



BIOLOGY CHEMISTRY
**PRE-VETERINARY
TRACK**

FOUR YEAR PLAN

DEPARTMENT OF BIOLOGY & CHEMISTRY
SOUTHERN NAZARENE UNIVERSITY



PRE-VETERINARY TRACK

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 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. SNU has an excellent reputation for mentioning 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 of reading research literature together, connecting lab experiments to medical and other real-world applications, and solving problems individually and in collaborative teams, students are exceptionally prepared to pursue a graduate Veterinary program through the following specialized track of courses.

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

Foundation : Science & Technology
Cells and Systems
Organismal Biology

02

Genetics
Bio Elective
Microbiology
Bio Elective

03

General Ecology
Chem Elective
Field Course
Chem Elective

04

Cell & Molecular Biology
Bio Elective
Gen Physics 1
Origins



"I've spoken to many other students that went to large state universities and they haven't had classes that are remotely as intense as some of the ones I have taken here. I know each of the professors in the science department really well, and they have all been extremely helpful in my journey of preparing, applying, and now actually going to veterinary school. This whole process would have been much harder without their guidance."

-Marissa Lewis

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405.491.6642 | ADMISSIONS@SNU.EDU | 6729 NW 39TH EXPRESSWAY | BETHANY, OKLAHOMA 73008 | SNU.EDU