

Geography



The Human Geography Option (B.S.) and the Environmental/Physical Geography Option (B.S.) each require students to fulfill a total of 49 semester hours. The core curriculum consists of 13 semester hours of required courses and 36 semester hours from department electives. Total Semester Hours required for Degree: 120 semester hours.

Geography Personnel

Bob Cataneo: Instructor; M.S. 2003, Eastern Illinois University. Weather and Climate, Regional Climatology.

Michael Cornebise: Interim Associate Dean & Professor; Ph.D. 2003, University of Tennessee – Knoxville. Latin American, European and U.S. Regional Geography, Cultural Geography, and Population.

Cameron Craig: Instructor; M.A. 2002, Indiana State University. Climatology and Broadcast Meteorology.

Jim Davis: Interim Chair & Associate Professor; Ph.D. 2001, Kansas State University. Rural Economic Development, Tourism, Sports Geography, Europe.

Barry Kronenfeld: Associate Professor; Ph.D. 2004, State University of New York at Buffalo. Geographic Information Systems/Science and Human Impacts on the Environment.

Christopher Laingen: Associate Professor; Ph.D. 2009, Kansas State University. Rural & Agricultural Geography

James Riley: Associate Professor; Ph.D. 2013, University of Illinois at Urbana-Champaign. Geomorphology, Field Methods, Natural Disasters, Surface Water.

Betty Smith: Professor; Ph.D. 1994, State University of New York at Buffalo. Latin America, Urban Geography, and Land Use Planning.

David Viertel: Associate Professor; Ph.D. 2008, Texas State University. Remote Sensing and Urban Environments.

Department of Geology and Geography

600 Lincoln Avenue, Eastern Illinois University, Charleston, IL 61920-3099

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Suggested four-year plan of study for the B.S. in Geography

FRESHMAN YEAR

Fall Semester (15-16 semester hours)

ENG 1001G*	(3 hrs)	Composition & Language
GEO 1100G*	(3 hrs)	Cultural Geography
General Education Elective	(4 hrs)	Scientific Awareness (BIO)
General Education Elective	(3-4 hrs)	Math
General Education Elective	(3 hrs)	Humanities and Fine Art

Spring Semester (16 semester hours)

ENG 1002G	(3 hrs)	Composition & Literature
SPC 1310G	(3 hrs)	Intro to Speech Communication
GEO 1120G*	(4 hrs)	The Natural Environment
GEO 1200G*^	(3 hrs)	World Regional Geography
General Education Elective	(3 hrs)	Humanities and Fine Art

Must earn 30 or more semester hours for Sophomore status.

* = General Education Course

^ = Option Elective

SOPHOMORE YEAR

Fall Semester (15 semester hours)

GEO 3800	(3 hrs)	Introduction to Cartography
General Education Elective	(3 hrs)	Humanities and Fine Art
General Education Elective	(3 hrs)	Social and Behavioral Sciences
Option Elective	(3 hrs)	
University/Minor Elective	(3 hrs)	

Spring Semester (15 semester hours)

Option Elective	(3 hrs)
Option Elective	(3 hrs)
Option Elective	(3 hrs)
Option Elective	(3 hrs)
University/Minor Elective	(3 hrs)

Must earn more 60 or more semester hours for Junior status.

JUNIOR YEAR

Fall Semester (15 semester hrs)

GEO 3885	(3 hrs)	Quantitative Methods in Geography
Option Elective	(3 hrs)	
Option Elective	(3 hrs)	
University/Minor Elective	(3 hrs)	
University/Minor Elective	(3 hrs)	

Spring Semester (15 semester hours)

Option Elective	(3 hrs)
Option Elective	(3 hrs)
Option Elective	(3 hrs)
University/Minor Elective	(3 hrs)
University/Minor Elective	(3 hrs)

Must earn 90 or more semester hours for Senior status.

SENIOR YEAR

Fall Semester (15 semester hours)

Senior Seminar	(3 hrs)
Option Elective	(3 hrs)
University/Minor Elective	(3 hrs)
University/Minor Elective	(3 hrs)
University/Minor Elective	(3 hrs)

Spring Semester (15 semester hours)

University/Minor Elective	(3 hrs)
University/Minor Elective	(3 hrs)
University/Minor Elective	(3 hrs)
University/Minor Elective	(3 hrs)
University/Minor Elective	(3 hrs)

Must earn at least 120 semester hours to graduate. This plan provides ample opportunity for students to take additional semester hours of electives to apply toward a Geography Program minor and/or other minors or courses of interest from across campus.

See advisor and discuss all requirements based on your individual coursework situation; this plan is designed those entering the major as an incoming Freshman. Suggested four-year plan of study assumes that the Foreign Language requirements have been met.

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GEOGRAPHY MAJOR

Required Core Courses (13 Hours)

___ GEO 1100G	Cultural Geography (3 hrs)	___ GEO 3800	Introductory Cartography (3 hrs)
___ GEO 1120G	The Natural Environment (4 hrs)	___ GEO 3885	Quantitative Methods in Geography (3 hrs)

Human Geography Option (B.S.)

