td>
<td>3</td>
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<tr>
<td>PHI 272 History of Modern Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>Major Elective #1</td>
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<tr>
<td>Gen Ed Distributive</td>
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Credits 15

Year Three
<table>
<thead>
<tr>
<th>Semester Five</th>
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<tbody>
<tr>
<td>PHI 355 Political Philosophy</td>
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<tr>
<td>Diversity (J) Course</td>
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<td>Gen Ed Distributive or Free Elective</td>
<td>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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Credits 15

Year Four
<table>
<thead>
<tr>
<th>Semester Six</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Major Elective - Diversity (choose from one of the following courses)</td>
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</tr>
<tr>
<td>PHI 204 Philosophies and Religions of India</td>
<td>3</td>
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<tr>
<td>PHI 205 Philosophies and Religions of the Far East</td>
<td>3</td>
</tr>
<tr>
<td>PHI 405 Feminist Theory</td>
<td>3</td>
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<tr>
<td>Interdisciplinary (I) Course</td>
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<tr>
<td>Gen Ed Distributive or Free Elective</td>
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</table>

Credits 15
B.A. IN RELIGIOUS STUDIES

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
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
Gen Ed Distributive or Free Elective 3

Credits 15

MINOR IN APPLIED ETHICS

Required Courses
PHI 180 Introduction to Ethics 3
PHI 150 Critical Thinking and Problem Solving 3
or PHI 190 Logic 3
PHI 412 Ethical Theories 3

Electives
Select two of the following: 6
PHI 207 Philosophies of Non-violence
PHI 282 Animal Ethics
PHI 340 Contemporary Moral Issues
PHI 371 Medical Ethics
PHI 373 Business Ethics
PHI 411 The Problem of War
PHI 421 Philosophy of Law
PHI 480 Environmental Ethics
PHI 481 Philosophy of Human Rights
PHI 482 Social Philosophy

Philosophy or Related Elective
Must be at the 300-level or above. Related course must be approved by the department chair. 3

Total Credits 18

MINOR IN PHILOSOPHY

Required Courses
PHI 101 Introduction to Philosophy 3
PHI 150 Critical Thinking and Problem Solving 3
or PHI 190 Logic 3
PHI 174 Principles of the Arts 3
or PHI 180 Introduction to Ethics 3

Select one of the following: 3
PHI 270 History of Ancient Philosophy
PHI 271 History of Medieval Philosophy
PHI 272 History of Modern Philosophy
PHI 273 History of Non-Western Philosophy

Philosophy Electives
Select 6 semester hours under advisement 6

Total Credits 18
# MINOR IN RELIGIOUS STUDIES

**College of Arts & Sciences**

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PHI 102</td>
<td>Introduction to Religious Study</td>
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<tr>
<td>PHI 206</td>
<td>Religions of the West</td>
<td>3</td>
</tr>
<tr>
<td>PHI 204</td>
<td>Philosophies and Religions of India</td>
<td>3</td>
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<tr>
<td>or PHI 205</td>
<td>Philosophies and Religions of the Far East</td>
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</table>

Select three courses (at least two must be at or above the 300 level) from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ANT 344</td>
<td>Magic, Religion &amp; Witchcraft</td>
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<tr>
<td>or SOC 344</td>
<td>Sociology of Religion</td>
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<tr>
<td>PHI 125</td>
<td>Theology &amp; Science: Enemies or Partners?</td>
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<tr>
<td>PHI 130</td>
<td>Religion in the United States</td>
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<tr>
<td>PHI 204</td>
<td>Philosophies and Religions of India</td>
<td></td>
</tr>
<tr>
<td>PHI 205</td>
<td>Philosophies and Religions of the Far East (if not taken above)</td>
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<tr>
<td>PHI 207</td>
<td>Philosophies of Non-violence</td>
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<tr>
<td>PHI 271</td>
<td>History of Medieval Philosophy</td>
<td></td>
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<tr>
<td>PHI 310</td>
<td>New Religious Movements</td>
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<tr>
<td>PHI 349</td>
<td>Ideas of the Bible</td>
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<tr>
<td>PHI 390</td>
<td>Women and Religion</td>
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<tr>
<td>PHI 414</td>
<td>Philosophy of Religion</td>
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</tr>
</tbody>
</table>

**Total Credits** 18
DEPARTMENT OF PHYSICS AND PRE-ENGINEERING PROGRAM

College of Arts & Sciences
127 Merion Science Center
610-436-2497
Department of Physics (http://www.wcupa.edu/_academics/sch_cas.phy)
Anthony J. Nicastro (anicastro@wcupa.edu), Chairperson

The Department of Physics 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 or with Philadelphia University.

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.

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/_academics/sch_cas.phy/.

Cooperative Physics/Engineering Programs

The Department of Physics, in cooperation with The Pennsylvania State University (http://www.psu.edu) at University Park, offers degree programs in physics and engineering requiring three years at West Chester University plus two years at The Pennsylvania State University.

At the end of this period, the student receives two baccalaureate degrees: a B.S. in physics from West Chester and a B.S. in engineering from Penn State.

Transfer students and students who have completed a bachelor's degree are not eligible for this program.

Areas of study in engineering at The Pennsylvania State University at University Park are the following:

- Biological Engineering
- Computer Engineering
- Electrical Engineering
- Energy Engineering
- Engineering Science
- Environmental Systems Engineering
- Materials Science and Engineering
- Mining Engineering
- Nuclear Engineering

A similar, dual degree cooperative physics/engineering program is available through West Chester University's affiliation with the School of Design and Engineering of Philadelphia University (http://www.philau.edu/engineeringandtextiles). This program is available to all freshmen as well as transfer students. Areas of study in engineering at Philadelphia University are the B.S.E. programs in general engineering and mechanical engineering with minor tracks in industrial, architectural, composites, and textile engineering. Contact the Department of Physics for further information on either of these cooperative programs.

Admission to The Pennsylvania State University or to Philadelphia University is contingent on a recommendation from the Department of Physics and the student having maintained the overall average for the specific engineering major. Most areas of engineering require a minimum of 3.0 GPA for admission at the junior level. Some are higher.

Programs

**Majors in Physics and Pre-Engineering**

- B.S. in Physics (p. 394)
- B.S.Ed. in Physics (p. 397)
- B.S. in Physics/B.S. in Engineering (p. 395)

**Minor in Physics and Pre-Engineering**

- Physics (p. 398)

Policies

- See undergraduate admissions information (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures).
- See academic policies (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures).

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.

<table>
<thead>
<tr>
<th>AP Test</th>
<th>Score on AP Test</th>
<th>4</th>
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<tr>
<td>Physics B</td>
<td>PHY 130</td>
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<tr>
<td>Physics C Mechanics</td>
<td>PHY 170</td>
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<tr>
<td>Physics C Electricity and Magnetism</td>
<td>PHY 180</td>
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</tr>
</tbody>
</table>

Faculty

**Professor**

Anthony J. Nicastro (anicastro@wcupa.edu) (1990)
Chairperson, Physics and Pre-Engineering Program
B.S., B.S., M.S., Ph.D., University of Delaware

**Associate Professors**

Kevin B. Aptowicz (kaptowicz@wcupa.edu) (2005)
B.S., Columbia University; M.S., University of Colorado; Ph.D., Yale University

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
Anil Kumar Kandalam (akandalam@wcupa.edu) (2012)
B.Sc., 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

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.
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.
Typically offered in Fall & Spring.

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.
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 with PHI125, PHY125.

PHY 130. General Physics I. 4 Credits.
LAB, LEC.
An introductory, noncalculus, physics course. Mechanics of solids and fluids, wave motion, heat and temperature, thermodynamics, and kinetic theory.
Gen Ed Attribute: Science Distributive.
Typically offered in Fall, Spring & Summer.

PHY 140. General Physics II. 4 Credits.
LAB, LEC.
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.
Typically offered in Fall, Spring & Summer.

PHY 170. Physics I. 4 Credits.
DIS, LAB, LEC.
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 prerequisite of PHY 161.
Gen Ed Attribute: Science Distributive.
Typically offered in Fall & Spring.

PHY 180. Physics II. 4 Credits.
DIS, LAB, LEC.
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 PHY 162.
Gen Ed Attribute: Science Distributive.
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. 2 Credits.
A laboratory course to familiarize students with laboratory equipment and methods by performing a series of classical and modern physics experiments. The results of these are reported through both oral presentations and written reports.
Pre / Co requisites: PHY 310 requires co-requisite of PHY 240.
Gen Ed Attribute: Writing Emphasis.
Typically offered in Fall & Spring.

PHY 320. Intermediate Physics Lab II. 2 Credits.
A continuation of PHY 310, but including an introduction to writing scientific proposals and the use of computers for data acquisition. Students are required to propose and complete an experiment of their own design as one part of this course.
Pre / Co requisites: PHY 320 requires prerequisites of PHY 310 and CSC 141.
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 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. Atomic Physics & Quantum Mechanics. 3 Credits.
Fundamental concepts of quantum mechanics with application to atomic physics. Topics covered are Bohr model, Schrödinger equation with applications, perturbation theory, helium atom, and scattering theory.
Pre / Co requisites: PHY 420 requires prerequisites of PHY 240 and PHY 300 and MAT 343 or PHY 370.
Typically offered in Spring.

PHY 430. Electricity and Magnetism. 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 Spring.

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.
Typically offered in Fall.
Repeatable for Credit.

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 PHYSICS

College of Arts & Sciences

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

Academic Foundations requirements 12
   English Composition (6 credits)
   Math (3 credits)
       Public Speaking (3 credits)

Science requirements 6
   Behavioral & Social Science requirements 6
   Humanities requirements 6
   Arts requirement 3
   Diverse Communities requirement 3
   Interdisciplinary requirement 3
   Student Electives 9

Additional Baccalaureate Requirements
   Writing Emphasis requirements 9

Major Requirements
   PHY 170  Physics I 4
   PHY 180  Physics II 4
   PHY 240  Introduction to Modern Physics 3
   PHY 300  Mechanics 3
   PHY 310  Intermediate Physics Lab I 2
   PHY 320  Intermediate Physics Lab II 2
   PHY 330  Electronics I 3
   PHY 350  Heat and Thermodynamics 3
   PHY 370  Mathematical Physics 3
   PHY 420  Atomic Physics & Quantum Mechanics 3
   PHY 430  Electricity and Magnetism 3
   Select an additional 6 credits in physics from available electives at or above the 250 level 6

Related/Cognate Requirements
   CSC 141  Computer Science I 1 3
   MAT 161  Calculus I 1 4
   MAT 162  Calculus II 4
   MAT 261  Calculus III 4
   MAT 343  Differential Equations 3
   CHE 103  General Chemistry I 1 3
   CHE 104  General Chemistry II 3
   CRL 103  Experimental General Chemistry I (LAB) 1 1
   CRL 104  Experimental General Chemistry II (LAB) 1 1

Free Electives
   Select 17 semester hours 17

Total Minimum Credits Required 120

1 Also fulfills general education requirement

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.

