Master's Programs in Geography and Planning

Programs

The Department offers two graduate degrees: Master of Science in Geography and Master of Urban and Regional Planning. The Master of Science in Geography is designed to develop skills and expertise in areas such as geospatial analysis, sustainability and environment, conservation of resources, and GIS analysis, including business and commercial applications. It also prepares students for entrance into Ph.D. programs in geography and in planning.

The Master of Urban and Regional Planning is a professional degree designed to prepare students for careers as professional planners or in related fields. The program is designed to develop skills and expertise in land use planning, economic development planning, and environmental planning. Geospatial analysis and techniques are integrated throughout the program. Students develop analytical and communication skills essential to a career in planning.

The department offers two certificate programs—one in urban and regional planning and the other in geographic information systems (GIS)—for students who desire specific programs of study but not a degree. The GIS Certificate is offered in a classroom-based format or online. The Certificate in Urban and Regional Planning may be combined with the core courses of the Master of Public Administration (M.P.A.) to complete the M.P.A. degree. The latter is an interdisciplinary degree described under Master of Public Administration (http://catalog.wcupa.edu/graduate/business-public-management/public-policy-administration/master-public-administration-mpa).

Programs

Master’s Programs in Geography and Planning

- M.S. in Geography (http://catalog.wcupa.edu/graduate/business-public-management/geography-planning/geography-ms)
- Master of Urban and Regional Planning (http://catalog.wcupa.edu/graduate/business-public-management/geography-planning/master-urban-regional-planning)

Certificates in Geography and Planning

- Urban and Regional Planning (http://catalog.wcupa.edu/graduate/business-public-management/geography-planning/urban-regional-planning-certificate)
- Geographic Information Systems (http://catalog.wcupa.edu/graduate/business-public-management/geography-planning/geographic-information-systems-certificate)

Admissions

All applicants to one of West Chester University’s graduate programs will be held to the graduate admissions requirements (http://catalog.wcupa.edu/general-information/admissions-enrollment/graduate-admissions). When applicable, additional requirements for admission into specific department program(s) may be listed below.

Admission to M.S. in Geography

Applicants should submit transcripts of all undergraduate work, two letters of recommendation, a resume that indicates relevant work experience, and a statement of career background and goals. GRE or other standardized scores are useful in the admission process but are not required. The department welcomes qualified applicants who have no previous background in geography, although additional preliminary or concurrent work may be required. Admission is based on department evaluation of course work taken for the baccalaureate degree and additional course work, if any, in combination with the other criteria above.

Admission to Certificate Programs

Students who want to enroll in a certificate program must hold a bachelor’s degree (in any subject area) from an accredited institution and have an undergraduate grade point average (GPA) of 2.8. Interested students should complete the online graduate studies application available at www.wcupa.edu/grad, and follow the instructions for the self-managed application process. If a certificate student subsequently or simultaneously applies for and is accepted into the Master of Science degree program in geography, the geography courses taken for the certificate programs can be counted towards the degree.

Policies

All graduate students are held to the academic policies and procedures outlined in the graduate catalog. Students are encouraged to review departmental handbooks for program tips, suggested course sequences, and explanations of procedures. When applicable, additional policies for specific department programs may be listed below.

Faculty

Professors

Joy Fritschle (jfritschle@wcupa.edu) (2007)
B.A., Humboldt State University; M.S., University of Memphis; Ph.D., University of Wisconsin–Madison

Dorothy Ives-Dewey (divesdewey@wcupa.edu) (2005)
Chairperson, Geography and Planning
Typically offered in Spring.

population change (mortality, fertility, and migration) are examined. The dynamic processes of

GEO 524. Population Processes. 3 Credits.

Characteristics and distribution of world populations are studied. The dynamic processes of

Typically offered in Spring.

Associate Professors
Gary Coutu (gcoutu@wcupa.edu) (2005)
B.A., Duquesne University; M.S.P.M.P., Carnegie Mellon University; Ph.D., Texas A&M University
Matin Katirai (makatirai@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 502. Topical Seminar in Geography. 3 Credits.
Special topics in geography or planning not offered under existing, regularly offered courses. Typically offered in Fall & Spring. Repeatable for Credit.

GEO 503. Seminar in Modern Geography. 3 Credits.
A survey of modern geographic research, with historical perspective. Attention is given to research methodology, and to the breadth of subfields and perspectives in the discipline. Typically offered in Fall.

GEO 505. Planning Design. 3 Credits.
Methods and techniques of planning design. Presentation of statistical data in map form. Consent: Permission of the Department required to add. Typically offered in Spring.

GEO 506. Seminar in Physical Geography. 3 Credits.
This course examines aspects of the physical environment that must be considered when planning any site for urban, industrial, or suburban activity. Typically offered in Spring.

