

MAJOR IN GEOGRAPHY AND ENVIRONMENTAL PLANNING

Requirements

Geography and Environmental Planning majors must complete a minimum of 39 units.

Code	Title	Units
Foundation Courses		
GEOG 101	PHYSICAL GEOGRAPHY	3
GEOG 109	INTRODUCTION TO HUMAN GEOGRAPHY	3
GEOG 221	INTRODUCTION TO GEOSPATIAL TECHNOLOGY	3
GEOG 401	GROWTH OF GEOGRAPHIC THOUGHT	3
Methods Course		
GEOG 375 or GEOG 376	QUANTITATIVE METHODS IN GEOGRAPHY QUALITATIVE METHODS IN GEOGRAPHY	3
Regional Course		
Select one from the following:		3
GEOG 420	GEOGRAPHY OF THE UNITED STATES AND CANADA	
GEOG 423	GEOGRAPHY OF MARYLAND	
GEOG 431	GEOGRAPHY OF AFRICA	
GEOG 443	GEOGRAPHY OF EAST ASIA	
GEOG 444	GEOGRAPHY OF SOUTH ASIA	
GEOG 447	GEOGRAPHY OF THE MIDDLE EAST	
GEOG 451	GEOGRAPHY OF EUROPE	
GEOG 453	GEOGRAPHY OF RUSSIA	
GEOG 454	RETHINKING BRAZIL	
GEOG 461	GEOGRAPHY OF LATIN AMERICA	
GEOG 462	THE TWO DOWN-UNDERS: GEOGRAPHIES OF AUSTRALIA AND AOTEAROA-NEW ZEALAND	
GEOG 463	THE SILK ROAD: THE GEOGRAPHIES OF CENTRAL EURASIA	
Electives		
Select seven Geography (GEOG) courses (maximum two courses may be lower-level).		21
GEOG 102	WORLD REGIONAL GEOGRAPHY	
GEOG 105	GEOGRAPHY OF INTERNATIONAL AFFAIRS	
GEOG 232	INTRO TO GEOGRAPHIC INFORMATION SCIENCE	
GEOG 251	INTRODUCTION TO URBAN PLANNING	
GEOG 315	GEOMORPHOLOGY	
GEOG 321	INTRODUCTION TO REMOTE SENSING AND PHOTOGRAMMETRY	
GEOG 319	SOILS AND VEGETATION	
GEOG 323	CARTOGRAPHY AND GRAPHICS I	
GEOG 329	GEOGRAPHIES OF HEALTH	
GEOG 350	GEOGRAPHY OF THE BLUES	
GEOG 355	HISTORICAL GEOGRAPHY OF URBANIZATION	
GEOG 357	CULTURAL GEOGRAPHY	

GEOG 358	FEMINIST GEOGRAPHIES
GEOG 359	ECONOMIC GEOGRAPHY
GEOG 373	CLIMATOLOGY
GEOG 376	QUALITATIVE METHODS IN GEOGRAPHY
GEOG 377	METEOROLOGY
GEOG 381	POLITICAL GEOGRAPHY
GEOG 383	NATURAL RESOURCES AND SOCIETY: A GEOGRAPHIC PERSPECTIVE
GEOG 385	POPULATION GEOGRAPHY
GEOG 391	URBAN SYSTEMS
GEOG 393	TRANSPORTATION AND INFRASTRUCTURE PLANNING
GEOG 403	URBAN HOUSING JUSTICE
GEOG 405	COMPREHENSIVE PLANNING
GEOG 408	APPLICATION OF GIS IN EMERGENCY MANAGEMENT
GEOG 409	APPLIED CLIMATOLOGY
GEOG 410	ENVIRONMENTAL GEOGRAPHY
GEOG 411	STUDIES IN NATURAL HAZARDS
GEOG 412	GEOGRAPHIES OF CONSUMPTION AND WASTE
GEOG 413	SEVERE AND HAZARDOUS WEATHER
GEOG 414	GIS APPLICATIONS
GEOG 416	ADVANCED REMOTE SENSING: DIGITAL IMAGE PROCESSING AND ANALYSIS
GEOG 417	OUTDOOR RECREATION AND PLANNING MANAGEMENT
GEOG 419	CLIMATE CHANGE: SCIENCE TO POLICY
GEOG 426	GIS DATABASE DESIGN
GEOG 427	THE GLOBAL ECONOMY
GEOG 428	PYTHON SCRIPTING FOR ARCGIS
GEOG 465	ADVANCED TECHNIQUES IN GIS
GEOG 467	ENVIRONMENTAL HYDROLOGY
GEOG 468	FLUVIAL GEOMORPHOLOGY
GEOG 470	SPECIAL TOPICS IN GEOGRAPHY
GEOG 471	GEOSPATIAL TECHNOLOGIES SPECIAL TOPICS
GEOG 472	SPECIAL TOPICS IN SPACE AND SOCIETY
GEOG 473	SPECIAL TOPICS IN ENVIRONMENTAL SYSTEMS AND SUSTAINABILITY
GEOG 481	ENVIRONMENTAL IMPACT ANALYSIS
GEOG 484	LAND USE PLANNING
GEOG 491	GEOGRAPHY/ENVIRONMENTAL PLANNING INTERNSHIP
GEOG 494	TRAVEL AND STUDY
GEOG 495	DIRECTED READNGS IN GEOGRAPHY
GEOG 496	INDEPENDENT STUDY IN GEOGRAPHY