Degree Progress

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; courses 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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<tbody>
<tr>
<td>WRT 120 Effective Writing I</td>
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<tr>
<td>MAT 161 Calculus I</td>
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<td>Behavioral &amp; Social Sci Elective</td>
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#### Semester Two

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<td>WRT 2XX Effective Writing II</td>
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<td>MAT 162 Calculus II</td>
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<td>PHY 170 Physics I</td>
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<td>Humanities Gen. Ed. Electives</td>
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### Year Two

#### Semester Three

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<tr>
<td>MAT 261 Calculus III</td>
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<td>PHY 180 Physics II</td>
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#### Semester Four

<table>
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<tr>
<td>CHE 104 General Chemistry II</td>
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<td>MAT 343 Differential Equations</td>
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<td>PHY 240 Introduction to Modern Physics</td>
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### Year Three

#### Semester Five

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<tr>
<td>PHY 300 Mechanics</td>
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<td>PHY 310 Intermediate Physics Lab I</td>
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<tr>
<td>PHY 330 Electronics I</td>
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<tr>
<td>Behavioral &amp; Social Sci. Elective</td>
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<td>Free Electives</td>
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#### Semester Six

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<td>PHY 370 Mathematical Physics</td>
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<td>PHY 320 Intermediate Physics Lab II</td>
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<tr>
<td>PHY 430 Electricity and Magnetism</td>
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<tr>
<td>PHY Physics Elective</td>
<td>3</td>
</tr>
<tr>
<td>SPK Communicat. Gen. Ed. Elective</td>
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<tr>
<td>Elective</td>
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### Year Four

#### Semester Seven

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<td>PHY 350 Heat and Thermodynamics</td>
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<td>Arts Gen. Ed. Elective</td>
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</tr>
<tr>
<td>Humanities Gen. Ed. Elective</td>
<td>3</td>
</tr>
<tr>
<td>Gen. Ed. Free Elective</td>
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#### Semester Eight

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<th>Course</th>
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<tr>
<td>PHY 420 Atomic Physics Quantum Mechanics</td>
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<td>Diverse Comm. Elective</td>
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<td>3</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Credits</strong></td>
<td><strong>15</strong></td>
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</tbody>
</table>

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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 Arts & Sciences**

**Curriculum**

**General Education Requirements**

- Academic Foundations requirements 12
  - English Composition (6 credits)
  - Math (3 credits)
  - Public Speaking (3 credits)
- Science requirements 6
- Behavioral & Social Science requirements 6
- Humanities requirements 6
- Arts requirement 3
- Diverse Communities requirement 3
- Interdisciplinary requirement 3
- Student Electives 9

**Additional Baccalaureate Requirements**

- Writing Emphasis requirements 9

**Major Requirements**

- PHY 115 Engineering Graphics I 1
- PHY 116 Engineering Graphics II 1
- PHY 170 Physics I 4
- PHY 180 Physics II 4
- PHY 240 Introduction to Modern Physics 3
- PHY 260 Engineering Statics 3
- PHY 300 Mechanics 3
- PHY 310 Intermediate Physics Lab I 2
- PHY 320 Intermediate Physics Lab II 2
- Select an additional nine credits in physics at or above the 300 level must be chosen, depending on the engineering area selected

**Related/Cognate Requirements**

- CSC 141 Computer Science I 3
- MAT 161 Calculus I 4
- MAT 162 Calculus II 4
- MAT 261 Calculus III 4
- MAT 343 Differential Equations 3
- CHE 103 General Chemistry I 3
  - CHE 104 General Chemistry II 3
### Cooperative Physics-Engineering Dual-Degree Programs

B.S. Physics, West Chester University and B.S. Engineering, from either The Pennsylvania State University or Philadelphia University

#### Year One

<table>
<thead>
<tr>
<th>Semester One</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 161 (^1) Calculus I</td>
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</tr>
<tr>
<td>PHY 115 Engineering Graphics I</td>
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<tr>
<td>WRT 120 (^2) Effective Writing I</td>
<td>3</td>
</tr>
<tr>
<td>ECO 111 or 112 (^2) Principles of Economics (Macro)</td>
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<tr>
<td>CSC 141 (^2) Computer Science I</td>
<td>3</td>
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<tr>
<td>Arts Gen. Ed. Elective (^2)</td>
<td>3</td>
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<tr>
<td><strong>Total Minimum Credits Required</strong></td>
<td><strong>17</strong></td>
</tr>
</tbody>
</table>

1. These courses meet a general education requirement.

2. Upper-level courses (numbered 300 or above) must be completed with a grade of C or higher.

3. Majors shall not be permitted more than one repeat of a Physics course.

4. Penn State is currently not accepting 2-3 students into Aerospace Engineering, Architectural Engineering, Bioengineering, Chemical Engineering, Civil Engineering, Computer Engineering, Industrial Engineering, Mechanical Engineering, Nuclear Engineering, Petroleum and Natural Gas Engineering.

5. Transfer to The Pennsylvania State University or to a Philadelphia University is contingent upon recommendation by the Department and having a minimum GPA of 3.0.

6. Note: The program with Penn State is not available to transfer students and must be completed in three years. These restrictions do no apply to the program with Philadelphia University. In addition, Penn State is currently not accepting 2-3 students into Aerospace Engineering.

#### Year Two

<table>
<thead>
<tr>
<th>Semester Three</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MAT 261 Calculus III</td>
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<tr>
<td>MAT 311 (^1) Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>PHY 180 Physics II</td>
<td>4</td>
</tr>
<tr>
<td>CHE 103 (^2) General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CRL 103 Experimental General Chemistry I (LAB)</td>
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</tr>
<tr>
<td>Behav. &amp; Soc. Gen. Ed. Elective (^2)</td>
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<tr>
<td><strong>Total Minimum Credits Required</strong></td>
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#### Year Three

<table>
<thead>
<tr>
<th>Semester Five</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>PHY 300 Mechanics</td>
<td>3</td>
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<tr>
<td>PHY 310 Intermediate Physics Lab I</td>
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<tr>
<td>PHY Physics Elective (^4)</td>
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<tr>
<td>Humanities Gen. Ed. Elective (^2)</td>
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<tr>
<td>'I' Course (^2)</td>
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<tr>
<td>3-2 Elective Course (^2)</td>
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<td><strong>Total Minimum Credits Required</strong></td>
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#### Semester Six

<table>
<thead>
<tr>
<th>Credits</th>
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<tbody>
<tr>
<td>PHY 320 Intermediate Physics Lab II</td>
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<tr>
<td>PHY Physics Elective (^4)</td>
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<td>PHY Physics Elective (^4)</td>
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<tr>
<td>Humanities Gen. Ed. Elective (^2)</td>
</tr>
<tr>
<td>3-2 Elective Course (^2)</td>
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<tr>
<td>3-2 Elective Course (^2)</td>
</tr>
<tr>
<td><strong>Total Minimum Credits Required</strong></td>
</tr>
</tbody>
</table>

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 shall not be permitted more than one repeat of a Physics course.
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 The Pennsylvania State University or to a Philadelphia University is contingent upon recommendation by the Department and having a minimum GPA of 3.0.


**Philadelphia University offers** Bachelor of Science in Engineering degrees in Mechanical Engineering and Engineering, which have
concentrations in Architectural Engineering, Industrial and Systems Engineering, Composites Engineering and Textile Engineering.

Students intending to enroll in Electrical Engineering should take PHY 330 and PHY 430.

**B.S.ED. IN PHYSICS**

**College of Arts & 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>Academic Foundations requirements</th>
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<tbody>
<tr>
<td>English Composition (6 credits)</td>
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<tr>
<td>Math (3 credits)</td>
<td></td>
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<tr>
<td>Public Speaking (3 credits)</td>
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</tbody>
</table>

**Science requirements**

1

**Behavioral & Social Science requirements**

6

**Humanities requirements**

6

**Arts requirement**

3

**Diverse Communities requirement**

3

**Interdisciplinary requirement**

3

**Student Electives**

9

**Additional Baccalaureate Requirements**

**Writing Emphasis requirements**

9

**Major Requirements**

<table>
<thead>
<tr>
<th>PHY 170</th>
<th>Physics I</th>
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<tbody>
<tr>
<td>PHY 180</td>
<td>Physics II</td>
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<tr>
<td>PHY 240</td>
<td>Introduction to Modern Physics</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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<tr>
<td>PHY 320</td>
<td>Intermediate Physics Lab II</td>
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<td>PHY 330</td>
<td>Electronics I</td>
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<tr>
<td>PHY 410</td>
<td>Optics</td>
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<tr>
<td>or PHY 430</td>
<td>Electricity and Magnetism</td>
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**Related/Cognate Requirements**

<table>
<thead>
<tr>
<th>MAT 161</th>
<th>Calculus I</th>
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<tr>
<td>MAT 162</td>
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<td>MAT 261</td>
<td>Calculus III</td>
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<td>MAT 343</td>
<td>Differential Equations</td>
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<tr>
<td>or PHY 370</td>
<td>Mathematical Physics</td>
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<tr>
<td>CHE 103</td>
<td>General Chemistry I</td>
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<td>CHE 104</td>
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<td>CRL 103</td>
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<td>CRL 104</td>
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<td>CSC 141</td>
<td>Computer Science I</td>
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<td>PHY 105</td>
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<td>or ESS 111</td>
<td>Other Worlds, Other Stars</td>
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Select one elective in biology 1

**Professional Certification Requirements**

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<tr>
<th>EDP 250</th>
<th>Educational Psychology</th>
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<tr>
<td>EDF 300</td>
<td>Democracy and Education 1</td>
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<td>EDA 103</td>
<td>Foundations of Special Education</td>
<td>3</td>
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<td>EDA 304</td>
<td>Special Ed Processes/Procedures for Secondary Educators</td>
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<td>EDR 347</td>
<td>Literacy Development and Secondary Students with Disabilities in Inclusive Classrooms</td>
<td>3</td>
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<td>LAN/ENG 382</td>
<td>Teaching English Language Learners PK-12 1</td>
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<td>EDS 306</td>
<td>Teaching Principles and Field Experience in Secondary Schools</td>
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<td>SCE/SCB 350</td>
<td>Science Education in the Secondary School</td>
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<td>EDS 412</td>
<td>Student Teaching Sec - 2nd Half</td>
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**Total Minimum Credits Required**

125

1 These courses meet a general education requirement.

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. 239) section of this catalog for an explanation of related requirements.

**Degree Progress**

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; courses offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

**Year One**

<table>
<thead>
<tr>
<th>Semester One</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MAT 161 1</td>
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<tr>
<td>CSC 141</td>
<td>Computer Science I</td>
</tr>
<tr>
<td>WRT 120 1</td>
<td>Effective Writing I</td>
</tr>
<tr>
<td>SPK 208 or 230 1</td>
<td>Public Speaking</td>
</tr>
<tr>
<td>ANT, PSY, SOC, ECO, GEO, PSC - Behavioral &amp; Social Sciences Course</td>
<td>3</td>
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</tbody>
</table>

**Credits**

16

<table>
<thead>
<tr>
<th>Semester Two</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 162</td>
<td>Calculus II</td>
</tr>
<tr>
<td>PHY 170</td>
<td>Physics I</td>
</tr>
<tr>
<td>WRT 200 1</td>
<td>Critical Writing and Research</td>
</tr>
<tr>
<td>LIT or CLS - Humanities Course 2</td>
<td>3</td>
</tr>
<tr>
<td>Arts Course 1</td>
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</table>

| Credits | 17 |

<table>
<thead>
<tr>
<th>Semester Three</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 261</td>
<td>Calculus III</td>
</tr>
<tr>
<td>PHY 180</td>
<td>Physics II</td>
</tr>
<tr>
<td>CHE 103 1</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>CRL 103 1</td>
<td>Experimental General Chemistry I (LAB)</td>
</tr>
<tr>
<td>PHY 105</td>
<td>Structure of the Universe</td>
</tr>
<tr>
<td>EDP 250 2</td>
<td>Educational Psychology</td>
</tr>
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</table>

| Credits | 18 |

<table>
<thead>
<tr>
<th>Semester Four</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 343 or PHY 370</td>
<td>Differential Equations</td>
</tr>
<tr>
<td>PHY 240</td>
<td>Introduction to Modern Physics</td>
</tr>
<tr>
<td>CHE 104</td>
<td>General Chemistry II</td>
</tr>
<tr>
<td>CRL 104</td>
<td>Experimental General Chemistry II (LAB)</td>
</tr>
<tr>
<td>EDA 103 3</td>
<td>Foundations of Special Education</td>
</tr>
<tr>
<td>EDF 300 3</td>
<td>Democracy and Education</td>
</tr>
</tbody>
</table>

Submit application for Formal Admission to Teachers Education (FATE) at the end of Semester 4

| Credits | 16 |
**MINOR IN PHYSICS**

**College of Arts & Sciences**

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 writing, or Social Science majors interested in the area of energy and the environment.

