### University Core Curriculum for Environmental Science

**Communication Component Area (6 hours)**

- ENG 131 OR ENG 133H AND select ONE from: COM 111, 170, 215
- 3 hours

**Component Area Option (6 hours)**

- ENG 132 AND BCM 247 OR ENG 273
- 6 hours

**Mathematics Component Area (3 hours)**

- MTH 138 OR MTH 233
- 3 hours

**Life and Physical Sciences (6 hours)**

- CHE 133* AND CHE 134*
- 6 hours

**Language, Philosophy, and Culture (3 hours)**

- Select ONE from: ART 280, 281, 282, DAN 140, MHL 245, MUS 140, THR 161, 163
- 3 hours

**Creative Arts (3 hours)**

- Select ONE from: ART 280, 281, 282, DAN 140, MHL 245, MUS 140, THR 161, 163
- 3 hours

**American History (6 hours)**

- HIS 133 AND HIS 134
- 6 hours

**Government/Political Science (6 hours)**

- PSC 141 AND 142
- 6 hours

**Social and Behavioral Sciences (3 hours)**

- ECO 232
- 3 hours

**Total**

- 42 hours

### Common Core of the Environmental Science Major***

- BIO 131 Botany
- 4 hours
- BIO 133 Zoology
- 4 hours
- BIO 313 General Ecology OR ENV 209 Forest Ecology
- 3 hours
- BLW 478 Environmental Regulatory Law
- 3 hours
- CHE 133L* must be taken concurrently with CHE 133
- 1 hour
- CHE 134L* must be taken concurrently with CHE 134
- 1 hour
- CHE 330 Fundamentals of Organic Chemistry
- 3 hours
- ENV 110 Introduction to Environmental Science
- 3 hours
- ENV 210 Environmental Measurements
- 3 hours
- ENV 310 Environmental Health and Safety
- 3 hours
- ENV 349 Environmental Soil Science
- 3 hours
- ENV 402 Wetland Delineation and Function
- 3 hours
- ENV 403 Remediation and Reclamation of Disturbed Land
- 3 hours
- ENV 412 Environmental Hydrology
- 3 hours
- ENV 415 Environmental Assessment and Management
- 3 hours
- ENV 420 Landscape Ecology and Planning
- 3 hours
- ENV 450 Air Quality Assessment
- 3 hours
- ENV 457 Environmental Attitudes and Issues OR ENV 348 Natural Resource Policy
- 3 hours
- GIS 224 Introduction to Spatial Science
- 3 hours
- GIS 390 GIS in Natural Resources
- 3 hours
- MTH 220 Introduction to Probability and Statistics
- 3 hours

**Total**

- 64 hours

### Emphasis Tracks

#### Land, Air, and Water Resources Track

Select 12 semester hours from these directed electives. At least 8 semester hours must be 300 or 400 level courses.

- CHE 231 Quantitative Analysis
- BIO 437 Herpetology
- CHE 241 Inorganic Chemistry
- BIO 450 Limnology
- CHE 443 Instrumental Analysis
- FOR 219 Dendrology
- BIO 225 Local Flora
- GOL 131 Introductory Geology
- BIO 300 Contemporary Biology
- GOL 132 The Earth Through Time
- BIO 304 Marine Biology
- GOL 303 Oceanography
- BIO 309 Microbiology
- GOL 330 Geomorphology
- BIO 312 Mycology
- GOL 350 Environmental Geology
- BIO 343 General Entomology
- GOL 420 Geochemistry
- BIO 350 Economic Botany
- GOL 449 Ground Water
- BIO 351 Plant Kingdom
- GOL 450 Cave and Karst Systems
- BIO 353 Economic Entomology
- PHY 101 General Physics I
- BIO 415 Princ. of Electron Microscopy
- PHY 102 General Physics II
- BIO 424 Plant Pathology
- Approved Electives
- 6 hours

**Total**

- 18 hours

### Discipline Specialization Track**

**Requires a minor in a complimentary discipline area. Recommended areas include Biology, Chemistry, Forestry, Spatial Science, Geography, Geology, Business, and Communications.

- Approved Electives
- 18 hours

**Degree Total**

- 124 hours

### Contact:

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***A Minimum grade of "C" is required in English 131 and English 132, and in each course in the Common Core of the Environmental Science Major.**