Total Units **39**

Departmental Honors Program

The Department of Geography & Environmental Planning offers a departmental honors program for students who demonstrate exemplary abilities in geography. Students who earn a degree in geography with honors graduate with a sense of tremendous accomplishment while

also increasing their marketability to employers and graduate schools. The departmental honors program is academically rigorous. Students complete an intensive research project in their area of interest and gain a firm grounding in research for graduate school and the job market.

Geography majors who are interested in pursuing the program must meet first with the department chair. Applicants must complete 75 units with a cumulative GPA of 3.30 and at least 18 units of geography with a GPA of 3.50 in the major. Applicants admitted to the departmental honors program must complete a minimum of 6 units of Honors Directed Readings (GEOG 498) and Honors Thesis in Geography (GEOG 499), which may also serve to satisfy upper-level elective units needed for the major. Successful departmental honors students will complete a twenty page paper presenting substantial research in geography and defend their thesis before a faculty audience. Departmental honors are designated on the successful graduate's transcript.

Code	Title	Units
Required Coursework for Departmental Honors in Geography		
GEOG 498	HONORS DIRECTED READINGS	3
GEOG 499	HONORS THESIS IN GEOGRAPHY	3

Four-Year Plan of Study

Major in Geography and Environmental Planning Suggested Four-Year Plan

Based on course availability and student needs and preferences, the selected sequences will probably vary from those presented below. Students should consult with their adviser to make the most appropriate elective choices.

Freshman

Term 1	Units Term 2	Units
GEOG 101 (Core 8)	3 GEOG 221	3
GEOG 109 (Core 12)	3 GEOG Elective 1	3
MATH 111 (Core 3)	3 Core 2 (or Core 1)	3
Core 1 (or Core 2)	3 Core 7	4
Elective	3 Core 6	3
	15	16

Sophomore

Term 1	Units Term 2	Units
GEOG Elective 2	3 GEOG Elective 3	3
Core 4	3 GEOG 251 (Core 10)	3
Core 11	3 Elective	3
Elective	3 Elective	3
Elective	3 Elective	3
	15	15

Junior

Term 1	Units Term 2	Units
GEOG 375 or 376 (Methods Course)	3 GEOG Elective 4	3
GEOG 401 (Core 9)	3 Core 14	3
GEOG Upper-Level Regional Course	3 Elective	3
Core 5	3 Elective	3
Core 13	3 Elective	3
	15	15

Senior

Term 1	Units Term 2	Units
GEOG Elective 5	3 GEOG Elective 6	3
Elective	3 GEOG Elective 7	3
Elective	3 Elective	3
Elective	3 Elective	3
Elective	3 Elective	2
	15	14

Total Units 120

Learning Outcomes

- Demonstrate understanding of global or local impact of a geographic region's unique characteristics.
- Analyze problems using spatial reasoning and problem solving skills.
- Acquire geographical information literacy.
- Demonstrate effective communication of geographical information.