GEOGRAPHY, B.S. - GEOGRAPHIC INFORMATION SCIENCE AND TECHNOLOGY

The program outline and graduation requirements are listed below. In addition, free electives are selected to reach 120 credits overall required for graduation.

The department website provides an overview of the program, admission requirements (when applicable), faculty biographies, learning outcomes, and careers: https://www.southerncst.edu/academics/environment-geography-marine-sciences/programs

GENERAL EDUCATION REQUIREMENTS

All bachelor’s degree programs include liberal education (LEP) and writing (W) course requirements. Detailed information on these requirements is published in this section of the catalog: https://catalog.southerncst.edu/undergraduate/general-information/lep.html.

Writing courses are not additional course requirements, course sections that meet this requirement are designated with a ‘W’ on the class schedule. Courses in the major and/or cognate may also be used to satisfy LEP requirements where noted below (*).

MAJOR REQUIREMENTS (40 Credits)

*While there are 3 GEO courses that can meet General Education requirements, the LEP program limits Tier 2 to a maximum of two courses within a subject.
GEO 200 – Human Geography (T2CE)*
GEO 201 – Physical Geography (T2PR)*
GEO 270 – Maps and Mapmaking Technology (T2CD)*
GEO 290 – Research Methods in Geography
GEO 360 – Introduction to GIS
GEO 460 – Geographic Information Systems for Environmental and Spatial Science
GEO 490 – Seminar in Geographic Thought

Select one from:
GEO 461 – Environmental GIS
GEO 497 – Geography Internship
GEO 499 – Independent Study
HON 494 and HON 495 – Departmental Honors

Systematic (Select one):
GEO 204 — Principles of Sustainability
GEO 205 — Economic Geography
GEO 208 — Political Geography
GEO 260 — Population Geography
GEO 265 — Recreation Geography
GEO 301 — Landforms
GEO 304 — Sustainability and Public Engagement
GEO 305 — Environmental Economic Geography
GEO 357 — Coastal and Marine Geography

GEO 362 — Urban Geography
GEO 404 — Applied Sustainability Science
GEO 405 — Environmental Justice

Techniques (Select three - minimum 9 credits):
GEO 273 – Land Use Planning
GEO 280 – Geographic Information Systems for Inquiry in the Social Sciences
GEO 367 - GIS for Public Health
GEO 370 – Remote Sensing
GEO 371 – Cartography
GEO 470 – Field Techniques
GEO 481 – Spatial Analysis