CHEMISTRY 7-12, B.S.

The program outline and graduation requirements are listed below. In addition, free electives are selected to reach 120 credits overall and a 2.7 cumulative GPA is 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

This is also a teacher/educator preparation program that prepares students for teacher certification in the state of Connecticut. For more information about admission to these programs, please visit Admissions>>Teacher/Educator Preparation Programs.

In addition, candidates recommended for certification must meet the requirements listed below and in effect on the date the CSDE receives the certification application. For more information about these additional CSDE requirements, please visit Degree Requirements>>Teacher/Educator Preparation 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 http://catalog.southernct.edu/undergraduate/degree-requirements.html (General Education Requirements). Courses in the major and/or cognate may also be used to satisfy LEP requirements where noted below (*).

MAJOR REQUIREMENTS (61 Credits)

Chemistry Requirements (34 Credits)
GPA of 2.0 required in the major
CHE 120 – General Chemistry I
CHE 121 – General Chemistry II (T2LE)*
CHE 240 – Analytical Chemistry
CHE 260 – Organic Chemistry I
CHE 261 – Organic Chemistry II
CHE 370 – Physical Chemistry I
CHE 372 – Physical Chemistry Laboratory I
CHE 411 - Chemical Education
CHE 435 — Inorganic Chemistry I
CHE 436 — Inorganic Chemistry Lab
CHE 301, CHE 445 and CHE 496 - Chemistry Connection (T3)*

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.
Education Requirements (27 Credits)
EDU 316 - Child Development and Psychology for Educators ('C' or better)
EDU 413 – Secondary Education ('C' or better)
EDU 471 - Supporting English Learners for School Success ('C' or better)
RDG 470 - Literacy in the content Areas ('C' or better)
SCE 490 – Science (Secondary School) ('C' or better)
SCE 494 – Student Teaching (Science)
SCE 496 – Student Teaching Seminar (Science)
SED 225 – Introduction to Exceptionalities ('C' or better)

COGNATE REQUIREMENTS (17 Credits)

EDU 200 - Teachers, Schools, and Society ('C' or better) (T2CC)*
HIS 110 or HIS 111 - United States History I or II (T2AE)*
PHY 230 - Physics for Scientists and Engineers I (T2PR)*
MAT 150 - Calculus I (T1QR)*
SHE 203 - School Health ('C' or better) (T2MB)*