

CHECK SHEET
GEOGRAPHY MAJOR: ENVIRONMENTAL GEOGRAPHY (B.S.)
Major Code BS4232

This program provides concentrated study of the earth's physical systems and human interactions with the environment. Environmental geography prepares students for careers in environmental planning, design, and restoration, as well as in environmental assessment and monitoring, resource management, natural areas preservation, and outdoor and environmental education. Students completing the program will develop competencies in a broad array of subjects spanning the natural and social sciences, as well as complementary analytical techniques. If you declare the Environmental Geography major, contact the Department as soon as possible so that you may be assigned an advisor. Please refer to the College of Arts & Sciences College Requirements for additional information.

57 HOURS of approved Geography Courses including:

- ___ GEOG 101: Physical Geography (5)
- ___ GEOG 121: Human Geography (4)
- ___ GEOG 201: Environmental Geography (4)
- ___ GEOG 241: Global Issues (4)
- ___ GEOG 268: Intro to GIS & Mapping Sciences (4)
- ___ GEOG 271: Intro to Stats. In Geog (4)

One regional course from the following: *All classes listed in this group are (4) credit hours*

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| ___ GEOG 131: Globalization & Developing World | ___ GEOG 331: Geography of Africa |
| ___ GEOG 132: Industrial World | ___ GEOG 333: Appalachia: Land & People |
| ___ GEOG 232: Geography of Ohio | ___ GEOG 334: Historical Geog. Of the U.S. |
| ___ GEOG 234: Geography of U.S. & Canada | ___ GEOG 335: Geography of Latin America |
| ___ GEOG 330: Geography Of Western Europe | ___ GEOG 338: Geography of Southeast Asia |

Two technique courses from the following:

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| ___ GEOG 360: Cartography I (5) | ___ GEOG 468: Cartography III (5) |
| ___ GEOG 361: Cartography II (5) | ___ GEOG 474: Application Development in GISc (4) |
| ___ GEOG 365: Air Photo Interpretation (4) | ___ GEOG 475: GIS Modeling and Simulation (4) |
| ___ GEOG 418: Biogeography Research (4) | ___ GEOG 476: Field Methods (4) |
| ___ GEOG 466: Remote Sensing (5) | ___ GEOG 478: Principles of GIS (5) |
| ___ GEOG 467: Remote Sensing Application (5) | ___ GEOG 479: Geographic Information Analysis (5) |

Hours over 300 must include four courses from this list:

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| ___ GEOG 302: Meteorology (5) | ___ GEOG 350: Land Use Planning (4) |
| ___ GEOG 303: Climatology (5) | ___ GEOG 353: Environmental Planning (4) |
| ___ GEOG 315: Landforms and Landscapes (5) | ___ GEOG 357: Environmental Law (4) |
| ___ GEOG 316: Biogeography (4) | ___ GEOG 358: Environmental Risk Assessment (4) |
| ___ GEOG 321: Population Geography (4) | ___ GEOG 411: Advanced Physical Geography (4) |
| ___ GEOG 329: World Economic Geography (4) | ___ GEOG 417: Landscape Ecology (4) |
| ___ GEOG 341: Geography of Hunger & Food Security (4) | ___ GEOG 440: Environmental Impact Analysis (4) |
| ___ GEOG 344: Agricultural Ecosystems (4) | ___ GEOG 447: Natural Resource Conservation (4) |
| ___ GEOG 348: Gender, Environment, & Development (4) | ___ GEOG 456: City and the Environment (4) |

GENERAL REQUIREMENTS

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| ___ CHEM 121, 122, 123: Prin. Of Chemistry (12) | OR | ___ CHEM 151, 152, 153: Fund of Chemistry (15) |
| ___ MATH 163A, B: Introduction To Calculus (7) | OR | ___ MATH 263A, B: Calculus (*) OR 266A, B
Calculus w/Bio. Applications |
| ___ (<i>recommended</i>) PHYS 201, 202, 203: Introduction to Physics (15) | | |

OTHER REQUIREMENTS

Choose at least *three* courses (portions of the Arts & Sciences natural sciences requirement) from **either** the Biological Sciences or Earth Sciences group below:

