Bachelor of Science (B.S.) in Geography and Environmental Resources
Geographic Information Science (GIS) specialization

The requirements below represent those for the major in Geography and Environmental Resources (GIS specialization) offered by the School of Earth Systems and Sustainability. Note that the SIU Undergraduate Catalog provides the official record of degree requirements. Listed requirements presented here may not be offered every semester and do not include prerequisites. We encourage all students to monitor their progress towards degree using Degree Works within D2L and meet regularly with their academic advisor. For majors in Geography and Environmental Resources, the academic advisor is Mr. Matt Sronkoski (mattski@siu.edu). Curriculum-related questions can be directed to Dr. Leslie Duram (duram@siu.edu), Geography and Environmental Resources Director of Undergraduate Studies, or to Dr. Justin Schoof (jschoof@siu.edu), Director of the School of Earth Systems and Sustainability.

**UNIVERSITY CORE CURRICULUM REQUIREMENTS**
(DETAILS HERE): 39 CREDIT HOURS

**FOUNDATIONAL SKILLS (13 HOURS)**
☐ UNIV 101: Foundations of Inquiry or equivalent (1)
☐ CMST 101: Introduction to Oral Communication (3)
☐ ENGL 101: Composition I (3)
☐ ENGL 102: Composition II (3)
☐ MATH: See link above. We recommend MATH 108 (3)

**DISCIPLINARY STUDIES (23 HOURS)**
☐ FINE ARTS (3)
☐ HUMAN HEALTH (3)
☐ HUMANITIES (6)
☐ PHYSICAL SCIENCE (3)
☐ LIFE SCIENCE (3)
☐ SOCIAL SCIENCE (6)

**INTEGRATIVE STUDIES (3 HOURS)**
☐ INTEGRATIVE STUDIES (3)

**UNIVERSITY ELECTIVES: 39 CREDIT HOURS**

**GEOGRAPHY AND ENVIRONMENTAL RESOURCES REQUIREMENTS: 41 CREDIT HOURS**

**COURSES REQUIRED FOR ALL GEOGRAPHY MAJORS (21 HOURS)**
☐ GEOG 300i: Geography, People and Environment (3)
☐ GEOG 303i Physical Geography (3)
☐ GEOG 401 Geographic Information Science (3)
☐ GEOG 404 Spatial Analysis (3) (or GEOG 412)
☐ GEOG 433 Field Methods in Geography (3)

And any two of the following:
☐ GEOG 100: Environmental Conservation (3)
☐ GEOG 103: World Regional Geography (3)
☐ GEOG 104: Weather, Climate, and Society (3)
☐ GEOG 304: Environmental Justice (3)
☐ GEOG 310i: Introduction to GIS (3)
☐ GEOG 320: Introduction to Sustainability (3)
☐ GEOG 330: Physical Climatology (3)

**GIS SPECIALIZATION COURSES (12 HOURS)**
☐ GEOG 406: Introduction to Remote Sensing (3)
☐ GEOG 408: Advanced Remotely Sensing (3)
☐ GEOG 416: Cartographic Design (3)
☐ GEOG 420: Advanced GIS (3)

**GEOGRAPHY ELECTIVES: (9 HOURS AT THE 400-LEVEL)**
☐ GEOG ______ (3)
☐ GEOG ______ (3)
☐ GEOG ______ (3)