# 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 |
|---|---|---|
| **Required Courses** | | |
| *Core Courses* | | |
| GEO 353 | Geographic Information Systems | 3 |
| Choose from a minimum of three hours from five of the six following content areas: | | 15-16 |
| 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 302 | Global Environmental Problems | |
| ENG 208 | (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 | Enviornmental 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** |

G Course satisfies a General Education element.