BS CONCENTRATION IN
ENVIRONMENTAL STUDIES

A Bachelor of Science with a major in Geography and a concentration in Environmental Studies focuses on the complex interactions between the environment and society. With this concentration, students will develop skills to address both the natural and social aspects of environmental issues.

MAJOR REQUIREMENTS
A minimum grade of C is required in all major courses to graduate with a major in this department.

Required Courses, 12 credit hours
GEOG 2110 Foundations of Geographic Research
GEOG 2170 Culture, Environment and Society
GEOG 2180 Geosystems, Environment and Society
GEOG 4800 Geography Capstone

Environmental Studies concentration, 24 credit hours

Earth Science
Choose five courses, at least one in each area
Geomorphology
GEOG 4350 Geomorphology
GEOG 3010 Environmental Geology
GEOG 3020 Historical Geology
GEOG 3030 Earthquakes and Volcanoes

Climatology
GEOG 3800 Weather and Climate

Hydrology
GEOG 4750 Surface Water Hydrology
GEOG 4850 Introduction to Groundwater Hydrology

Biogeography
GEOG 3420 Applied Biogeography
GEOG 4710 Ecosystems: Structure, Function and Services

Techniques
Choose two courses
GEOG 3500 Introduction to Geographic Information Systems
GEOG 4170 Field Methods and Mapping
GEOG 4185 Statistical Research Methods in Geography
GEOG 4525 Using Lidar Data in GIS
GEOG 4530 Digital Image Analysis
GEOG 4550 Advanced Geographic Information Systems
GEOG 4570 Special Topics in GIS

Human Geography
Choose three courses; one course from the Subfields group, two courses from any of the three groups

Subfields
GEOG 3010 Economic Geography
GEOG 3600 Political Geography
GEOG 3120 Medical Geography (formerly 4120)
GEOG 4210 Urban Geography

Regional
GEOG 3100 United States and Canada: Economies, Cities and Sustainability
GEOG 3750 Geography of Contemporary Sub-Saharan Africa
GEOG 3770 Latin America: Geography and Globalization

Global Issues
GEOG 3200 Sustainability
GEOG 4115 Our Energy Futures
GEOG 4245 Geography of International Development
GEOG 4420 Capitalism, Nature and Climate Change

OTHER COURSE REQUIREMENTS

Required Math and Science Courses
MATH 1680 Elementary Probability and Statistics (or equivalent)

Additional Science Course
Choose one course
BIOL 1132 Environmental Science
BIOL 2140 Principles of Ecology
BIOL 2241 Biology of Higher Plants
BIOL 2251 Biodiversity and Conservation of Animals

Environmental Electives
Choose one course
ANTH 4400 – Environmental Anthropology
BIOL 3160 – Conservation Biology
BIOL 4100 – Introduction to Environmental Impact Assessment
BIOL 4440 – Stream Ecology
ECON 4440 – Economics of Natural Resources and Environment

GEOG 1710 Earth Science
CHEM 1360 Context of Chemistry
CHEM 1410 General Chemistry for Science Majors (or equivalent)
PHYS 1315 Introduction to the World of Physics
PHYS 1410 General Physics I (or equivalent)

ENGL 4650 – Literature and the Environment
HIST 4275 – American Environmental History
PHIL 2500 – Introduction to Contemporary Environmental Issues
PHIL 4700 – Environmental Ethics
PHIL 4740 – Environmental Justice

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