EARTH SCIENCE, B.S. - GENERAL

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/earth-science/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.southernct.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 (60 Credits)

‘C-’ or better required

ESC 200 — Physical Geology
ESC 201 — Historical Geology (T2LE)*
ESC 205 — Principles of Meteorology
ESC 220 — Physical and Chemical Oceanography
ESC 235 - Computation and Visualization of Data in the Earth Sciences
ESC 311 — Mineralogy
ESC 312 – Petrology or ESC 325 – Stratigraphy and Sedimentation
ESC 332 – Invertebrate Paleontology or ESC 461 - Glacial Geology (‘C-’ or better) (T3)*
ESC 350 - Structural Geology and Tectonics
ESC 430 — Field Methods

24 Credits of ESC at or above the 200-level

COGNATE REQUIREMENTS (16 Credits)

CHE 120 – General Chemistry I (T2PR)*
PHY 200 – General Physics I

Select one from:
BIO 102 – Biology I
BIO 120 – Microbiology
CHE 121 – General Chemistry II
PHY 201 – General Physics II
Select one from (T1QR)*:
MAT 122 – Precalculus
MAT 150 – Calculus I