

### Catalog Search

Entire Catalog

Search Catalog

Advanced Search

Catalog Home

About the University

Colleges & Curriculum Pages

Undergraduate & Graduate Degrees

Undergraduate Minors

General Education Courses

Course Descriptions

Undergraduate Studies

Graduate School

Policies

Programs & Services

Academic Administration

My Catalog

## Geology, B.S., (Petroleum or Environmental)



Return to: Undergraduate & Graduate Degrees

**Degree Awarded:** Bachelor of Science in Geology

**Total Credit Hours:** 121

**Career Opportunities:** Environmental Geology - Environmental protection agencies, Mining well service and drilling companies.  
Petroleum Geology - Petroleum industry including oil and gas exploration and production, universities, colleges.

### General Education Core Curriculum

Core Curriculum

### Freshman Year

#### Required Courses

- UNIV 100 - First Year Seminar **3 Credit(s)**
- CHEM 107 - General Chemistry I **3 Credit(s)**
- ENGL 101 - Introduction to Academic Writing **3 Credit(s)**
- ENGL 102 - Writing and Research About Culture **3 Credit(s)**
- GEOL 111 - Physical Geology **4 Credit(s)** (*Geology majors must pass Physical and Historical Geology with grades of C or better.*)
- GEOL 112 - Historical Geology **4 Credit(s)** (*Geology majors must pass Physical and Historical Geology with grades of C or better.*)
- MATH 270 - Calculus I **4 Credit(s)**<sup>1</sup>
- MATH 301 - Calculus II **4 Credit(s)**<sup>2</sup>

#### Note:

<sup>1</sup> Students who meet criteria set by the Department of Mathematics may register for MATH 270 upon entry. Those who do not meet these qualifications must take MATH 143. Students are advised to complete this course in the summer semester prior to the freshman year.

<sup>2</sup> With approval of the Department of Geology, TWO of the following may be substituted for MATH 301 :STAT 427G, STAT 428G, or ENVS 455G and ENVS 464G, provided that the student satisfies core curriculum requirements by taking six hours of mathematics. NOTE: most graduate programs and many professional careers require the second calculus course.

#### Electives

##### Fine Arts (3 Credits)

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

**Total: 31 Credits**

## Sophomore Year

---

### Required Courses

---

- CMCN 100 – Principles of Human Communication **3 Credit(s)**
- ENGL 304 – Vocabulary Development **3 Credit(s)**
- ENGL 365 – Technical Writing **3 Credit(s)**
- GEOL 291 – Elementary Mineralogy **4 Credit(s)**
- GEOL 292 – Elementary Petrology **4 Credit(s)**
- PHYS 207 – Introduction to Physics I **3 Credit(s)**

### Electives

---

#### Biology (4 Credits)

---

#### History (3 Credits)

---

Choose from the General Education Core list of History courses.

#### English Literature (3 Credits)

---

Choose from the General Education Core list of Literature courses.

**Total: 30 Credits**

---

## Junior Year

---

### Required Courses

---

- GEOL 314 – Structural Geology **4 Credit(s)**
- GEOL 330 – Field Methods **1 Credit(s)**
- GEOL 339 – Sedimentary Petrology **3 Credit(s)**
- GEOL 341 – Stratigraphy **3 Credit(s)**
- GEOL 435G – Analysis of Geologic Data **3 Credit(s)**
- PHYS 208 – Introduction to Physics II **3 Credit(s)**
- PHYS 215 – Physics Laboratory I **1 Credit(s)**
- PHYS 216 – Physics Laboratory II **1 Credit(s)**

### Electives

---

#### Concentration (6 Credits)

---

Concentrations: environmental geology, petroleum geology. A list of courses that satisfy concentration electives is available from the advisors.

**Total: 25 Credits**

---

## Senior Year

---

### Required Courses

---

- ECON 300 – Fundamentals of Economics **3 Credit(s)**
- GEOL 400 – Summer Field Camp **1–6 Credit(s)** (Summer Session)
- GEOL 420G – Geophysics I **4 Credit(s)**
- GEOL 337 – Computer Applications in Geology **3 Credit(s)**
- GEOL 499 – Geology Seminar **1 Credit(s)**

### Electives



---

### Concentration (9 Credits)

---

Concentrations: environmental geology, petroleum geology. A list of courses that satisfy concentration electives is available from the advisors.

### Geology (3 Credits)

---

Choose from 100-200 level Geology courses, 300-level Geology field trips, or GEOL 305.

### Social/Behavioral Sciences (3 Credits)

---

Choose from the General Education Core list of Social/Behavioral Science courses. Three hours must be at the 200-level or above.

### Elective (3 Credits)

---

---

**Total: 35 Credits**

---

[Return to: Undergraduate & Graduate Degrees](#)



University of Louisiana at Lafayette  
104 E. University Circle  
Lafayette, LA 70503  
(337) 482-1000  
[webmaster@louisiana.edu](mailto:webmaster@louisiana.edu)

[Contact Us](#)

@Louisiana Newsletter

Enter Your Email Address

SIGN UP

Connect with Us

