CHEMISTRY, 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/chemistry/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 (42 Credits)

GPA of 2.0 required in the major.

Chemistry Requirements (29 Credits)
CHE 120 – General Chemistry I
CHE 121 – General Chemistry II
CHE 240 – Analytical Chemistry
CHE 260 – Organic Chemistry I
CHE 261 – Organic Chemistry II
CHE 370 – Physical Chemistry I
CHE 435 — Inorganic Chemistry I
CHE 301, CHE 445 and CHE 496 - Chemistry Connection (T3)*

Concentration in General Chemistry (13 Credits)
CHE 371 – Physical Chemistry II
CHE 372 – Physical Chemistry Laboratory I
CHE 373 – Physical Chemistry Laboratory II
CHE 436 — Inorganic Chemistry Lab
Select two additional CHE course at or above the 300-level

In order to receive a degree in chemistry from Southern Connecticut State University, along with satisfying the requirements listed above students must complete a minimum of 16 credits of advanced chemistry courses (300 level or above) at SCSU.

COGNATE REQUIREMENTS (20 Credits)

MAT 150 – Calculus I (T1QR)*
MAT 151 – Calculus II
MAT 252 – Calculus III
PHY 230 – Physics for Scientists and Engineers I (T2PR)*
PHY 231 – Physics for Scientists and Engineers II