

ENVIRONMENTAL GEOSCIENCES, MINOR

The minor in Environmental Geosciences emphasizes:

- Scientific understanding of the natural laws that govern the functioning of the Earth as a system;
- Human connections to the physical and natural world;
- Environmental ethics, values and behavior and how they are expressed in individuals, communities, societies, and institutional structures
- Technological and economic applications of environmental geosciences; and
- Practical applications of environmental geosciences to the real world, and to the student's major and career plans

Program Requirements

The minor in Environmental Geosciences requires a minimum of 18 credit hours.

Code	Title	Hours
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Required Courses

Core Courses

GEO 353	Geographic Information Systems	3
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Choose from a minimum of three hours from five of the six following content areas:

Human Connections to the Physical and Natural World:

Choose from one of the following:

GEO 110 Environmental Geography (Element 4) ^G

GLY 303 Environmental Geoscience

BIO 500 Environmental Issues

ANT 370 Primate Conservation

EHS 425 One Health: Planning to Practical Application

SOC 383 Environment and Society

Environmental Behaviors, Values, and Ethics:

Choose from one of the following:

GEO 302W

ENG 208W (Element 3B) ^G

REC 290 Adventure Programming

AGR 345 Sustainable Agroecosystems

PHI 385 Environmental Ethics

Natural Systems Function:

Choose a minimum of three hours of the following:

GEO 315 Meteorology

GLY 315 Hydrology

GLY 415 Sedimentary Geology

WLD 317 Conservation of Wildlife Resources

BIO 590 Ecology for Teachers

BIO 112 Ecology and Evolution (Element 4) ^G

Technological and Economic Applications:

Choose from one of the following:

AGR 319 Renewable and Sustainable Energy Systems

ECO 340 Environmental Economics

or APP 340 Environmental Economics

AGR 340 Conservation of Agricultural Resources

GEO 325 Environment Land Use Planning

or GEO 325S Environmental Land Use Planning

GEO 430

or APP 430 Sustainability in Appalachia

GLY 535 Hydrogeology

Applied Studies:

Choose from one of the following:

GEO 349

GEO 349 (A-N)

GEO 435

GLY 408 Process Geomorphology

EMS 561 Environmental Education Essentials

EMS 564S Service Learning as Pedagogy

Geospatial Techniques:

Choose from one of the following:

GEO 453 Advanced GIS

GEO 455 GIS Cartography

GEO 456 Remote Sensing

Total Hours

18-19

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Course satisfies a General Education element.