Human/Regional Electives (18 hours)

___ GEO 1200G	World Regional Geography (3 hrs)
___ GEO 3000	Geography of Illinois (3 hrs)
___ GEO 3025	Geography of the United States and Canada (3 hrs)
___ GEO 3050	Geography and Culture of Africa (3 hrs)
___ GEO 3055	Geography and Culture of Asia (3 hrs)
___ GEO 3060	Geography and Culture of Europe (3 hrs)
___ GEO 3070	Mexico and Central America (3 hrs)
___ GEO 3080	Geography and Culture of South America (3 hrs)
___ GEO 3100	Global Threats & Problems (3 hrs)
___ GEO 3200	Human Impacts on the Environment (3 hrs)
___ GEO 3600	Economic Geography (3 hrs)
___ GEO 3620	Geography of Tourism (3 hrs)
___ GEO 3640	Geography of Sports (3 hrs)
___ GEO 3650	Advanced Cultural Geography (3 hrs)
___ GEO 3700	Historical Geography of the United States (3 hrs)
___ GEO 3750	Population Geography (3 hrs)
___ GEO 3775	Urban Geography (3 hrs)
___ GEO 40001	Human Geography Seminar (1-3 hrs)
___ GEO 44101/2/3	Independent Study (1-3 hrs)

OR

___ GEO 44401/2/3	Undergraduate Research in Geography (1-3 hrs)
___ STA 3970	Study Abroad – Faculty Led

Environmental/Physical Electives (9 hours)

___ GEO 1400G	Weather and Climate (4 hrs)
___ GEO 2450G	Oceanography (3 hrs)
___ GEO 3020	Natural Disasters (3 hrs)
___ GEO 3115	Introduction to Paleoclimate (4 hrs)
___ GEO 3300	Soils (3 hrs)
___ GEO 3310	Introduction to Biogeography (3 hrs)
___ GEO 3320	Natural Resource Management (3 hrs)
___ GEO 3330	Food and Agricultural (3 hrs)
___ GEO 3340	Land Change Science (3 hrs)
___ GEO 3400	Broadcast Meteorology Practicum (3 hrs)
___ GEO 3410	Climatology (3 hrs)
___ GEO 3415	The Restless Atmosphere (3 hrs)
___ GEO 3420	Geomorphology (3 hrs)
___ GEO/HIS 3500	Climate, Environment, and History (3 hrs)
___ GEO 3550	Surface Water Processes and Resources (3 hrs)
___ GEO 40002	Env/Physical Geography Seminar (1-3 hrs)
___ GEO 4850	Environmental Geology (3 hrs)

Techniques Electives (9 hours)

___ GEO 3780	Land Use Planning (3 hrs)
___ GEO 3810	Introduction to GIS (3 hrs)
___ GEO 3820	Remote Sensing I (3 hrs)
___ GEO 3830	GIS: Building Geodatabases (3 hrs)
___ GEO 3850	GPS: Mapping the Modern Way (3 hrs)
___ GEO 3860	Geographic Information Systems II (3 hrs)
___ GEO 3865	Advanced Cartography (3 hrs)
___ GEO 3870	Remote Sensing II (3 hrs)
___ GEO 3875	Field Methods (3 hrs)
___ GEO 40003	Techniques Seminar (1-3 hrs)
___ GEO 42851/2/3	Internship in Geography (1-3 hrs)
___ GEO 4910	GIS Programming (3 hrs)

Environmental/Physical Geography Option (B.S.)

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___ GEO 3000	Geography of Illinois (3 hrs)
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___ GEO 3050	Geography and Culture of Africa (3 hrs)
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___ GEO 44401/2/3	Undergraduate Research in Geography (1-3 hrs)
___ GEO 4850	Environmental Geology (3 hrs)

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___ GEO 3850	GPS: Mapping the Modern Way (3 hrs)
___ GEO 3860	Geographic Information Systems II (3 hrs)
___ GEO 3865	Advanced Cartography (3 hrs)
___ GEO 3870	Remote Sensing II (3 hrs)
___ GEO 3875	Field Methods (3 hrs)
___ GEO 40003	Techniques Seminar (1-3 hrs)
___ GEO 42851/2/3	Internship in Geography (1-3 hrs)
___ GEO 4910	GIS Programming (3 hrs)

GEOGRAPHY MINORS

Minor in Earth Science (20 hours)

- ___ GEO 1300G Earth Sciences (4 hrs)
 OR
 ___ GEO 1120G The Natural Environment (4 hrs)
 ___ GEO 1400G Weather and Climate (4 hrs)
 ___ GEO 3420 Principles of Geomorphology (3 hrs)
 ___ GEO 2450G Oceanography (3 hrs)
 ___ GEO 3410 Climatology (3 hrs)
 ___ Any GEO 3000/4000 level course (3 hrs)*
 * Hours must be from Geology or Earth Science

Minor in Geography (22 hours)

- ___ GEO 1100G Cultural Geography (3 hrs)
 ___ GEO 1120G The Natural Environment (4 hrs)
 ___ GEO 3800 Introduction to Cartography (3 hrs)
 ___ GEO courses, at least 6 hrs must be 3000/4000 level (12 hrs)*
 * Hours must be from Geography

Minor in Geographic Information Sciences (21 hours)

This minor provides students with an integrated program of study that allows them to acquire the fundamentals of current mapping methodologies. With diverse needs for precise, timely acquisition of spatial data, its analysis and cartographic presentation, the curriculum allows students to complement their majors by using current, standard mapping equipment, software and hardware.