**Required Courses**

Select one of the following sequences:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 130</td>
<td>3</td>
</tr>
<tr>
<td>&amp; PHY 140</td>
<td></td>
</tr>
<tr>
<td>&amp; PHY 150</td>
<td></td>
</tr>
<tr>
<td>PHY 170</td>
<td>3</td>
</tr>
<tr>
<td>&amp; PHY 180</td>
<td></td>
</tr>
<tr>
<td>SCB 350 or SCE</td>
<td>3</td>
</tr>
</tbody>
</table>

**Credits**

A 2.8 GPA must be maintained to retain Formal Admission status. A 3.0 GPA is required for Teacher Certification.

Courses with Field Experience requires clearances. Consult the College of Education information page regarding clearances for more information.

**Requirements for Formal Admission to Teachers Education (FATE)**

- Earned a minimum of 48 credits in courses numbered 100 level or higher
- Earn a minimum cumulative GPA of 2.8
- Earned passing scores on the PAPA test modules in Reading, Writing, and Mathematics
- Earned 3 credits in college-level English composition (WRT 120)
- Earned 3 credits in college-level English literature (LIT or CLS), defined to be any course in which English is the native language of the authors of the texts required for the course
- Earned 6 credits in college-level Mathematics (MAT 161 and MAT 162)
- Received Departmental approval (indicated by the signature of the B.S.Ed. Program Coordinator on the FATE application form)

A 2.8 GPA must be maintained to retain Formal Admission status. A 3.0 GPA is required for Teacher Certification.

Courses with Field Experience requires clearances. Consult the College of Education information page regarding clearances for more information.

**MINOR IN PHYSICS**

**Year Three**

**Semester Five**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 300 Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 310 Intermediate Physics Lab I</td>
<td>2</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>
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</table>

Free Electives

**Credits** 17

**Semester Six**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 320 Intermediate Physics Lab II</td>
<td>2</td>
</tr>
<tr>
<td>LAN 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>HIS or PHI - Humanities Elective</td>
<td>3</td>
</tr>
<tr>
<td>BIO - Biology Elective</td>
<td>3</td>
</tr>
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</table>

Free Elective

**Credits** 17

**Year Four**

**Semester Seven**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>PHY 330 Electronics I</td>
<td>3</td>
</tr>
<tr>
<td>PHY 410 Optics</td>
<td>3</td>
</tr>
<tr>
<td>SCB 350 or SCE Science Education in Secondary School</td>
<td>3</td>
</tr>
<tr>
<td>ANT, PSY, SOC, ECO, GEO, PSC - Behavioral &amp; Social Sciences Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

Free Elective

**Credits** 15

**Semester Eight**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<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>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Credits** 15

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 Includes field experience (requires clearances).

4 Course fulfills the University’s General Education Interdisciplinary course requirement. For a list of approved General Education courses, consult the Undergraduate Catalog.

5 Includes 20 hours of Stage 2 field experience (requires clearances).

6 Course fulfills the University’s General Education Diverse Communities course requirement. For a list of approved General Education courses, consult the Undergraduate Catalog.

7 Includes Stage 3 field experience (requires clearances).

Upper level courses (numbered 300 or above) must be completed with a grade of C or better.

Students must pass the PAPA Reading, Writing and Mathematics exams prior to admission to Student Teaching. Students must pass the PRAXIS II Physics exam (#10265) before graduation from B.S.Ed. Physics program. When registering for any PAPA or PRAXIS test, students should include #2659 (the Certification Office WCU) as a score recipient.
The Department of Political Science strives to provide students with an excellent foundation for a broad range of career and personal development. The department is actively involved in teaching, research, and applied scholarship, the political science faculty serve as mentors and role models to students seeking academic challenge and civic engagement 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. 403)
- B.A. in Political Science - Applied Public Policy Concentration (p. 402)
- B.A. in Political Science - International Relations Concentration (p. 403)

Minors in Political Science
- Political Science (p. 405)

Other Programs in Political Science
- Elective Social Studies Teacher Certification (p. 404)

Graduate Opportunities
See the graduate catalog for more information on the Political Science program offered through the Department of Public Policy (http://catalog.wcupa.edu/graduate/business-public-affairs/public-policy-administration).

Policies
- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

The following rules apply 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.
Faculty

Professors
Yury Polsky (ypolsky@wcupa.edu) (1989)
B.A., M.A., University of Moscow; Ph.D., University of Michigan

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)
B.A., College of Wooster; M.A., Ph.D., University of Pittsburgh

Associate Professors
John J. Kennedy (jkennedy@wcupa.edu) (2001)
B.S., M.P.A., Kutztown University; Ph.D., Temple University

Duane D. Milne (dmline@wcupa.edu) (1999)
B.A., College of William and Mary; Ph.D., University of Delaware

Assistant Professors
Ashlie B. Delshad (adelshad@wcupa.edu) (2011)
B.A., Austin College; M.A., Ph.D., Purdue University

Chris Stangl (cstangl@wcupa.edu) (2006)
B.S., Drake University; M.A., Ph.D., University of Wisconsin-Madison

Peter H. Loeidel (ploeidel@wcupa.edu) (1996)
B.A., B.A., M.A., Ph.D., University of California, Santa Barbara

Courses

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.
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, Diversity Requirement.
Distance education offering may be available.
Typically offered in Fall, Spring & Summer.

PSC 103. Comparative Government. 3 Credits.
Examines power politics, techniques of diplomacy, and methods of current international relations. 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 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 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 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.

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 301. Women and Politics. 3 Credits.
The role of women in politics is surveyed. Considerations include the relationship between the sexes and their 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 dealings 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. Judicial Decision-Making. 3 Credits.
Analysis of different schools of thought regarding the interpretation of legal texts. Course will address questions such as: What does it mean to say the Constitution is a “living document”? How can we determine what the framers of the constitution intended the document to mean? How do political beliefs of judges affect how they understand the cases before them? Analysis will focus on both specific cases and more general writings and will culminate with in-class simulation.

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 338. U.S. Political Thought. 3 Credits.
Examination of animating ideas behind most influential dilemmas that affected the political development of the United States. Emphasis on historical context and continuing relevance.

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.
Comparative analysis of contemporary Latin American systems. Political cultures, decision making, ideologies, and political processes. Emphasis is on Mexico and Central America.
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.

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.

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: Add consent.

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 are also 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.
B.A. IN POLITICAL SCIENCE - APPLIED PUBLIC POLICY CONCENTRATION

College of Business & Public Affairs

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)
Academic Foundations requirements 12

English Composition (6 credits)
Mathematics (3 credits)
Public Speaking (3 credits)

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

Additional Baccalaureate Requirements
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 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

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

Applied/Public Policy Track Concentration Core

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

Related/Cognate Requirements
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
Select electives to complete the 120 degree requirements

Total Minimum Credits Required 120

Degree Progress
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

College of Business & Public Affairs

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

Academic Foundations requirements 12

- English Composition (6 credits)
- Mathematics (3 credits)
- Public Speaking (3 credits)

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

Additional Baccalaureate Requirements

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.

Major 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

Select two courses in the institutional area: 6

- PSC 350 Constitutional Law I: Government Institutions: Power and Constraints
- PSC 351 Constitutional Law II: Civil Liberties and Civil Rights
- PSC 355 Congressional Politics
- PSC 359 Presidential Politics

Select two courses in the behavioral area: 6

- PSC 301 Women and Politics
- PSC 322 Public Opinion, Media and Politics
- PSC 323 Racial/Ethnic Politics
- PSC 325 Campaigns and Elections
- PSC 329 Judicial Decision-Making

Select two additional PSC courses at the 300 level, including any not taken above. Three credits of internship (PSC 412) can be used in this area 6

Related/Cognate Requirements

- GEO 101 World Geography 3
- or GEO 103 Human Geography

Select one of the following: 3

- HIS 150 The American Experience
- HIS 151 History of the United States I
- HIS 152 History of the United States II
- SOC 200 Introduction to Sociology 3

Select one ECO course chosen under advisement 3

Electives

Select 6 semester hours of electives 6

Total Minimum Credits Required 120

Degree Progress

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 - INTERNATIONAL RELATIONS CONCENTRATION

College of Business & Public Affairs

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

Academic Foundations requirements 12

- English Composition (6 credits)
- Mathematics (3 credits)
- Public Speaking (3 credits)

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

Additional Baccalaureate Requirements

Writing Emphasis requirements 9

Language Requirement

Demonstrating language proficiency through the intermediate level (202). 3-12

Major 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

Select one additional course from the options below: 3

- PSC 317 Contemporary International Relations
- or PSC 320 U.S. Foreign Policy

Select one additional course from the options below: 3

- PSC 317 Contemporary International Relations
- PSC 320 U.S. Foreign Policy
- Study Abroad course with PSC prefix
- PSC internationally focused internship

Comparative Group

Select two of the following: 6

- 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: 6

- 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

Related/Cognate Requirements
- 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
- ECO course chosen under advisement 3
- Two "international-themed" courses from outside the major 2 6

Electives
Select 6 semester hours of electives 6

Total Minimum Credits Required 120

1 PSC 213 and PSC 240 should be completed prior to taking PSC 317 or PSC 320.
2 Courses with an international focus, with adviser approval, can overlap with related courses for culture cultures or a related minor (e.g., business, ethnic studies, finance, geography, history, languages and cultures, Latin American and Latino studies, marketing, peace and conflict studies, and women's and gender studies).

Degree Progress
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 WITH ELECTIVE SOCIAL STUDIES TEACHER CERTIFICATION

College of Business & Public Affairs

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

Academic Foundations requirements, in addition to other writing requirements, for teacher certification: 12
- English Composition (6 credits)
- MAT 103 Introduction to Mathematics (recommended, or other MAT 100-level course)
- SPK 208 Public Speaking (recommended)
  or SPK 230 Business and Professional Speech Communication

Science requirements 6
- PSY 100 Introduction to Psychology
- SOC 200 Introduction to Sociology

Humanities requirements 6
- HIS 101 History of Civilization I
- Select one LIT course

Arts requirements 3
Diverse communities requirement: May simultaneously fulfill another degree requirement, so PSC diversity courses recommended, such as:
- PSC 301 Women and Politics
- PSC 323 Racial/Ethnic Politics

PSC 340 Latin American Culture and Politics
PSC 343 Culture and Politics of Asia

Interdisciplinary requirement: An interdisciplinary requirement may not be used to fulfill a general education, distributive, diverse communities, or language culture cluster course requirement. Recommended PSC interdisciplinary courses:
- PSC 304 Urban Politics
- PSC 318 International Political Economy

Student Electives 9

Additional Baccalaureate Requirements
Writing Emphasis requirement 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.

Major Requirements
PSC 100 U.S. Government and Politics 3
PSC 200 Political Analysis 3
PSC 202 Elements of Public Administration 3
or PSC 240 Introduction to Comparative Politics
PSC 213 International Relations 3
PSC 230 Introduction to Political Thought 3
PSC 401 Senior Project in Political Science 3

Select one of the following:
- PSC 301 Women and Politics
- PSC 324 U.S. Political Parties
- PSC 322 Public Opinion, Media and Politics
  or PSC 323 Racial/Ethnic Politics
- PSC 325 Campaigns and Elections
- PSC 329 Judicial Decision-Making

Electives
Select any two additional political science courses at the 200 level or above 6

Related/Cognate Requirements
Select one of the following: 3-6
- ECO 111 & ECO 112 Principles of Economics (Macro) and Principles of Economics (Micro)
- GEO 101 World Geography
  or GEO 103 Human Geography
- HIS 151 History of the United States I

Social Studies Teaching Certificate
Other courses required to obtain the social studies teaching certificate: 3

Social Sciences:
- HIS 102 History of Civilization II 3
- HIS 152 History of the United States II 3

Education:
- EDA/EDR 341 Inclusion & Reading in the Content Area 3
- EDF 300 Democracy and Education 3
- EDM 300 Intro to Educational Technology Integr 3
- EDP 250 Educational Psychology 3
- EDP 351 Evaluation and Measurement 3
EDS 306  Teaching Principles and Field Experience in Secondary Schools  3
EDS 411  Student Teaching Sec - 1st Half  6
EDS 412  Student Teaching Sec - 2nd Half  6
SSC 331  Methods of Teaching Secondary Social Studies  3

Additional Electives
In order to complete the required 120 credits for graduation, additional free electives may be necessary

Total Minimum Credits Required  120

1. Research paper must focus on educational issue.
2. Electives should be chosen to reflect the themes from the social studies education standards. It is recommended that these courses simultaneously fulfill another degree requirement, such as the diverse communities or writing emphasis requirements.
3. Contact the Department of Political Science for additional information on course prerequisites and required sequences, timing of Praxis I and II exams, and any other updates in the certificate program.

