ENVIRONMENTAL SYSTEMS AND SUSTAINABILITY, B.S. - COASTAL MARINE 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.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 (44 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

Coastal Marine Systems Concentration (19 Credits)
MAR 210 - Coastal Marine Studies
MAR 250 - Introduction to Coastal and Marine Pollution
MAR 340 - Coastal Processes
MAR 460 - Field and Laboratory Techniques in Marine Studies
GEO 357 - Coastal and Marine Geography

Select 1 From:
BIO 327 - Field Natural History
BIO 430 - Marine Biology
ESC 106 - General Oceanography or MAR 140 - The World Ocean
ESC 220 - Physical and Chemical Oceanography
ENV 350 - Environmental/ Earth Systems Inquiry
MAR 398 - Special Topics: Bermuda
PCH 441 - Water supply and Waste-Water Treatment

COGNATE REQUIREMENTS (3 Credits)

MAT 107 - Elementary Statistics (T1QR)*