Six hours in:

- ___ GEO 3810 Introduction to GIS (3 hrs)
 ___ GEO 3820 Remote Sensing I (3 hrs)

Nine hours from:

- ___ BIO 4820 Spatial Analysis for Env. Sciences* (4 hrs)
 ___ GEO 3800 Introduction to Cartography** (3 hrs)
 ___ GEO 3830 GIS: Building Geodatabases (3 hrs)
 ___ GEO 3850 GPS: Mapping the Modern Way (3 hrs)
 ___ GEO 3860 Geographic Information Systems II (3 hrs)
 ___ GEO 3865 Advanced Cartography (3 hrs)
 ___ GEO 3870 Remote Sensing II (3 hrs)
 ___ GEO 40003 Techniques Seminar (1 - 3 hrs)
 ___ GEO 4910 GIS Programming (3 hrs)

Six additional hours from some combination of:

- ___ BIO 3451A Undergraduate Research* (1-3 hrs)
 ___ BIO 4840 Resource Mgmt & Env. Analysis* (3 hrs)
 ___ BIO 5380 Landscape Ecology* (3 hrs)
 ___ GEO 3780 Land Use Planning*** (3 hrs)
 ___ GEO 3875 Field Methods*** (3 hrs)
 ___ GEO 42851/2/3 Internship in Geography***(1-6 hrs)
 ___ GEO 3430 Structural Geology (3 hrs)
 ___ GEO 3440 Tectonics (3 hrs)
 ___ GEO 3470 Seminar ****(1-3 hrs)
 ___ MAT 1271 College Algebra or higher (3 hrs)
 ___ MAT 1330 Analytical Trigonometry or higher (3 hrs)
 ___ PLS 2703 Introduction to Public Policy (3 hrs)
 ___ PLS 4793 Public Organization Theory (3 hrs)
 ___ PLS 4893 Government Budgeting and Politics (3 hrs)
 ___ SOC 3622 Population (3 hrs)
 ___ SOC 3660 Social Organization (3 hrs)
 ___ SOC 4240 Sociology of Disasters (3 hrs)

Footnotes to GISci Minor:

- *Biology majors must take 2 BIO courses
 **Geography majors may not take GEO 3800 as part of minor
 ***Will count only if not taken as part of BS in Geography
 ****Must be Planetary Geology Seminar

Minor in Broadcast Meteorology (25 hours)

Local, regional, and national weather conditions are the most significant environmental factors affecting our activities. Current short and long-range weather information is an integral part of modern electronic media. This interdisciplinary minor prepares students to effectively communicate complex weather information to multiple audiences utilizing the electronic media.

19 Hours of Required Coursework

- ___ CMN 2525 Studio Production (3 hrs)
 ___ CMN 2550 Broadcast Announcing (3 hrs)
 OR
 ___ CMN 2030 Applied Communication (3 hrs)
 ___ CMN 2575 Field Production (3 hrs)
 ___ GEO 1400G Weather and Climate (4 hrs)
 ___ GEO 3400 Broadcast Meteorology Practicum (3 hrs)
 ___ GEO 3410 Climatology (3 hrs)

CMN Electives – Select 3 hours from the following:

- ___ CMN 3540 Videography (3 hrs)
 ___ CMN/JOU 3610 Broadcast News (3 hrs)
 ___ CMN 3750 Computer Mediated Communication 1 (3 hrs)
 ___ CMN 42751 Internship 1 (1-12 hrs) (*See footnote 1*)
 ___ CMN 4500A Topics in Electronic Media Production 1 (3 hrs)
 OR
 ___ CMN 4500B Topics in Electronic Media Production II (3 hrs)
 OR
 ___ CMN 4500D Topics in Electronic Media Production III (3 hrs)
 OR
 ___ CMN 4500E Topics in Electronic Media Production IV (3 hrs)
 ___ CMN 4540 Advanced Video Production (3 hrs)

ESC Electives – Select 3 hours from the following:

- ___ GEO 2450G Oceanography (3 hrs)
 ___ GEO 3010G Environmental Physical Sciences (3 hrs)
 ___ GEO 3415 The Restless Atmosphere (3 hrs)
 ___ GEO 3550 Surface Water Processes and Resources (3 hrs)
 ___ GEO/HIS 3500 Climate, Environment & History (3 hrs)
 ___ GEO 39601/2/3 Special Topics (1 to 4 hrs) (*See footnote 2*)
 ___ GEO 44001/2/3 Independent Study (1 to 3 hrs) (*See footnote 2*)

Footnotes to Broadcast Meteorology Minor:

1. No more than 3 semester hours of CMN 4275* may apply to the minor.
2. No more than 3 semester hours in a combination of GEO 3960* and GEO 4400* may apply to the minor.