Additional Requirements for Student Teaching and Certification
To apply for formal admission to the Department of Professional and Secondary Education (p. 408) 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 teaching certification exam.

See the Educator Preparation Programs (p. 239) section of this catalog for an explanation of related requirements.

Degree Progress
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:  9
PSC 200  Political Analysis
PSC 202  Elements of Public Administration
PSC 213  International Relations
PSC 230  Introduction to Political Thought
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:  3
   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  Judicial Decision-Making
   PSC 330  Constitutional Law I: Government Institutions: Power and Constraints
   PSC 332  Constitutional Law II: Civil Liberties and Civil Rights
   PSC 333  Latino Politics
   PSC 334  Congressional Politics
   PSC 335  US Public Policy
   PSC 336  Environmental Politics and Policy
   PSC 337  Energy and the Political Process
   PSC 338  U.S. Political Thought
   PSC 339  Contemporary Political Thought
   PSC 340  The United States and Latin America
   PSC 341  Russian Foreign Policy
   PSC 342  Contemporary International Relations
   PSC 343  International Political Economy
   PSC 344  Middle Eastern Politics
   PSC 346  Latin American Culture and Politics
   PSC 347  European Politics
   PSC 348  Culture and Politics of Asia
   PSC 349  Russian Government and Politics
   PSC 350  African Politics and Society
   PSC 351  Energy and the Political Process
   PSC 352  Politics of the Holocaust and Genocide
   PSC 353  The United States and Latin America
   PSC 354  Environmental Politics and Policy
   PSC 355  State and Local Government
   PSC 356  US Public Policy
   PSC 357 Advanced Political Analysis
   PSC 358  African Politics and Society
   PSC 359  International Relations
   PSC 360  Energy and the Political Process
   PSC 361  The United States and Latin America
   PSC 362  Environmental Politics and Policy
   PSC 363  State and Local Government
   PSC 364  International Relations

Total Minimum Credits Required  18

1. Students in this area should take PSC 230 as part of their core and complete it prior to taking 300-level PSC courses.
2. Students in this area should take PSC 213 and PSC 240 as part of their core and complete these courses prior to taking 300-level courses.
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.

Students must complete their political science courses for the minor with an overall GPA of 2.0 in order to complete the program. Internship credits in political science (PSC 412) may not be used as credits toward the political science minor.
PRE-MEDICAL PROGRAM

College of Arts & Sciences
117A Schmucker Science Center South
610-436-2978
Pre-Medical Program (http://www.wcupa.edu/_ACADEMICS/SCH_CAS/MED/default.asp)
e-mail: pmed@wcupa.edu
Stephen J. Zimniski (szimniski@wcupa.edu), Director

Committee Members
Mahrukh Azam, Chemistry
Melissa Betz Cichowicz, Chemistry
Frank Fish, Biology
Blaise Frost, Chemistry
Felix Goodson, Chemistry
Judith Greenmayer, Biology
Susan Johnston, Anthropology and Sociology
Anthony Nicastro, Physics
Leslie Slusher, Biology
Joan Woolfrey, Philosophy
Stephen J. Zimninski, Pre-Medical Program

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 credit hours for specific courses, enabling students to complete 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 advisers, department chairs, and internship coordinators.

For highly select undergraduates and post-baccalaureates, medical school early assurance programs are available in affiliation with Temple University School of Medicine (http://www.temple.edu/med) (undergraduate and post-baccalaureate), Penn State University College of Medicine (http://www.hmc.psu.edu/college) (undergraduate), Philadelphia College of Osteopathic Medicine (http://www.pcom.edu) (undergraduate), Lake Erie College of Osteopathic Medicine (http://www.lecom.edu) (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. 193); B.S. in Biology: Cell and Molecular (p. 190); B.S. in Chemistry (p. 203); B.S. in Forensic and Toxicological Chemistry (p. 205), B.S. in Pharmaceutical Product Development (p. 384); B.S. in Physics (p. 394); or B.A. in Psychology (p. 414). Students in the Pre-Medical Program may have two advisers - one from their major field and one from the Pre-Medical Committee. The adviser from the major field serves as their academic adviser, 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

Major in the Pre-Medical Program
- B.S. in Chemistry-Biology (Pre-Medical) (p. 407)

Policies
- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

Faculty

Professors
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)
Chairperson, Anthropology and Sociology
B.A., University of Pennsylvania; B.S., Hahnemann University; Ph.D., University of Pennsylvania
Anthony J. Nicastro (anicastro@wcupa.edu) (1990)
Chairperson, Physics and Pre-Engineering Program
B.S., B.S., M.S., Ph.D., University of Delaware

Associate Professors
Mahrukh Azam (mazam@wcupa.edu) (2004)
B.S., Punjab University; M.S., Quaid-e-Azam University; M.S., Ph.D., Seton Hall University
Melissa Cichowicz (mcichowicz@wcupa.edu) (1986)
Chairperson, Chemistry
B.S., St. Joseph’s College; Ph.D., University of Maryland
Joan Woolfrey (jwoolfrey@wcupa.edu) (2000)
Graduate Coordinator, Philosophy
B.S., North Dakota State University; M.A., The New School for Social Research; Ph.D., University of Oregon
Stephen J. Zimniski (szimniski@wcupa.edu) (2006)
Director, Pre-Medical Program

2015-2016 UNDERGRADUATE CATALOG

WEST CHESTER UNIVERSITY

406
### B.S. IN CHEMISTRY-BIOLOGY (PRE-MEDICAL)

#### College of Arts & 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>Academic Foundations requirements</th>
<th>12</th>
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<tbody>
<tr>
<td>English Composition (6 credits)</td>
<td></td>
</tr>
<tr>
<td>Math (3 credits)</td>
<td></td>
</tr>
<tr>
<td>Public Speaking (3 credits)</td>
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</tr>
</tbody>
</table>

**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

**Additional Baccalaureate Requirements**

**Writing Emphasis requirements** 9

**Chemistry Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<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>CHE 231</td>
<td>Organic Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHE 232</td>
<td>Organic Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHE 321</td>
<td>Analytical Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHE 341</td>
<td>Physical Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHE 418</td>
<td>Chemical Information</td>
<td>1</td>
</tr>
<tr>
<td>CHE 476</td>
<td>Biochemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHE 491</td>
<td>Seminar in Chemistry</td>
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</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>CRL 231</td>
<td>Experimental Organic Chemistry I (LAB)</td>
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<tr>
<td>CRL 321</td>
<td>Analytical Chemistry I Lab</td>
<td>2</td>
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<tr>
<td>CRL 476</td>
<td>Experimental Biochemistry I Lab</td>
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**Biology Requirements**

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<th>Course Code</th>
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<tr>
<td>BIO 110</td>
<td>General Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIO 217</td>
<td>General Zoology</td>
<td>3</td>
</tr>
<tr>
<td>BIO 220</td>
<td>Cell Physiology</td>
<td>3</td>
</tr>
<tr>
<td>BIO 230</td>
<td>Genetics</td>
<td>3</td>
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<td>BIO 357</td>
<td>Comparative Vertebrate Anatomy</td>
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<td>BIO 448</td>
<td>Animal Development</td>
<td>4</td>
</tr>
<tr>
<td>BIO 468</td>
<td>Comparative Vertebrate Physiology</td>
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<tr>
<td>or BIO 469</td>
<td>Human Physiology</td>
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**Related/Cognate Requirements**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<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>PHY 170</td>
<td>Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHY 180</td>
<td>Physics II</td>
<td>4</td>
</tr>
</tbody>
</table>

**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. 200).

**Degree Progress**

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.
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. 239).
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
B.A., B.S., Kansas Wesleyan University; M.S., Ph.D., Kansas State University
Thomas M. Mastrilli (tmastrilli@wcupa.edu) (1995)
B.S., M.Ed., Pennsylvania State University; Ed.D., University of Pittsburgh
Lesley A. Welsh (lwelsh@wcupa.edu) (1991)
B.A., Eastern Connecticut State University; M.A., Ph.D., University of Connecticut

Associate Professors
David L. Bolton (dbolton@wcupa.edu) (1991)
B.A., Seminar Marionhoche (Germany); M.A., Andrews University; Ph.D., Florida State University
Cynthia S. Haggard (chaggard@wcupa.edu) (1990)
B.A., M.A., Ed.D., Indiana University
Stephanie L. Hinson (shinson@wcupa.edu) (1992)
A.B., Princeton University; M.Ed., Ed.D., University of Virginia
Paul Morgan (pmorgan@wcupa.edu) (1999)
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

Assistant Professors
Robert Haworth (rhaworth@wcupa.edu) (2012)
Graduate Coordinator, Professional and Secondary Education
B.A., University of Utah; M.A., Ph.D., New Mexico State University
Jane L. Kenney (jkenney@wcupa.edu) (1992)
B.A., Pennsylvania State University; M.A., Ohio State University; Ph.D., Temple University
Curry S. Malott (cmalott@wcupa.edu) (2011)
B.A., Miami University; M.A., Ph.D., New Mexico State University

Courses

EDC

EDC 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.

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.

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
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. Repeatable for Credit.

EDO
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 emphases on experiencial 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: Add consent.

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
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.

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 prerequisite of EDP 350.

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 interventions and their implications for instruction for all students, and report assessment results. Pre / Co requisites: EDP 353 requires prerequisite EGP 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 (authentic, screening, diagnostic, formative, and summative) to guide instruction related to standards, to monitor results of interventions and their implications for instruction for all students, and report assessment results. Pre / Co requisites: EDP 354 requires prerequisites of EGP 220 or EGP 335.

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. All field clearances required.

EDP 359. Assessment for Learning: Mathematics Educators. 3 Credits.
This course is designed to provide secondary mathematics 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: Add consent. 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: Add consent. 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. 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. Typically offered in Fall & Spring.

B.S.ED. - BACHELOR OF SCIENCE IN EDUCATION

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)
Academic Foundations requirements 12
- English Composition (6 credits)
- Math (3 credits)
- Public Speaking (3 credits)

Science requirements 6
- Behavioral & Social Science requirements 6
- Humanities requirements 6
- Arts requirement 3
- Diverse Communities requirement 3
- Interdisciplinary requirement 3
- Student Electives 9

Additional Baccalaureate Requirements 9

Professional Education Requirements 33-36
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. 198)
- Chemistry (p. 205)
- General Science (p. 271)
- Earth and Space Science (p. 269)
- English (p. 251)
- Social Studies (p. 289)
- Mathematics (p. 353)
- Physics (p. 397)

K–12 Areas of Certification
- French (p. 307)
- German (p. 307)
- Latin (p. 307)
- Russian (p. 307)
- Spanish (p. 307)

Students in the secondary or K–12 education programs must confer regularly with their professional studies adviser in the Department of Professional and Secondary Education, as well as with the academic adviser assigned by their respective academic department. Prospective students may obtain information on these secondary or K–12 education programs from the Department of Professional and Secondary Education and the academic major department.

