



CHEMISTRY PRE-PHARMACY TRACK

FOUR YEAR PLAN

DEPARTMENT OF CHEMISTRY
SOUTHERN NAZARENE UNIVERSITY



PRE-PHARMACY TRACK

ABOUT

Chemistry includes the 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, students will personally use these instruments for lab experiments and research: UV-Vis

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. Students are exceptionally prepared to pursue a graduate Pharmaceutical Science 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 General Chemistry I + lab
General Chemistry II + lab
Calculus I
Calculus II
Organismal Biology + lab
- 02 Organismal Biology I + lab
Organismal Biology II + lab
General Physics I (for Sci/Eng*) + lab
General Physics II (for Sci/Eng*) + lab
Cells and Systems + lab
Micro Biology + lab
- 03 Analytical Chemistry + lab
Human Anatomy + lab
Statistical Methods *
Instrumental Analysis + lab
Advanced Inorganic Chemistry
Human Physiology + lab
Chemistry Seminar
- 04 Chemistry Research*
Physical Chemistry + lab
Chemistry Seminar

**Unique courses for Pre-Pharmacy*



"I chose Pre-Pharmacy after a talk with my chemistry advisor (Dr. Lisa Crow). I told her I was struggling with what I wanted to do and was debating changing my major to business. She gave me the confidence that I was where I needed to be; I just needed to figure out what I wanted to do. I loved creating different desired products from simple starting materials and she suggested I become a compounding pharmacist. With the help of Dr. Crow, Dr. York and Dr. França I will be attending OU College of Pharmacy. There is no way I would have been able to accomplish this without their help."

-Dylan Meador

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