

GEOGRAPHY MAJOR: EARTH SYSTEM SCIENCE CONCENTRATION

Requirements for a Major

Minimum requirement for the major is completion of a six-course (20 credit) core curriculum and one of five concentrations. Students will declare a concentration in either General Geography, Environmental Studies, Geographic Information Systems, Earth System Science, or Earth Science Education. Study Away/Study Abroad is strongly encouraged for geography majors.

| Code | Title | Credits |
|---|-----------------------------------|-----------|
| Core Courses (18 credits) | | |
| GS-101 or GS-110 | Physical Geography Meteorology | 3 |
| GE-102 | Human Geography | 3 |
| GS-140 | Physical Geology | 4 |
| GS-165 | Geographic Information Systems I | 4 |
| GE-200 | Geography Literature Seminar | 1 |
| GE/GS-400 | Geography Seminar | 3 |
| Requirements for the Concentration in Earth System Science (32 credits) | | |
| <i>Ancillary requirements (may apply to LASC requirements)</i> | | |
| MA-190 | Pre-calculus | 4 |
| Select one of the following: 4 | | |
| CH-112 | Survey of Chemistry | |
| CH-120 | General Chemistry I | |
| PY-221 | General Physics I | |
| PY-241 | Physics I (Mechanics) | |
| <i>Required core courses</i> | | |
| GS-210 | Geomorphology | 4 |
| GS-225 | Oceanography | 3 |
| GS-230 | Biogeography | 3 |
| <i>Core electives</i> | | |
| 14 upper level credits at the 200+ level, including 3 earth science credits at the 300+ level. No more than one geography (GE) or Geospatial course can be counted toward this requirement. | | 14 |
| Total Credits | | 50 |

Geography Major: Earth System Science Concentration

Sample Timeline for Completion of Degree

Year One

| Semester One | | Credits |
|----------------|---------------------------------|-----------|
| LASC | First-Year Seminar | 3 |
| EN-101 | College Writing I | 3 |
| LASC | LASC Elective (GP) ¹ | 3 |
| GE-102 | Human Geography | 3 |
| GS-101 | Physical Geography | 3 |
| Credits | | 15 |

Semester Two

| | | |
|--------|----------------------------------|---|
| EN-102 | College Writing II | 3 |
| LASC | LASC Elective (CON) | 3 |
| MA-190 | Pre-calculus | 4 |
| LASC | LASC Elective (TLC) ¹ | 3 |

| | | |
|----------------|------------------|-----------|
| GS-140 | Physical Geology | 4 |
| Credits | | 17 |

Year Two

Semester Three

| | | |
|--|----------------------------------|-----------|
| GS-165 | Geographic Information Systems I | 4 |
| GS-210 | Geomorphology | 4 |
| Select one of the following LASC courses: ¹ | | 4 |
| CH-120 | General Chemistry I | |
| PY-221 | General Physics I (NSP LAB) | |
| PY-241 | Physics I (Mechanics) | |
| GE-200 | Geography Literature Seminar | 1 |
| LASC | LASC Elective (CA) ¹ | 3 |
| Credits | | 16 |

Semester Four

| | | |
|----------------|----------------------------------|-----------|
| GS-225 | Oceanography | 3 |
| GS-230 | Biogeography | 3 |
| LASC | LASC Elective (USW) ¹ | 3 |
| LASC | LASC Elective (HBS) ¹ | 3 |
| LASC | LASC Elective ¹ | 4 |
| Credits | | 16 |

Year Three

Semester Five

| | | |
|----------------|---------------------------------|-----------|
| SELECT | Earth System Science Elective | 3 |
| SELECT | Earth System Science Elective | 3 |
| LASC | LASC Elective (QR) ¹ | 3 |
| LASC | LASC Elective ¹ | 3 |
| SELECT | General Elective | 3 |
| Credits | | 15 |

Semester Six

| | | |
|----------------|----------------------------------|-----------|
| SELECT | Earth System Science Elective | 3 |
| SELECT | Earth System Science Elective | 3 |
| LASC | LASC Elective (NSP) ¹ | 3 |
| LASC | LASC Elective ¹ | 3 |
| SELECT | General Elective | 3 |
| Credits | | 15 |

Year Four

Semester Seven

| | | |
|----------------|-------------------------------|-----------|
| SELECT | Earth System Science Elective | 3 |
| LASC | LASC Elective (ICW) | 3 |
| SELECT | General Elective | 3 |
| SELECT | General Elective | 3 |
| SELECT | General Elective | 3 |
| Credits | | 15 |

Semester Eight

| | | |
|----------------|-------------------------|-----------|
| GE-400 | Geography Seminar (CAP) | 3 |
| SELECT | General Elective | 3 |
| SELECT | General Elective | 3 |
| SELECT | General Elective | 3 |
| SELECT | General Elective | 3 |
| Credits | | 15 |

Total Credits 124

¹ The sequence of LASC courses marked with ¹ is a suggestion but serves as a reminder that LASC designated courses must be taken to satisfy the LASC requirements.

2 Geography Major: Earth System Science Concentration

Students are required to meet with their department advisor to review their upcoming semester academic choices. A minimum of 120 credits is required for graduation.