Degree Progress
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 Arts & Sciences
Peoples Building
610-436-2945
Department of Psychology (http://www.wcupa.edu/_academics/sch_cas psy)
Loretta Rieser-Danner (lrieser-danner@wcupa.edu), Chairperson
Susan Gans (sgans@wcupa.edu), Assistant Chairperson
Angela Clarke (aclarke@wcupa.edu), Graduate Coordinator, Clinical Psychology
Stephanie Yorges (syorges@wcupa.edu), Graduate Coordinator, Industrial/Organizational & General Psychology
Johny Tadros (jttadros@wcupa.edu), Program Counselor
Michael Bray (mbray@wcupa.edu), Undergraduate Administrative Assistant
Bridgid Fitzgerald (bfitzgerald@wcupa.edu), Graduate 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

Major in Psychology
- B.A. in Psychology (p. 414)

Minor in Psychology
- Psychology (p. 414)

Graduate Opportunities

See the graduate catalog for more information on the Psychology program. (http://catalog.wcupa.edu/graduate/arts-sciences/psychology)

Policies

- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

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

Susan Gans (sgans@wcupa.edu) (1997)
Assistant Chairperson, Psychology
B.A., New York University; M.A., Ph.D., University of Chicago
Vanessa K. Johnson (vjohnson@wcupa.edu) (1999)
B.S., University of Washington, Seattle; M.A., Ph.D., University of California, Berkeley
Sandra L. Kerr (skerr@wcupa.edu) (1994)
Chairperson, Marketing

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 (lrieserdan@wcupa.edu) (1997)
Chairperson, Psychology
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)
Graduate Coordinator, Psychology
B.A., Hastings College; M.S., Ph.D., Purdue University
Deanne U. Zottor (dzottor@wcupa.edu) (1991)
B.A., Bloomsburg University; M.A., Ph.D., Kent State University

Associate Professors

Julian Azorlosa (jazorlosa@wcupa.edu) (2001)
B.A., M.A., Ph.D., University of Delaware
Eleanor Brown (ebrown@wcupa.edu) (2005)
B.A., Haverford College; Ph.D., University of Delaware
Jennifer Bunk (jbunk@wcupa.edu) (2006)
Psychology
B.A., Brandeis University; M.A., Ph.D., University of Connecticut
Angela Clarke (aclarke@wcupa.edu) (2007)
Graduate Coordinator, Psychology
B.S., M.A., Ph.D., University of North Carolina-Chapel Hill
Lauri Hyers (lhyers@wcupa.edu) (2004)
B.A., Ph.D., Pennsylvania State University
Geeta Shivde (gshivde@wcupa.edu) (2005)
B.A., Oberlin College; M.S., Ph.D., University of Oregon

Assistant Professors

Erin Michelle Hill (ehill@wcupa.edu) (2013)
B.A., Laurentian University; M.A., Carleton University; Ph.D., Auckland University of Technology
Farzin Irani (firani@wcupa.edu) (2014)
B.S., University of Toronto; M.S., Villanova University; Ph.D., Drexel University
Vipanchi Mishra (vmishra@wcupa.edu) (2014)
B.A., M.A., University of Delhi; M.S., University of Hartford; Ph.D., University at Albany, SUNY
Karen J. Mitchell (kmitchell@wcupa.edu) (2014)
B.A., the Pennsylvania State University; M.A., Ph.D., Kent State University
Aaron S. Rundus (arundus@wcupa.edu) (2011)
B.A., University of South Florida; M.S., Ph.D., University of California, Davis
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.
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.

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.

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.

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.

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 257. Theories of Personality. 3 Credits.
A course in personality that examines the theories and writings of Freud, Jung, Adler, Fromm, Erikson, Rogers, and other major personality theorists.
Pre / Co requisites: PSY 257 requires prerequisite of PSY 100.
Typically offered in Fall & Spring.

PSY 265. 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 Spring.

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 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 Spring.

PSY 350. Biopsychology of Motivation and Emotion. 3 Credits.
A study of drives, motives, and emotions as determinants of behavior. Physiological and social aspects of motivation will be explored with some attention given to pathological factors.
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. PHI 101 recommended.
Pre / Co requisites: PSY 362 requires prerequisite of PSY 100.
Typically offered in Fall.

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.

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 co-requisite of PSY 363.
Typically offered in Fall.
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.

PSY 376. Social Psychology Laboratory. 3 Credits.
Electronic and/or laboratory exercises in social psychology.
Pre / Co requisites: PSY276 requires a prerequisite 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.

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.

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 400. Senior Seminar in Psychology. 3 Credits.
An in-depth study of advanced topics in psychology. Students will prepare and present written and oral presentations describing and analyzing current issues in psychology.
Pre / Co requisites: PSY 400 requires prerequisites of PSY 245 and PSY 246.
Typically offered in Fall & Spring.

PSY 410. Research in Psychology. 1-3 Credits.
Special research projects, reports, and readings in psychology.
Pre / Co requisites: PSY 410 requires prerequisite of PSY 100.
Consent: Add consent.
Typically offered in Fall & Spring.
Repeatable for Credit.

PSY 413. Group Intervention I. 3 Credits.
This class is designed as an introductory course, integrating theory and practice of psychodrama as a psychotherapeutic modality. Emphasis is placed on understanding the basic psychodramatic and sociometrical techniques from a theoretical perspective with emphasis placed on how to use these basic techniques in applied situations.
Pre / Co requisites: PSY 413 requires prerequisite PSY 100.
Consent: Add consent.
Typically offered in Spring.

PSY 421. Issues in Autism: Diagnosis and Behavioral Treatments. 3 Credits.
Study of the assessment and treatment of children and adults with autism spectrum disorders, related disorders, and associated problems. Detailed coverage of current validated assessment and treatment practices, with emphasis on behavior analytic procedures. Instruction will occur via current books, periodicals, testing materials, videos, and play activities.
Pre / Co requisites: PSY421 requires prerequisite of PSY100; PSY327 strongly recommended.
Typically offered in Spring.

PSY 430. Human Sexual Behavior. 3 Credits.
An intensive study of those variables under which human sexual behavior functions. Research from sociological and medical studies is integrated with psychological knowledge.
Pre / Co requisites: PSY 430 requires prerequisite of PSY 100.
Typically offered in Fall & Spring.

PSY 441. Field Experience in Psychology I. 3 Credits.
A work-study program in an educational, business, or mental health facility under joint supervision of the instructor and the staff psychologist of the field institution. Permission of instructor required.
Pre / Co requisites: PSY 441 requires prerequisite of PSY 100.
Typically offered in Fall.

PSY 442. Field Experience in Psychology II. 3 Credits.
Continuation of PSY 441.
Typically offered in Fall.

PSY 443. Psychology of Group Processes. 3 Credits.
An exploration of the dynamics of interpersonal behavior in small groups. Theory applied to practice in class. Permission of instructor recommended.
Pre / Co requisites: PSY 443 requires prerequisite of PSY 100.
Typically offered in Spring.

PSY 444. Organizational Development. 3 Credits.
The study of human behavior in task group and organizational contexts. PSY 265 recommended.
Pre / Co requisites: PSY 445 requires prerequisite of PSY 100.
Distance education offering may be available.
Typically offered in Fall & Spring.

PSY 447. Interpersonal Relationships within Groups. 3 Credits.
A study of processes and factors in establishing, maintaining, and terminating relationships via the use of group methods.
Pre / Co requisites: PSY 447 requires prerequisite of PSY 100.
Consent: Add consent.
Typically offered in 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: PSY449 requires prerequisite of PSY448.
Gen Ed Attribute: Diversity Requirement.
Typically offered in Fall & Spring.

PSY 464. Biopsychology Seminar. 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 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 review of current theoretical issues involved in the effects of early experience and environment.
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.
This course explores our scientific understanding of mental processes such as perception, attention, language, memory, decision-making and problem-solving.
Pre / Co requisites: PSY476 requires prerequisite PSY245, 246 and co-requisite PSY475.
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

**Curriculum**

**General Education Requirements** ([http://catalog.wcupa.edu/undergraduate/general-education-requirements](http://catalog.wcupa.edu/undergraduate/general-education-requirements))

<table>
<thead>
<tr>
<th>Academic Foundation</th>
<th>Credits</th>
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<tbody>
<tr>
<td>English Composition</td>
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</tr>
<tr>
<td>MAT 103 Introduction to Mathematics</td>
<td>3 (or higher is required)</td>
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<tr>
<td>Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>Diverse Communities</td>
<td>3</td>
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<tr>
<td>Interdisciplinary requirement</td>
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<table>
<thead>
<tr>
<th>Science requirements</th>
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<tbody>
<tr>
<td>It is recommended students take BIO 100 or BIO 110 as one of the science courses.</td>
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<tr>
<th>Behavioral &amp; Social Science requirements</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humanities requirements</td>
<td>6</td>
</tr>
<tr>
<td>Arts requirement</td>
<td>3</td>
</tr>
<tr>
<td>Student Electives</td>
<td>9</td>
</tr>
</tbody>
</table>

**Additional Baccalaureate Requirements**

**Writing Emphasis** 9

**Language and Culture Requirement** 3-15
- 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.

<table>
<thead>
<tr>
<th>Major Requirements 1</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Required psychology courses</td>
<td>15</td>
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<tr>
<td>PSY 100 Introduction to Psychology</td>
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<td>PSY 245 Statistics for the Behavioral Sciences</td>
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<td>PSY 246 Research Methods in Psychology</td>
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<td>PSY 362 History and Systems of Psychology</td>
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<tr>
<td>PSY 400 Senior Seminar in Psychology</td>
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<tr>
<td>Group I</td>
<td></td>
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<tr>
<td>Select three of the following:</td>
<td>9</td>
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<tr>
<td>PSY 254 Social Psychology</td>
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<tr>
<td>PSY 257 Theories of Personality</td>
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<tr>
<td>PSY 365 Psychology of Women</td>
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<tr>
<td>PSY 375 Abnormal Psychology</td>
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<tr>
<td>PSY 382 Infant, Child and Adolescent Development</td>
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<tr>
<td>or PSY 384 Adult Development</td>
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<tr>
<td>Group II</td>
<td></td>
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<tr>
<td>Select three of the following:</td>
<td>9</td>
</tr>
<tr>
<td>PSY 255 Introduction to Biological Psychology</td>
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<tr>
<td>PSY 335 Animal Behavior</td>
<td></td>
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<tr>
<td>PSY 350 Biopsychology of Motivation and Emotion</td>
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<tr>
<td>PSY 363 Psychology of Learning</td>
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<tr>
<td>PSY 464 Biopsychology Seminar</td>
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<tr>
<td>PSY 475 Cognitive Psychology</td>
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</tbody>
</table>

**Psychology Electives**
Select two additional PSY courses 6

**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 |

1. 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. Students must choose three courses from Group I, three courses from Group II, and one course from Group III.

2. Can only take PSY 382 or PSY 384 but not both.

### Degree Progress
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 PSYCHOLOGY**

**College of Arts & Sciences**
The minor in psychology is designed for students of any major and is tailored to the specific educational goals of each student. After taking PSY 100, the student will choose 15 additional semester hours of PSY courses for a total of 18 semester hours.
**RUSSIAN STUDIES PROGRAM**

*College of Arts & Sciences*

114 Main Hall  
610-436-2585  
Russian Studies (http://www.wcupa.edu/_academics/sch_cas.flg/russian.asp)  
Alice Speh (aspeh@wcupa.edu), **Coordinator**

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 semester hours of work.

