



BIOLOGY CHEMISTRY  
**PRE-PHYSICIAN  
ASSISTANT TRACK**

**FOUR YEAR PLAN**

**DEPARTMENT OF BIOLOGY & CHEMISTRY**  
SOUTHERN NAZARENE UNIVERSITY





# PRE-PA 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 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 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 Physician Assistant 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](http://snu.edu/gen-ed) for more information on those courses.*

01

General Chemistry I + lab  
General Chemistry II + lab  
Cells & Systems + lab  
Organismal Biology  
Trigonometry  
Psychology\*

02

Organismal Biology I + lab  
Organismal Biology II + lab  
General Physics I + lab  
General Physics II + lab  
Genetics  
Microbiology + lab

03

Analytical Chemistry + lab  
Cellular and Molecular Biology  
Developmental Psychology  
Instrumental Analysis\* + lab  
Biochemistry  
Cadaver Dissection\*

04

Advanced Human Physiology\*  
Origins  
Immunology\*  
Chemistry Seminar

*\*Unique courses for Pre-PA track*



"I chose to be a biochemistry major because I knew it would best prepare me for graduate school. Taking both chemistry and biology classes each semester is hard, but I know it will help set me up for success in the future. My favorite part of being Pre-PA is the relationships I have developed with my professors. They have taught me so much both in and out of the classroom and I appreciate them so much!"

-Natalie James

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