BIOLOGICAL SCIENCES *Or* EARTH SCIENCES

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| <input type="checkbox"/> PBIO 109: Americans and their Forests (4) | <input type="checkbox"/> GEOL 101: Intro. To Geology (5) |
| <input type="checkbox"/> PBIO 114: Cellular Foundations of Plant Biology* (5) | <input type="checkbox"/> GEOL 211: Intro. To Oceanography (4) |
| <input type="checkbox"/> PBIO 115: Plant Structure and Development (4) | <input type="checkbox"/> GEOL 215: Environmental Geology (4) |
| <input type="checkbox"/> PBIO 209: Plant Ecology (4) | <input type="checkbox"/> GEOL 231: Water and Pollution (4) |
| <input type="checkbox"/> PBIO 210: Plant Physiology (4) | <input type="checkbox"/> GEOL 312: Earth Materials and Resources (5) |
| <input type="checkbox"/> PBIO 211: Diversity of Life (5) | <input type="checkbox"/> GEOL 330: Principles of Geomorphology (5) |
| <input type="checkbox"/> PBIO 248: Trees and Shrubs (4) | <input type="checkbox"/> GEOL 427: Water Geochemistry (4) |
| <input type="checkbox"/> PBIO 309: Plant Systematics and Ohio Flora (6) | <input type="checkbox"/> GEOL 432: Origin & Classification of Soils (4) |
| <input type="checkbox"/> PBIO 410: Plants and Soil (4) | <input type="checkbox"/> GEOL 439: Fluvial Geomorphology |
| <input type="checkbox"/> PBIO 426: Physiol. Plant Ecology (5) | <input type="checkbox"/> GEOL 471: Advanced Env. Geology (4) |
| <input type="checkbox"/> PBIO 435: Plant Population Biology (5) | <input type="checkbox"/> GEOL 480: Prin. Of Hydrogeology (4) |
| <input type="checkbox"/> PBIO 436: Plant Community Ecology (5) | <input type="checkbox"/> GEOL 481: Groundwater Flow Modeling (4) |
| <input type="checkbox"/> PBIO 437: Ecosystems Ecology (4) | <input type="checkbox"/> GEOL 483: Field Hydrology (6) |
| <input type="checkbox"/> BIOS 170: Intro. to Zoology* (5) | |
| <input type="checkbox"/> BIOS 171: Intro. to Zoology (5) | |
| <input type="checkbox"/> BIOS 172: Intro. to Zoology (3) | |
| <input type="checkbox"/> BIOS 173: Intr. to Zoology (1) | |
| <input type="checkbox"/> BIOS 220: Conservation and Biodiversity* (4) | |
| <input type="checkbox"/> BIOS 221: Microbes and Humans (3) | |
| <input type="checkbox"/> BIOS 222: Microbes and Humans Lab (2) | |
| <input type="checkbox"/> BIOS 275: Ecology in the 21 st Century* (4) | |
| <input type="checkbox"/> BIOS 375: Animal Ecology* (4) | |
| <input type="checkbox"/> BIOS 429: Marine Biology (5) | |
| <input type="checkbox"/> BIOS 431: Limnology (5) | |
| <input type="checkbox"/> BIOS 477: Population Ecology (4) | |
| <input type="checkbox"/> BIOS 478: Community Ecology (4) | |
| <input type="checkbox"/> BIOS 481: Animal Conservation Biology* (4) | |

*Credit is not awarded for both PBIO 114 and BIOS 170.

Credit is not awarded for both BIO 220 and BIO 481, or for both BIOS 275 and 375

AND SOCIAL SCIENCES (portion of Arts & Sciences social sciences area requirement)

Required Courses:

- ECON 103: Prin. of Microeconomics

Select two additional courses from the following list:

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| <input type="checkbox"/> ANTH 378: Human Ecology | <input type="checkbox"/> HIST 333: Oil and World Power |
| <input type="checkbox"/> ECON 313: Econ. Of the Environment | <input type="checkbox"/> POLS 425: Environ. & Natural Resource Politics & Policy |
| <input type="checkbox"/> ECON 314: Natural Resources Econ. | <input type="checkbox"/> POLS 426: Pol. Of the Environmental Movement |
| <input type="checkbox"/> HIST 306: American Environmental History | <input type="checkbox"/> POLS 488: Public Dispute Resolution |