**Programs**

**Minor in Russian Studies**

- Russian Studies (p. 415)

**Policies**

- See undergraduate admissions information. (p. 11)  
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

**MINOR IN RUSSIAN STUDIES**

*College of Arts & Sciences*

Required: Either option A or B  
12

**A:**

- Russian Language (Intermediate level or above)  
- Russian History and/or Politics

**B:**

- Russian History and/or Politics  
- Russian Civilization, Culture and/or Politics  
- Select from the following:
  - ERU 363 Russian & Soviet Film and Literature  
  - CLS 364 Eastern European Literature and Film  
  - EBU 309 Russian Culture  
  - HIS 324 Imperial Russia  
  - HIS 425 Twentieth-Century Russia  
  - PSC 346 Russian Government and Politics  
  - PSC 311 Russian Foreign Policy  
  - RUS 201 Intermediate Russian I  
  - RUS 202 Intermediate Russian II  
  - RUS 203 Intermediate Russian II  
  - RUS 301 Advanced Grammar and Composition I  
  - RUS 302 Advanced Grammar and Composition II  
  - RUS 303 Advanced Readings in Russian Literature  
  - RUS 305 Russian Civilization I  
  - RUS 401 The Russian Novel  
  - RUS 402 The Russian Drama  
  - RUS 403 Russian Poetry of the 20th Century  
  - RUS 407 Advanced Oral Russian I  
  - RUS 408 Advanced Oral Russian II  
  - RUS 410 Independent Studies in Russian Language  
  - RUS 411 Seminar in Russian  
  - RUS 412 Seminar in Russian  
  - ERU 310 The Literature of Russia

**Electives**  
Select 6 semester hours  
6

**Total Credits**  
18

---

1 Selected under advisement from Russian-oriented courses offered by the departments of Anthropology and Sociology (p. 147), Art (p. 176), English (p. 242), Political Science (p. 399), or other WCU departments.

For advising, see Dr. Alice Speh in the Department of Languages and Cultures (p. 307).

A student should maintain a 3.0 average in area-studies courses to be recommended for graduate work in the area-studies concentration.
The B.S.W. program has the following core competencies: by completion of the program, students 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, with the liberal arts as its foundation, B.S.W. graduates are prepared to work as well as the foundation for graduate 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 2008 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:

1. Identify as a professional social worker and conduct oneself accordingly
2. Apply social work ethical principles to guide professional practice
3. Apply critical thinking to inform and communicate professional judgments
4. Engage diversity and difference in practice
5. Advance human rights and social and economic justice
6. Engage in research-informed practice and practice-informed research
7. Apply knowledge of human behavior and the social environment
8. Engage in policy practice to advance social and economic well-being and to deliver effective social work services
9. Respond to contexts that shape practice
10. Engage, assess, intervene, and evaluate 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 BSW 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 reaccreditation, our Department has reviewed the curricular requirements and received feedback from multiple constituencies (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. Active Minds is a social work organization open to all majors and focuses on mental health awareness of college students. Rotaract is another social work organization that is sponsored by the local Rotary Club and focuses on international and national issues that affect groups, families, or individuals. 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 adviser, 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>Credits</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</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

**Programs**

**Majors in Social Work**

- B.S.W. - Bachelor of Social Work (p. 419)

**Graduate Opportunities**

See the graduate catalog for more information on the Social Work
program (http://catalog.wcupa.edu/graduate/business-public-affairs/
social-work).

**Policies**

- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/
academic-policies-procedures)

**Policy for Social Work Majors**

Majors are required to meet with their social work adviser 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
adviser 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/_academics/sch_sba/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 the 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**

**Professors**

- Eli Dehope (edehope@wcupa.edu) (2001)
- Assistant Chairperson
- B.S.W., Temple University; M.Ed., West Chester University; Ph.D.,
University of Pennsylvania
- Richard W. Voss (rvoss@wcupa.edu) (1996)
- B.A., St. Fidelis College; M.S.W., Fordham University; D.P.C.,
Loyola College
Courses

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.

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.
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: SWO320 requires a co-requisite or prerequisite of SWO220 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: SWO321 requires prerequisite of SWO320 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 in 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: SWO395 requires prerequisite of SWO375 with a minimum grade of C or better.
Consent: Add consent.
Repeatable for Credit.

Special research projects or practices in social work.
Consent: Add consent.
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, and child protective service system and relevant policies.

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 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 co-requisite 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 prerequisite of SWO 495 and co-requisite of SWO 451.

B.S.W. - BACHELOR OF SOCIAL WORK

College of Business & Public Affairs

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

Academic Foundations requirements 12
- English Composition (6 credits)
- Math (3 credits)
- Public Speaking (3 credits)

Science requirements 6
- Behavioral & Social Science requirements 6
- Humanities requirements 6
- Arts requirement 3
- Diverse Communities requirement 3
- Interdisciplinary requirement 3
- Student Electives 9

Additional Baccalaureate Requirements

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; adviser permission is required). 6

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

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; and
- Comply with NASW Code of Ethics and the professional behaviors established by the social work program.

Degree Progress
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.

Students must achieve a 2.5 GPA for all social work courses; a minimum grade of C for SWO 320, SWO 321, SWO 375, SWO 395, SWO 450, SWO 451, SWO 495, and SWO 496 is required. All other required social work courses must be a C- or above.

Year One

Semester One Credits

Pre-Candidacy
- SWO 200 Introduction to Social Welfare 3
- SWO 225 (I or J) Race Relations 3
- WRT 120 Effective Writing I 3
- Select approved Sociology course (SOC 200 or SOC 240 recommended) 3
- Foreign Language (Spanish recommended) 3

Credits 15

Semester Two

Pre-Candidacy
- SWO 220 Introduction to Generalist Practice 3
- SWO 300 (W) Family Systems 3
- Select one of the following: 3
  - WRT 200 Critical Writing and Research
  - 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
- Select approved Psychology course (PSY 100 recommended) 3
- Foreign Language 3

Credits 15
### Year Two

#### Semester Three

**Pre-Candidacy**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<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>

Select one approved Political Science course (PSC 100 recommended)

Select approved BIO course (BIO 102 will not count towards this requirement)

Select approved History course (HIS 150 recommended)

<table>
<thead>
<tr>
<th>Credits</th>
<th>15</th>
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</table>

#### Semester Four

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>SWO 320</td>
<td>Generalist Social Work Practice I</td>
<td>3</td>
</tr>
<tr>
<td>SWO 351 (W) (J)</td>
<td>Human Behavior and the Social Environment II</td>
<td>3</td>
</tr>
<tr>
<td>SPK 208 or 230</td>
<td>Public Speaking</td>
<td>3</td>
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</tbody>
</table>

Select one approved science class from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHE 100</td>
<td>Concepts of Chemistry</td>
<td></td>
</tr>
<tr>
<td>CHE 160</td>
<td>The Chemistry of Beer</td>
<td></td>
</tr>
<tr>
<td>CSC 110</td>
<td>Fundamentals in Computer Science</td>
<td></td>
</tr>
<tr>
<td>CSC 115</td>
<td>Introduction to Computer Programming</td>
<td></td>
</tr>
<tr>
<td>CSC 141</td>
<td>Computer Science I</td>
<td></td>
</tr>
<tr>
<td>ESS 101</td>
<td>Introduction to Geology</td>
<td></td>
</tr>
<tr>
<td>ESS 111</td>
<td>Other Worlds, Other Stars</td>
<td></td>
</tr>
<tr>
<td>ESS 170</td>
<td>Introduction to Our Atmosphere</td>
<td></td>
</tr>
<tr>
<td>PHY 100</td>
<td>Elements of Physical Science</td>
<td></td>
</tr>
<tr>
<td>PHY 105</td>
<td>Structure of the Universe</td>
<td></td>
</tr>
<tr>
<td>PHY 130</td>
<td>General Physics I</td>
<td></td>
</tr>
<tr>
<td>PHY 140</td>
<td>General Physics II</td>
<td></td>
</tr>
<tr>
<td>PHY 170</td>
<td>Physics I</td>
<td></td>
</tr>
<tr>
<td>PHY 180</td>
<td>Physics II</td>
<td></td>
</tr>
</tbody>
</table>

Select one advised elective

<table>
<thead>
<tr>
<th>Credits</th>
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</thead>
</table>

### Year Three

#### Semester Five

**Candidacy Application Due Sept 15**

**Professional Social Work Coursework**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>SWO 321</td>
<td>Generalist Social Work Practice II</td>
<td>3</td>
</tr>
<tr>
<td>SWO 431</td>
<td>Methods Of Social Inquiry</td>
<td>3</td>
</tr>
</tbody>
</table>

Select any Math course (MAT 104 or MAT 121 recommended)

Select any approved Philosophy course (PHI 180 recommended)

Elective

<table>
<thead>
<tr>
<th>Credits</th>
<th>15</th>
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</table>

#### Semester Six

**Professional Social Work Coursework**

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>SWO 375</td>
<td>Field Experience I</td>
<td>6</td>
</tr>
<tr>
<td>SWO 395</td>
<td>Junior Seminar</td>
<td>3</td>
</tr>
<tr>
<td>SWO 432</td>
<td>Advanced Policy Practice</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one advised elective

<table>
<thead>
<tr>
<th>Credits</th>
<th>15</th>
</tr>
</thead>
</table>

### Year Four

#### Semester Seven

**Professional Social Work Coursework**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SWO 450</td>
<td>Field Experience II</td>
<td>6</td>
</tr>
<tr>
<td>SWO 495</td>
<td>Social Work Senior Seminar I</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one approved course in Art, Cinematography, Dance, Music, Photography, or Theatre

<table>
<thead>
<tr>
<th>Credits</th>
<th>3</th>
</tr>
</thead>
</table>

#### Semester Eight

**Select one advised elective**

<table>
<thead>
<tr>
<th>Credits</th>
<th>3</th>
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### Credits

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credits</th>
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<tr>
<td>Year Two</td>
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<tr>
<td>Year Three</td>
<td>15</td>
</tr>
<tr>
<td>Year Four</td>
<td>15</td>
</tr>
</tbody>
</table>

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1. General Education Requirements
2. Required Liberal Arts

May take social work courses concurrently while applying for candidacy.
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 must be enrolled in another teacher certification content area.

- The B.S.Ed. in Special Education: PreK-8 (dual major with PreK-4) will give students special education certification at the PreK-8 level and certification in early grades preparation (PreK-4).
- The B.S.Ed. - Special Education: 7-12 (dual major with secondary content certification) will give students special education certification at the 7-12 level as well as certification in a secondary content area, including biology, chemistry, earth and space science, English (literature or writing), general science, mathematics, and physics.

The eight available dual certification programs of study are generally described below in terms of course credit requirements. Required Special Education courses are consistent across programs and are described later in this section. General education requirement areas also are consistent across majors, include requirements in the arts, humanities, social sciences, and sciences, and are described on the General Education Requirements pages (http://catalog.wcupa.edu/undergraduate/general-education-requirements). However, each content area may have different requirements for general and professional core courses, so students should contact individual departments for program-specific information.

Upon completion of the program and achievement of passing scores on state certification exams, the student will qualify for a Pennsylvania Instructional I Certificate in both areas of their dual course of study, 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

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. - Special Education: PreK-8 And Early Grades Preparation (PreK-4) (p. 425)
- B.S. Ed. - Special Education: PreK-8 And Middle Grades Preparation (4-8) (http://catalog.wcupa.edu/undergraduate/education/special-education/special-education-bsed-4-8) (p. 424)

Minors in Special Education

- Autism Education (p. 425)
- Special Education (p. 426)

Graduate Opportunities

See the graduate catalog for more information on the Special Education program. (http://catalog.wcupa.edu/graduate/education/special-education)

Policies

- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

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. – special education/early grades preparation; 148 credits for the B.S.Ed. – special education/middle grades preparation; and 136–154 credits for the B.S.Ed. – special
education/secondary (dual program content area) or B.S.Ed. – special education/B.A. in history (dual degrees)
2. Formal Admission to Teacher Education (FATE) (see below)
3. Minimum GPA of 3.0
4. PECT 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

Admission to Special Education Degree Programs
For formal admission to the special education degree program, see the Educator Preparation Programs (p. 239) 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 should seek enrollment in to 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 premajors 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. 239)).

