ENVIRONMENTAL SYSTEMS AND SUSTAINABILITY, B.S. - ENVIRONMENTAL SYSTEMS

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. 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)

Environmental Systems and Sustainability (25 Credits)
ENV 220 - Global Climate Change
GEO 290 - Research Methods in Geography and Environmental Sustainability
GEO 204 - Principles of Sustainability
GEO 360 - Introduction to Geographic Information Systems
ENV 491 - Environmental Problem Solving
or GEO 490 - Capstone Seminar

Select 1 from:
ENV 200 - Systems Thinking for the Environment
MAR 140 - The World Ocean

Select 1 from:
ENV 498 - Special Topics in Environmental Science
GEO 470 - Field Techniques
GEO 497 - Internship
MAR 499 - Independent Study

Select 1 from:
GEO 405 - Environmental Justice
HIS 359 - American Environmental History
LIT 303 - Literature of the Sea
PHI 321 - Philosophy of Science
SOC 235 - Environmental Sociology

**Environmental Systems Concentration (15 Credits)**
GEO 201 - Physical Geography (T2PR)*
ENV 350 - Environmental/Earth Systems Inquiry
ENV 400 - Social Science Perspectives on Environment
ENV 401 - Pollution Prevention and Control

Select 1 from:
BIO 202 - Ecology
BIO 210 - Environmental Biology and Conservation
BIO 237 - Field Natural History
ESC 200 - Physical Geology
ESC 201 - Historical Geology
GEO 404 - Applied Sustainability Science
GEO 460 - GIS II
MAR 250 - Introduction to Coastal and Marine Pollution
PCH 441 - Water Supply and Water-Waste Treatment

**COGNATE REQUIREMENTS (3 Credits)**

MAT 107 - Elementary Statistics (T1QR)*