GEO 507. Internet Applications of Geographic Information Systems. 3 Credits.
The course examines the principles and applications of web-based and mobile geographic information systems (GIS). Internet map services, navigation/GPS systems and cell-phone based applications are examined through the use of ArcGIS Internet map Server, Google Earth, Google APIs and cell phone applications. Distance education offering may be available. Typically offered in Fall & Summer.

GEO 509. Quantitative Methods in Planning/Geography. 3 Credits.
Fundamental statistics, methods, and techniques applied to geographic research and decision making, such as urban and regional planning. Typically offered in Fall.

GEO 521. Suburbanization and Land Development. 3 Credits.
Component systems and functional operations of urban/suburban communities, including ecological and demographic aspects. Emphasis on organization, development, change, and problems of communities. Typically offered in Spring.

GEO 524. Population Processes. 3 Credits.
Characteristics and distribution of world populations are studied. The dynamic processes of population change (mortality, fertility, and migration) are examined. Typically offered in Spring.
GEO 584. Applications of Geographic Information Systems. 3 Credits.
This course builds on GEO 534, expands upon important technical concepts in greater detail, and explores a range of GIS application areas.
Pre / Co requisites: GEO 584 requires prerequisite of GEO 534.
Distance education offering may be available.
Typically offered in Spring.

GEO 585. Geography Field Methods. 3 Credits.
An advanced field course that includes urban and land-use studies. Use of field methods, mapping, and data collection for geographical reports.
Typically offered in Fall.

GEO 600. Independent Research in Geography. 3 Credits.
Research projects, reports, and readings in geography.
Consent: Permission of the Department required to add.
Typically offered in Fall, Spring & Summer.
Repeatable for Credit.

GEO 610. Thesis in Geography. 3-6 Credits.
A thesis is developed on a research problem for which the student formulates a theory, proposition or hypothesis, and investigates available information on the subject.
Typically offered in Fall, Spring & Summer.
Repeatable for Credit.

GEO 615. Internship in Urban and Regional Planning. 3-6 Credits.
On-the-job experience in the application of theory, execution of substantive research, and provision of service with professional agencies at selected off-campus locations.
Typically offered in Fall, Spring & Summer.
Repeatable for Credit.

PLN
PLN 505. Planning Design (Studio A). 3 Credits.
Selected experiences designed to assist the student (either as an individual or as a member of a group) to understand the fundamental knowledge and technical skills used by urban planners to research, analyze, create and implement plans and projects in the built environment.
Typically offered in Fall.

PLN 508. Qualitative Methods and Community Engagement Techniques. 3 Credits.
This course focuses on qualitative methods and citizen engagement techniques in the planning process. Topics include citizen participation, social justice, governance and working with under-represented populations. Students learn how to apply and analyze a range of qualitative techniques including community surveys, key person interviews, and focus groups. Students learn how to structure a public meeting and about techniques planners use to bring meaningful and representative citizen participation into community decision-making.
Typically offered in Spring.

PLN 525. Planning History, Theory and Ethics. 3 Credits.
This course examines current planning theories including comprehensive, incremental, advocacy, equity, radical, communicative and just city approaches to planning. The course will examine several facets of planning theory including the role of planning within a democratic society, how planning influences society and society values, new directions within the field, and finally the relationship between planning theory and planning practice. As a result, it will enable students to critically examine the purpose and contribution of planning within society as well as the role of the planner including the issue of planning ethics, professional standards and conduct.
Typically offered in Fall.

PLN 527. Planning Law and Organization. 3 Credits.
An insight into the role of federal, state, and local governments in instituting, executing, and judicially reviewing laws and regulations pertaining to land uses. Emphasis on the legal organization of the planning process, particularly at the local level. Major land-use court cases are presented and reviewed.
Typically offered in Spring.

PLN 528. Economic Development Planning. 3 Credits.
The course will explore the global and national context in which local economies operate, providing a perspective and rationale for how to design economic development strategies at a local level (community, local municipality, city, and state). The class begins with an examination of larger-scale economic principles and a look at the history of economic development patterns in the US, focusing on barriers to development for places and people, and the role of the local public sector in generating jobs, employment, and tax base.
Typically offered in Fall.

PLN 536. Environmental Planning. 3 Credits.
In-depth instruction on 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.

PLN 605. Planning Design (Studio B). 3 Credits.
Selected experiences designed to assist the student (either as an individual or as a member of a group) in developing proficiency in applied planning techniques including site analysis and development design.
Pre / Co requisites: PLN 605 requires a prerequisite of PLN 505.
Typically offered in Spring.
Repeatable for Credit.