



BIOLOGY CHEMISTRY

FOUR YEAR PLAN

DEPARTMENT OF BIOLOGY & CHEMISTRY
SOUTHERN NAZARENE UNIVERSITY



BIOLOGY CHEMISTRY

ABOUT

The SNU departments of Biology and Chemistry offer a broad introduction to modern science. Our courses range from the cell and molecular level to organismal biology and human biology as well as industrial pharmaceutical, medicinal, food, agricultural and forensic chemistry. A student in the biology/chemistry major is typically one who is interested in studying and understanding life at the molecular and/or cellular level. Students in this major take an equal allotment of biology and chemistry classes with a rigorous background of mathematics and physics. At SNU the student will personally use the 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. SNU has an excellent reputation for mentoring and preparing students for graduate and professional programs. Students are encouraged to get involved in research and practical experiences either on the SNU campus or at other collaborating locations. SNU has a world-class biological field station in Costa Rica, the Quetzal Education Research Center (QERC) at which students can spend a semester studying abroad. Through our uniquely designed environment students will read research literature together, connect lab experiments to medical and other real-world applications, and solve 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.*

01

Organismal Biology
Cells and Systems
General Chemistry I
General Chemistry II

02

Genetics
Organic Chemistry I
Organic Chemistry II
Physics I
Physics II

03

Cell and Molecular Biology
Biology 3000 or 4000 Course
Biochemistry
Analytical Chemistry or Physical Chemistry

04

Biology 2000 Course
Origins
Biology 3000 or 4000 Course
Chemistry Seminar



"I chose SNU's Bio Chem program because I had heard amazing things about the professors. My favorite memories from the program all include Dr. York. There is never a dull moment with her around and I love and appreciate her more than she knows!"

-Taylor Middendorf

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