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.southernct.edu/academics/environment-geography-marine-sciences/programs

GENERAL EDUCATION REQUIREMENTS

All bachelor’s degree programs include liberal education (LEP) and writing (W) course requirements. To review more detailed information regarding these requirements, please visit Degree Requirements >> General Education (LEP) Requirements. 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 – Designing Maps (T2CD)*
GEO 290 – Research Methods in Geography and Environmental Sustainability
GEO 360 – Introduction to GIS
GEO 460 – Geographic Information Systems for Environmental and Spatial Science
GEO 490 – Capstone Seminar

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