





ABOUT

Chemistry includes study of molecules and materials, matter and energy. Industrial, pharmaceutical, medicinal, food, agricultural, and forensic chemistry all use similar instrumentation and chemical theory drawn from the main types of study in chemistry: physical, organic, analytical, biochemistry, and inorganic chemistry. The major includes courses in these main types of chemistry.

At SNU you will personally use these instruments for lab experiments and research: UV-Vis spectrometers, ESI and GC Mass spectrometers, FT-IR spectrometers, Gas Chromatograph, multinuclear FT-NMR spectrometer, and programs for molecular modeling. We design a unique environment for you by reading the chemistry research literature together, connecting lab experiments to medical and other real-world applications, and solving problems individually and in collaborative teams.

DEGREE PLAN

**The courses listed are for this specific program and are in addition to the general education courses required for all students. See the General Education brochure or go to snu.edu/gen-ed for more information on those courses.

Chemistry Courses Required courses:

General Chemistry I + lab General Chemistry II + lab Analytical Chemistry + lab Organic Chemistry I + lab Organic Chemistry II + lab Physical Chemistry + lab Chemistry Seminar x 2

Required chemistry electives to be chosen from:

Instrumental Analysis + lab Advanced Inorganic **Chemistry Research Chemical Kinetics Biochemistry**

Required Supporting Courses

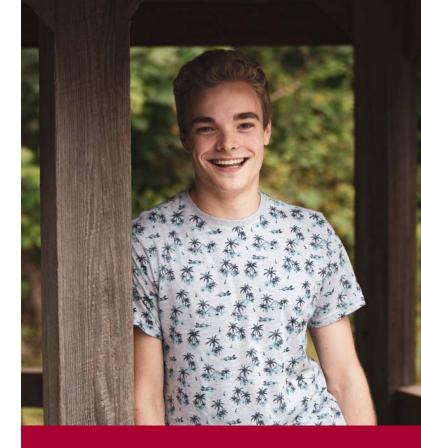
General Physics I for Sci/Eng + lab General Physics II for Sci/Eng + lab Calculus I Calculus II

Additional recommended courses for students interested in M.S./Ph.D.

Intro to Computer Science Calculus III Linear Algebra **Differential Equations Quantum Mechanics** Statistical Mechanics

Additional courses for students interested in Pharm.D.

Cells and Systems + lab Microbiology + lab Anatomy + lab Physiology + lab Intro Psych/Soc



"Dr. Crow and Dr. York have always been extremely helpful and available when I need to ask questions about a course, or next steps toward my future career. I am constantly reminded of how genuinely they care and want to help me succeed in everything I do." -Andy Issacs



DEPARTMENT OF CHEMISTRY
SOUTHERN NAZARENE UNIVERSITY