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 preapproved, 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
Donna Wandy (dwandy@wcupa.edu) (1999)
B.S., University of Wisconsin – Eau Claire; M.Ed., University of Utah; Ph.D., University of Florida

Associate Professors
N. Kim Doan (ndoan@wcupa.edu) (2008)
B.A., M.A., California State University; Ph.D., University of Virginia
Tara C. Guerriero (tstringer@wcupa.edu) (2008)
B.S., M.A., Ph.D., Northwestern University
Corinne Murphy (cmurphy@wcupa.edu) (2006)
Chairperson, Special Education
B.A., M.A., Ph.D., Ohio State University
Claire Verden (cverden@wcupa.edu) (2006)
B.S., West Chester University; M.Ed., Temple University; Ed.D., Arcadia University
York Williams (ywilliams@wcupa.edu) (2009)
B.A., North Carolina Central University; M.A., West Chester University; M.Ed., Ph.D., Temple University

Assistant Professors
Beatrice Adera (badera@wcupa.edu) (2010)
B.S., University of Nairobi (Kenya); M.Ed., Ph.D., University of North Texas
S. Christy Hicks (shicks@wcupa.edu) (2011)
Graduate Coordinator, Special Education
B.A., M.A.T., Western Carolina University; Ph.D., University of North Carolina
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
Dean Alexander Schofield (dschofield@wcupa.edu) (2013)
B.A., Keene State College; M.Ed., Western Carolina University; Ph.D., University of Virginia
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 prerequisite 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.

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.
The Families and Special Education course is a writing emphasis course 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.

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.

EDA 314. Curriculum and Instruction for Individual Learning Differences I. 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: EDA314 requires prerequisites of EDA103, EDA203 and Co-requisite EDA361 and Formal Admission to Teacher Education.
Typically offered in Fall & Spring.

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 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 EDP 100 or EDP 300. Honors students take HON312 in lieu of EDF300.
Gen Ed Attribute: Diversity Requirement.
Cross listed with EDA 341, EDR 341.

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, 203, co-requisite of EDA 314 and formal admission to teacher education.
Typically offered in Fall & Spring.

EDA 375. Autism Studies: Assessment & Instruction I. 3 Credits.
This course is designed to inform students about assessment and instructional planning for students with autism. 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 375 requires prerequisite EDA 175; Field Clearances.
Typically offered in Fall & Spring.

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 EDA302/350/360; 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: Add consent.
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.
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.
Pre / Co requisites: EDA 414 requires prerequisite EDA 103, EDA 203, Formal Admission to Teacher Education.
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, EDA103, 203, 314, 321, 361, 413, 421 and 429.
Typically offered in Fall & Spring.

EDA 417. 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 417 requires formal admission into teacher education and EDA 103, 203, 314, 321, 361, 413, 421, & 429.
Typically offered in Fall & Spring.

EDA 421. Curriculum and Instruction for Individual Learning Differences II and Field. 6 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 421 requires prerequisite EDA 103, 203, 314, 321, 361, and Formal Admission to Teacher Education.
Typically offered in Fall, Spring & Summer.

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. - SPECIAL EDUCATION: 7-12

College of Education

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

<table>
<thead>
<tr>
<th>Subject</th>
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<td>English Composition</td>
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<td>Math requirement</td>
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<td>Science</td>
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<td>Behavioral and Social Science requirements</td>
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<tr>
<td>Humanities</td>
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<tr>
<td>Arts</td>
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<tr>
<td>Diverse Communities requirement</td>
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</tr>
<tr>
<td>ENG 382 or LAN 382</td>
<td>3</td>
</tr>
<tr>
<td>Interdisciplinary requirement</td>
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<tr>
<td>Student Electives</td>
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Additional Baccalaureate Requirements

Writing Emphasis requirements

9

Major Requirements

<table>
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<tr>
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<th>Credits</th>
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<tr>
<td>EDA 103</td>
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<tr>
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<td>EDA 414</td>
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<td>EDA 416</td>
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<tr>
<td>EDA 421</td>
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</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)

Secondary education program requirements:

- B.S.Ed. in Biology (p. 198)
- B.S.Ed. in Chemistry (p. 205)
- B.S.Ed. in English (p. 251)
- B.S.Ed. in Mathematics (p. 353)
- B.S.Ed. in Physics (p. 397)
- B.S.Ed. in Earth and Space Sciences (p. 269)
- B.A. in History (p. 285)

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.
Degree Progress
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. - SPECIAL EDUCATION: PREK-8 AND EARLY GRADES PREPARATION (PREK-4)

College of Education

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

Academic Foundations requirements 18

English Composition (6 credits)
- MAT 101 (3 credits)
- Public Speaking (3 credits)

Diverse Communities requirement
- ENG 382 or LAN 382 Teaching English Language Learners PK-12

Interdisciplinary requirement
- EDF 255 Evolution of Schooling in U.S.

Science requirements 6
- SCI 101 The Carbon Cycle
- SCI 102 Electricity With Physical And Bio Appl

Behavioral and Social Science requirements 6
- GEO 101 World Geography
- or PSC 100 U.S. Government and Politics

Humanities requirements 6
- HIS 150 The American Experience
- LIT 219 Literature for Young Children

Arts requirement 3
- MDA 240 Integrating the Arts within the Elementary Classroom

Student Electives 3

Additional Baccalaureate Requirements

Writing Emphasis requirements 9

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 PreK-4 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
- EDP 353 Assessment for Learning: Early Grades 3
- EDR 304 Teaching Language Arts Pre-K-4 3
- EDR 307 Foundation in Reading PreK-4 3
- EDR 317 Reading Instruction and Practicum PreK-4 6
- EDR 345 Literacy Development and Students in Inclusive Classrooms 3
- EGP 209 Child Development: Prebirth - 5 Years 3

total minimum credits required 90

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.

Degree Progress
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

Foundation

Select one of the following: 3-6
- EDA 103 Foundations of Special Education
- KIN 205 & KIN 206 Curriculum and Instruction: Inclusion in Health & Physical Education and Adapted PE & Health for Students with Disabilities

Core

EDA 175 Introduction to Autism: Characteristics & Etiology 3
- EDA 275 Autism: Families, Inter-agency, and Community Collaboration 3
- EDA 375 Autism Studies: Assessment & Instruction I 3
- EDA 475 Autism Studies: Assessment & Instruction II 3

Electives

Select one of the following: 0-3
- KIN 205 Curriculum and Instruction: Inclusion in Health & Physical Education
- KIN 306 Adapted PE & Health for Students with Disabilities 3
- EDA 203 Field: Students with Exceptionalities 3
- EDA 304 Special Ed Processes/Procedures for Secondary Educators 3
- LAN/ENG 382 Teaching English Language Learners PK-12 3
- PSY 100 Introduction to Psychology 3
- PSY 327 Applied Behavior Analysis 3
- PSY 421 Issues in Autism: Diagnosis and Behavioral Treatments 6
- SPP 101 Introduction to Communicative Disorders 3
- SPP 110 American Sign Language I 3

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.

**MINOR IN SPECIAL EDUCATION**

*College of Education*

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>EDA 103</td>
<td>Foundations of Special Education</td>
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<td>EDA 203</td>
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<td>EDA 314</td>
<td>Curriculum and Instruction for Individual Learning Differences I</td>
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<tr>
<td>EDA 361</td>
<td>Assessment and Special Education</td>
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</tr>
<tr>
<td>EDA 421</td>
<td>Curriculum and Instruction for Individual Learning Differences II and Field</td>
<td>6</td>
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</tbody>
</table>

**Total Credits** 18

Students completing the Special Education Minor are not required to attain Formal Admission to Teacher Education as a prerequisite for the minor courses.
DEPARTMENT OF SPORTS MEDICINE

College of Health Sciences
216 Sturzebecker Health Sciences Center
610-436-3293
Department of Sports Medicine (http://www.wcupa.edu/Academics/HealthSciences/sportsmed/default.asp)
Carolyn Consuelo Jimenez (cjimenez@wcupa.edu), Chairperson
Neil Curtis (ncurtis@wcupa.edu), Assistant Chairperson, Coordinator of Athletic Training Education
Sandra Fowkes-Godek (sfowkes-godek@wcupa.edu), Coordinator of Physician Services
Scott Heinerichs (sheinerichs@wcupa.edu), Coordinator of Sports Medicine 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.

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. In addition, the department maintains a close working relationship with the Human Performance Laboratory of the Department of Kinesiology (p. 295).

Pre-Physical Therapy Options

A student may follow several academic paths to prepare for a professional physical therapy program. There is no official Pre-Physical Therapy curriculum at West Chester University. Students who are interested in preparing for a professional physical therapy school may meet the prerequisites through

1. the College of Arts and Sciences by enrolling in the Department of Biology (p. 185)
2. the College of Health Sciences by enrolling in the Department of Sports Medicine (p. 427)
3. or through the Department of Kinesiology (p. 295).

Students also may elect to take their undergraduate degree in the College of Arts and Sciences in the Liberal Studies Science and Mathematics track (p. 330) with a Biology minor. Students interested in Pre-Physical Therapy should contact Dr. Neil Curtis in Sports Medicine, Dr. Sharon Began in Biology (p. 185), or Craig Stevens in Kinesiology (p. 295).

Programs

Major in Athletic Training

- B.S. in Athletic Training (p. 429)

Policies

- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

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 (sfowkesgod@wcupa.edu) (1991)
B.S., Pennsylvania State University; M.S., University of Colorado; Ph.D., Temple University
Carolyn Consuelo Jimenez (cjimenez@wcupa.edu) (1994)
Chairperson, Sports Medicine
B.A., Colorado College; M.S., University of Arizona; Ph.D., Temple University
Associate Professors
Neil Curtis (ncurtis@wcupa.edu) (1993)
Assistant Chairperson, Sports Medicine
B.S., Boston University; M.S., University of Arizona; Ed.M., Ed.D.,
Columbia University
Alison Gardiner-Shires (agardiner@wcupa.edu) (2008)
B.S., Salisbury University, M.S., California University of Pennsylvania;
Ph.D., University of South Carolina
Scott Heinerichs (sheinerich@wcupa.edu) (2004)
B.S., West Chester University; M.A.T., University of South Carolina;
Ed. D., Widener University

Assistant Professors
Nicole Cattano (ncattano@wcupa.edu) (2007)
B.S., University of North Carolina at Greensboro; M.P.H., West
Chester University; Ph.D., Temple University
Katherine Morrison (kmorrison@wcupa.edu) (2007)
Graduate Coordinator, Kinesiology
B.S., West Chester University; M.S., James Madison University; Ph.D.,
University of Delaware

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.
Repeatable for Credit.

SMD 204. First Aid for Health Professionals. 3 Credits.
LAB, LEC.
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.
Present active individuals with information on the incidence, prevention, and management
of sport/recreational injuries. In addition, the psychological impact and sociological factors
influencing health care delivery will be addressed. Taken together students will be better
prepared and more informed consumers of sport/recreational health care.
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: SMD212 requires prerequisites of BIO 269, SMD 312 Athletic Training
Majors only.
Distance education offering may be available.
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 300. 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.
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.
Distance education offering may be available.
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.
Distance education offering may be available.
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.
Repeatable for Credit.
Cross listed with EKS 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.
Distance education offering may be available.
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 prerequisites of SMD 316. Athletic Training majors only.
Distance education offering may be available.
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.
Distance education offering may be available.
Typically offered in Fall.

