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## Environmental Science, B.S., Digital Geography Concentration



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<b>Degree Awarded:</b>	Bachelor of Science
<b>Total Credit Hours:</b>	120
<b>Career Opportunities:</b>	GIS and remote sensing, GIS mapping, natural resource planning, geospatial specialist, photogrammetry.

### General Education Core Curriculum

Core Curriculum

### Freshman Year

#### Required Courses

- UNIV 100 – First Year Seminar **3 Credit(s)**
  - BIOL 110 – Fundamentals of Biology I **3 Credit(s)**
  - BIOL 111 – Fundamentals of Biology II **3 Credit(s)**
  - BIOL 112 – Fundamentals of Biology I Lab **1 Credit(s)**
  - BIOL 113 – Fundamentals of Biology II Lab **1 Credit(s)**
  - CHEM 107 – General Chemistry I **3 Credit(s)**
  - CHEM 115 – General Chemistry Laboratory **2 Credit(s)**
  - ENGL 101 – Introduction to Academic Writing **3 Credit(s)**
  - ENGL 102 – Writing and Research About Culture **3 Credit(s)**
  - ENVS 100 – Environmental Science **3 Credit(s)**
  - ENVS 150 – Plant Science **3 Credit(s)**
  - ENVS 151 – Plant Science Laboratory **1 Credit(s)**
  - MATH 143 – Pre-Calculus Algebra and Trigonometry **3 Credit(s)**
- \* Eligibility for MATH 143 based on ACT score. Students who are not eligible need to take both MATH 109 and MATH 110 as substitution courses.

**Total: 32 Credits**

### Sophomore Year

#### Required Courses

- CHEM 108 – General Chemistry II **3 Credit(s)**
- CMCN 100 – Principles of Human Communication **3 Credit(s)**
- ECON 300 – Fundamentals of Economics **3 Credit(s)**
- ENVS 285 – Soil Science **4 Credit(s)**
- ENVS 310 – Environmental Field Techniques **3 Credit(s)**
- MATH 250 – Survey of Calculus **3 Credit(s)**
- PHYS 207 – Introduction to Physics I **3 Credit(s)**
- PHYS 215 – Physics Laboratory I **1 Credit(s)**

### Electives

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### History (3 credits)

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Choose from the General Education Core list of History courses.

### English Literature (3 credits)

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Choose from the General Education Core list of Literature courses.

### Fine Arts (3 credits)

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Choose from the General Education Core list of Fine Arts courses.

**Total: 32 Credits**

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## Junior Year

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### Required Courses

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- ENVS 390 – Soil and Water Conservation **3 Credit(s)**
- ENVS 455G – Geographic Information Science I **3 Credit(s)**
- ENVS 464G – Geographic Information Science II **3 Credit(s)**
- ENVS 484 – Watershed Science **3 Credit(s)**
- GEOL 460G – Site Assessment and Remediation **3 Credit(s)**
- PHYS 208 – Introduction to Physics II **3 Credit(s)**
- PHYS 216 – Physics Laboratory II **1 Credit(s)**

### Concentration Area (10 credits)

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- ENVS 357 – Wetland Soils **3 Credit(s)**
- ENVS 445G – Coastal Sciences **3 Credit(s)**
- ENVS 473G – Remote Sensing in GIS **3 Credit(s)**
- ENVS 487G – Advanced GIS Analysis and Applications **3 Credit(s)**
- ENVS 493G – Soil-Plant Relationships **3 Credit(s)**
- ENVS 494G – Capstone Seminar **1–3 Credit(s)**
- GEOL 450G – Landscape Evolution **3 Credit(s)**

**Total: 29 Credits**

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## Senior Year

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### Required Courses

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- GEOG 350 – Louisiana **3 Credit(s)**
- ENVS 472 – Internship **3 Credit(s)**
- ENVS 486G – Water Quality **4 Credit(s)**
- GEOL 355 – Environmental Geology **3 Credit(s)**
  
- STAT 214 – Elementary Statistics **3 Credit(s)**  
or
- STAT 427G – Statistical Methods for Researchers I **3 Credit(s)**

### Concentration Area (11 credits)

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- ENVS 357 – Wetland Soils **3 Credit(s)**
- ENVS 445G – Coastal Sciences **3 Credit(s)**
- ENVS 473G – Remote Sensing in GIS **3 Credit(s)**
- ENVS 487G – Advanced GIS Analysis and Applications **3 Credit(s)**
- ENVS 493G – Soil-Plant Relationships **3 Credit(s)**
- GEOL 450G – Landscape Evolution **3 Credit(s)**

**Total: 27 Credits**

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