

MINORS AND CONCENTRATIONS IN THE DEPARTMENT OF GEOGRAPHY & ENVIRONMENT

MINOR IN GEOGRAPHY

The Minor in Geography requires students to take two of the following introductory courses (6-7 s.h.):

GEOG06.110	Investigations in Physical Geography (Lab) 4 s.h.
GEOG06.100	Introduction to Geography and Earth Studies (M/G)
GEOG06.102	Cultural Geography (M/G)
GEOG06.111	World Regional Geography (M/G)
GEOG06.193	Intro to the Mapping and Geographic Information Sciences

Students then select four (4) additional geography courses selected in consultation with the minor advisor.

CONCENTRATION IN APPLIED GEOGRAPHIC KNOWLEDGE AND SKILLS (GeoEducation) **18 s.h.**

(replaces previous coordinate education dual major track)

Take the following courses (9 s.h.):

GEOG06.380	Foundations in Geographic Knowledge - 3 s.h.
GEOG06.323	Geography of New Jersey - 3 s.h.
GEOG06.304	Population Geography - 3 s.h.

Take at least one (1) course in the *Regional Geography* course bank.

Take any two other geography courses in consultation with the Geoed advisor.

For dual majors on track for teacher certification, the Applied Geographic Knowledge and Skills concentration will layer on top of the base geography BA program requirements which include introductory geography, methods and a senior seminar capstone course.

CONCENTRATION IN GEOSCIENCE **20 s.h.**

Students must take one of the following introductory courses (3 s.h.):

GEOG06.100	Introduction to Geography and Earth Studies (M/G)
GEOG06.102	Cultural Geography (M/G)
GEOG06.111	World Regional Geography (M/G)

Must take the following two lab courses (8 s.h.)

GEOG06.103	Geology I
GEOG.06.110	Investigations of Physical Geography 4 s.h.

Then select three (3) courses from the *Geosciences Course bank* in consultation with an the Geoscience advisor

CONCENTRATION IN GEOGRAPHIC INQUIRES INTO GLOBAL ISSUES **18 s.h.**

Must take:

GEOG06.111	World Regional Geography
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Select any two courses from the *Geographic Studies Bank* (note: courses selected cannot double count for fulfilling geography core requirements)

Select any two courses from the *Regional Bank*

Select any one other Geography course in consultation with the Concentration advisor

(A study abroad experience, field course, or internship related to global issues is strongly recommended and can be used to fulfill the above requirements with prior approval, but is not required at this time.

Foreign Language courses are also highly recommended for this concentration.)

MINOR IN GISci**18 s.h.**

The Minor in Geographic Information Science requires students to take one of the following introductory courses (3 s.h.):

GEOG06.100	Introduction to Geography and Earth Studies (M/G)
GEOG06.102	Cultural Geography (M/G)
GEOG06.111	World Regional Geography (M/G)

Must take each of the following 6 s.h.:

GEOG06.193	Intro to the Mapping and Geographic Information Sciences
GEOG 06.360	GIS I

Students then select three (3) additional courses from the *Geospatial Techniques* (GIS) bank selected in consultation with the GISci minor advisor.

MINOR IN PLANNING**18 s.h.**

The Minor in Planning requires students to take one of the following introductory courses (3 s.h.):

GEOG06.100	Introduction to Geography and Earth Studies (M/G)
GEOG06.102	Cultural Geography (M/G)
GEOG06.111	World Regional Geography (M/G)

Must take the following course:

GEOG.06.200	Introduction to Planning & Environmental Design
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Students then select any four (4) other courses from the Planning Bank in consultation with an advisor.

MINOR IN ENVIRONMENTAL STUDIES**26 s.h.**

Fundamental core 6 s.h.

ENST94.101	Environmental Studies - Physical Perspectives (3 SH)
ENST94.102	Environmental Studies - Social Perspectives (3 SH)

Scientific Foundations 8SH

CHEM05.102	Chemistry of Everyday Life (4 SH)
BIOL01.112	General Biology Environmental Focus (4 SH)

Social Science Foundations 6SH

GEOG06.193	Introduction to the Mapping and Geographic Information Science (3 SH)
SOC08.120	Intro to Sociology OR SOC08.221 Social Problems (3 SH)

Select two of the following three courses.