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.
Distance education offering may be available.
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
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)
Academic Foundations requirements 12
- English Composition (6 credits)
- Math (3 credits)
- Public Speaking (3 credits)
Science requirements 6
- Behavioral & Social Science requirements 6
- Humanities requirements 6
- Arts requirement 3
- Diverse Communities requirement 3
- Interdisciplinary requirement 3
- Student Electives 9

Additional Baccalaureate Requirements
Writing Emphasis requirements 9

Major Requirements
SMD 100 Foundations of Sports Medicine 2
SMD 204 First Aid for Health Professionals 3
SMD 272 Athletic Training Techniques 3
SMD 301 Therapeutic Modalities 3
SMD 311 Therapeutic Exercise for Athletic Training 3
SMD 312 Pathology/Evaluation of Athletic Injury/Illness I 3
SMD 313 Pathology/Evaluation of Athletic Injury/Illness II 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 7
& EXS 381 and Fitness Assessment - Exercise Prescription 3
MAT 121 Statistics 3
NTD 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 Services 1
MAT 121 Statistics 3
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
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
NTD 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
SMD 454 Theories/Practices of Conditioning & Tng
SML 310 Therapeutic Modalities Lab
SML 311 Therapeutic Exercise Lab

Total Minimum Credits Required 120

Degree Progress

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; courses offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

Year One
Semester One Credits
WRT 120 Effective Writing I 3
PSY 100 Introduction to Psychology 3
SMD 1001 Foundations of Sports Medicine 2
BIO 110 General Biology 3
SPK 208 (or Arts, or other Gen. Ed.) Public Speaking 3
Gen Ed Course 3

Credits 17

Semester Two
BIO 2591,2 Human Anatomy and Physiology I 4
SMD 2041,2 First Aid for Health Professionals 3
SPK 208 (or Arts, or other Gen. Ed.) Public Speaking 3
Beh & Soc Science Course 3
Select one of the following:
- WRT 200 Critical Writing and Research 3
- WRT 220 Critical Writing: Special Topics 3
- WRT 208 Critical Writing: Entering Public Sphere 3

Credits 16

Year Two
Semester Three
SMD 3611,2 Kinesiology 3
SMD 272 or 261,2 Athletic Training Techniques 3
BIO 2691,2 Human Anatomy and Physiology II 4
SPK 208 (or Art, or other Gen. Ed.) Public Speaking 3
MAT 121 Statistics 3

Credits 16

Semester Four
EXS 3801,2 Exercise Physiology 3
SMD 261 or 2721,2 Surface Anatomy 3
SMD 3121,2 Pathology/Evaluation of Athletic Injury/Illness II 3
CHE 107 General Chemistry for Allied Health Sciences 4
CRL 107 General Chemistry Lab for Allied Health Services 1
NTD 303 Introductory Principles Human Nutrition 3

Credits 17

Year Three
Semester Five
SMD 3112 Therapeutic Exercise for Athletic Training 3
SMD 3132 Pathology/Evaluation of Athletic Injury/Illness III 3
SMD 3152 Sports Injury Management I 3
SMD 317 Therapeutic Exercise for Athletic Training 3

Credits 18

Semester Six
SMD 3102 Therapeutic Modalities 3
SMD 2122 Pathology Eval Athletic Injury/Illness I 3
SMD 3162 Sports Injury Management II 3
SML 310 Therapeutic Modalities Lab 1
Interdisciplinary ("I" course) 3
Elective 3

Credits 18

Year Four
Semester Seven
SMD 4142 History, Organization Administration of Sports Medicine 3
SMD 4172 Sports Injury Management III 3
SMD 4542 Theories/Practices of Conditioning Tng 3
PHY 100 Elements of Physical Science 3
Diverse Communities ("J" course) 3

Credits 15

Semester Eight
SMD 4182 Sports Injury Management IV 3
Student Elective 3
Student Elective 3
Student Elective 3
Humanities or other Gen. Ed. Course 3

Credits 15

1 Prerequisites for Fifth Semester.
2 Must earn C or better in these classes.
DEPARTMENT OF THEATRE AND DANCE

College of Visual & Performing Arts
119 E.O. Bull Center for the Arts
610-436-3463
Department of Theatre and Dance (http://www.wcupa.edu/cvpa/theatreDance/default.aspx)
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 adviser to develop their curricular plans, select courses prior to scheduling, discuss career options, and to be aware of cocurricular 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; Department Student Activities

Programs
Major in Theatre and Dance

• B.A. in Theatre (p. 435)

Minors in Theatre and Dance

• Theatre Arts (p. 436)
• Dance (p. 436)

Policies

• See undergraduate admissions information. (p. 11)
• See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

Faculty

Professor
Harvey Rovine (hrovine@wcupa.edu) (1992)
Chairperson, Theatre and Dance
B.S., Towson State University; M.A., University of Central Florida; Ph.D., University of Illinois

Associate Professors
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., B.A., College of Wooster; M.F.A., University of North Carolina-Greensboro
Gretchen Studlien-Webb (gstudlienn@wcupa.edu) (1999)
B.A., Ohio State University; M.F.A., 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
Rebecca A. Field (rfield@wcupa.edu) (1998)
B.Mus., West Chester University; M.Mus., D.Mus., Indiana University
Thomas Haughey (thaughey@wcupa.edu) (2006)
B.S., Elizabethtown College; M.F.A., University of Connecticut
Maria Urrutia (murrutia@wcupa.edu) (2012)
B.F.A., The University of the Arts; M.Ed., Temple 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 or 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 1. 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 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 present day.
Gen Ed Attribute: Arts Distributive Requirement. Typically offered in Fall & Spring.

DAN 135. Tap Dancing 1. 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 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 ion terms of movement and explores the process of discovering, creating and performing movement spontaneously.
Pre / Co requisites: DAN 205 requires prerequisite of DAN 130 or 132 or 232 or 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 1) 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 II. 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 1 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 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 will be 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.
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 prerequisite: one of the following courses: DAN 232, 233, 234, 332, 333, or 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 prerequisite: One of the following courses: DAN 232, 233, 234, 332, 333 or 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. Repeatable for Credit.

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. Fulfills general education arts requirement.
Gen Ed Attribute: Arts Distributive Requirement. Typically offered in Fall & Spring.

THA 104. Stagecraft. 3 Credits.
To demonstrate thorough 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 scenic 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 theatre 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. Fulfills general education arts requirement. 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.
Dialects and regionalisms for the stage.
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. Fulfills general education requirement.

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 pre-requisite of THA 104 and 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 prehearsal 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: Add consent. 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. Typically offered in Spring.

THA 306. History of Theatre/Drama I. 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 Fall.

THA 307. History of Theatre/Drama II. 3 Credits.

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. Fulfills general education requirement. 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.
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 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-text 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 usable skillset 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 will acquaint students with styles of composition and vocal presentation through various musical theatre productions. Pre / Co requisites: THA 325 requires prerequisite THA 103, THA 203, VOI 181, THA 221 and DAN 130. Typically offered in Fall.

THA 326. History of Theatre/Drama III. 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 Fall.

THA 327. History of Musical Theatre. 3 Credits.
This course 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 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: Add consent.
Repeatable for Credit.

THA 400. Professional 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.
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: Add consent.
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 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.

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**

**College of Visual & Performing Arts**

**Curriculum**

**General Education Requirements**
See concentration requirements below

**English Composition**

1 English Composition (6 credits)

**Math**

1 Math (3 credits)

**Science**

6 Science requirements

**Behavioral & Social Science**

6 Behavioral & Social Science requirements

**Humanities**

6 Humanities requirements

**Arts**

3 Arts requirement

**Diverse Communities**

3 Diverse Communities requirement

**Interdisciplinary**

3 Interdisciplinary requirement

**Student Electives**

9 Student Electives

**Additional Baccalaureate Requirements**

9 Writing Emphasis requirements

**Language and Culture**

3-15 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.

**Major Requirements**

3-15 Technical courses in the following areas: costume, lighting, scenery, leadership I, leadership II, capstone project

**Elective Concentration Requirements**

20-21 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**

3 THA 203 Acting II

3 THA 303 Acting Shakespeare

3 THA 318 Audition Techniques

3 THA 323 Dialects for the Performer

3 THA 350 Scene Into Song

3 THA 342 Musical Theatre Fundamentals

1 VOI 181 Class Voice for Non-Music Majors

1 VOI 182 Class Voice for Non-Music Majors

**Musical Theatre**

6 Select 6 semester hours of technical dance choices

1 THA 221 Musical Theatre Fundamentals

3 THA 319 Musical Theatre Repertoire

3 THA 325 Scene Into Song

3 THA 342 History of Musical Theatre

1 VOI 181 Class Voice for Non-Music Majors

1 VOI 182 Class Voice for Non-Music Majors
MINOR IN DANCE

To fulfill this program of study, all dance minor students are required to take 21 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. Applicants must obtain and complete a minor registration form through the Office of the Registrar for transcript recognition.

Core and Performance Courses
DAN 344 History of Dance 3

Electives
Select two of the following: 6
- DAN 210 The Dancer’s Body
- DAN 315 Dance Pedagogy
- DAN 441 Dance Composition & Choregraph Techniques
- DAN 442 Musical Theatre Dance and Choreography

Technique Courses
Select 8 semester hours of the following: 8
- DAN 205 Improvisation
- DAN 232 Modern Dance II
- DAN 233 Jazz Dance II
- DAN 234 Ballet II
- DAN 235 Tap Dancing II
- DAN 332 Modern Dance III
- DAN 333 Jazz III
- DAN 334 Ballet III
- DAN 335 Advanced Tap

Performance Courses
THA 104 Stagecraft 3
DAN 346 Repertory Development 2

Total Credits
21

MINOR IN THEATRE ARTS

College of Visual & Performing Arts

Required Courses
THA 103 Acting I 3
THA 104 Stagecraft 3
THA 113 Script Analysis 3
THA 200 Theatre Practicum 1-3

Select three theatre electives as advised 9

Production Minor Requirements
Theatre minors are expected to belong to University Theatre
Theatre minors are required to work on half of the productions each semester.
This requirement can be satisfied through specific lab hours or through participation in productions.

Total Credits
19-21
WOMEN'S AND GENDER STUDIES PROGRAM

College of Arts & Sciences
143 Main Hall
610-436-2464
Women's and Gender Studies (http://www.wcupa.edu/womensstudies)
Lisa Ruchti (lruchti@wcupa.edu), Director

The Women's and Gender Studies program consists of an interrelated group of courses offered in a wide variety of academic disciplines. The program operates under the supervision of the Women's and Gender Studies Steering Committee. This program 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 program 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 program 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

Major in Women's and Gender Studies
- B.A. in Women's and Gender Studies (p. 438)

Minor in Women's and Gender Studies
- Women's Studies (p. 438)

Policies
- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

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.
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 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 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 225 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.
Repeatable for Credit.

WOS 351. 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.
Typically offered in Fall.

WOS 335. Gender, Race and Science. 3 Credits.
An interdisciplinary 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.
B.A. IN WOMEN’S AND GENDER STUDIES

College of Arts & Sciences

Curriculum

General Education Requirements (http://catalog.wcupa.edu/undergraduate/general-education-requirements)

Academic Foundations requirements 12
  English Composition (6 credits)
  Math (3 credits)
  Public Speaking (3 credits)

Science requirements 6
  Behavioral & Social Science requirements 6
  Humanities requirements 6
  Arts requirement 3
  Diverse Communities requirement 3
  Interdisciplinary requirement 3
  Student Electives 9

Additional Baccalaureate Requirements

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 3-12

Major Requirement
  WOS 225 Intro to Women’s and Gender Studies 3
  WOS 305 Intellectual Roots of Western Feminism (strongly recommended) 3
  WOS 405 Feminist Theory 3

Other Approved Courses
  Select 18-24 semester hours 3-12

Electives
  Electives to complete 120 semester hours Total Minimum Credits Required 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.

Degree Progress

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 & Sciences

Required Courses
  WOS 225 Intro to Women’s and Gender Studies 3
  Select one of the following: Total Credits 3
    WOS 405 Feminist Theory
    WOS 410 Senior colloquium
    WOS 415 Senior Project

Electives 12

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. Lisa Ruchti, 143 Main Hall. See departmental listings for all other courses.
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**

**Minor in Youth Empowerment and Urban Studies**
- Youth Empowerment and Urban Studies (p. 439)

**Policies**
- See undergraduate admissions information. (p. 11)
- See academic policies. (http://catalog.wcupa.edu/undergraduate/academic-policies-procedures)

**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**

**Required Courses**

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**Focused Electives**

Choose one course from each of the following three categories: 9

Urban Contexts and Communities

**Total Credits** 18

1 Open to Honors College students only.
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