ENST94.301	Environmental Ethics (3 SH)
SOC08.400	Environment Policy and Society (3 SH)
GEOG06.360	Geographic Information Systems (GIS) I (3 SH)

CONCENTRATION IN ENVIRONMENTAL SCIENCE**18 s.h.**

Required:

BIOL01.106	Biology 2: Concepts in Genetics
BIOL01.203	Biology 3: Introduction to Cell Biology
BIOL01.204	Biology 4: Global Ecology
CHEM06.101	Chemistry II
GEOG06.103	Geology I

Choose one additional course in consultation with the Environmental Studies Coordinator

Geography & Environment Courses Organized by Banks of Specialization

<p>Geographic Studies Bank</p> <p>GEOG 06100: Earth, People & Environment GEOG 06102: Cultural Geography GEOG 06111: World Regional Geography GEOG 06380: Foundations in Geographic Knowledge GEOG 06390: History and Methods of Modern Geography GEOG 06201: Geography of the US and Canada 3 s.h. GEOG 06312: Cultural Landscapes GEOG 06301: Economic Geography GEOG 06302: Urban Geography GEOG 06303: Political Geography GEOG 06304: Population Geography 3 s.h. GEOG 06250: Selected Topics in Geography & Environment GEOG 06493: Senior Research Seminar in Geography GEOG 06316: Geography Research Clinic/Studio</p>	<p>Planning Bank</p> <p>GEOG 06200: Introduction to Planning & Environmental Design GEOG 06302: Urban Geography GEOG 06308: Remote Sensing/Air Photo Interpretation GEOG 06313: Geography of Transportation GEOG 06304: Population Geography 3 s.h. GEOG 06310: Land Use and Resource Development GEOG 06315: Field Studies in Geography GEOG 06317: Community Planning and Site Design GEOG 06319: Geovisualization GEOG 06327: New Jersey Applied Planning Practice GEOG 06328: Environmental/Sustainable Planning GEOG 06355: Metropolitan/Regional Planning GEOG 06370: Water Resources Planning GEOG 06316: Geography Research Clinic/Studio or Internship</p>
<p>Regional Geography Bank</p> <p>GEOG 06111: World Regional Geography GEOG 06201: Geography of the US and Canada 3 s.h. GEOG 06323: Geography of New Jersey GEOG 06342: Geography of Europe GEOG 06343: Geography of Asia GEOG 06344: Geography of Latin America GEOG 06345: Geography of Africa GEOG 06346: Geography of the C.I.S. (former Soviet Union) GEOG 06347: Geography of the Middle East</p>	<p>Geospatial Techniques (GIS) Bank</p> <p>GEOG 06308: Remote Sensing/Air Photo Interpretation GEOG 06318: Geospatial Modeling GEOG 06319: Geovisualization GEOG 06320: Cartography GEOG 06322: Remote Sensing of the Environment GEOG 06350: Quantitative Methods in Geography GEOG 06360: Geographic Information Systems I GEOG 06415: Geographic Information Systems II GEOG 06316: Geography Research Clinic/Studio or Internship</p>
<p>Geosciences Bank</p> <p>GEOG 06100: Earth, People & Environment GEOG 06103: Geology I 4 s.h. GEOG 06110: Investigations in Physical Geography 4 s.h. GEOG 06305: Climatology GEOG06308: Remote Sensing GEOG 06315: Field Studies in Geography GEOG 06325: Geomorphology GEOG 06326: The Geoscience of Natural Disasters GEOG 06450: Geology of the National Parks GEOG 06316: Geography Research Clinic/Studio or Internship ASTR 17110: Principles of Earth Science</p>	<p>Environmental Studies Bank</p> <p>ENST94.101: Env Studies - Physical Perspectives ENST94.102: Env Studies - Social Perspectives ENST94.301: Environmental Ethics ENST94.121: Field Methods & Research Design ENST94.400: Environmental Impact Assessment ENST94.401: Senior Seminar in Env Studies I ENST94.402: Senior Seminar in Env Studies II</p>