

# Preprofessional Programs

## Premedical/Pre dental

While any major is compatible with medicine, an emphasis on science courses is mandatory for completion of the academic prerequisites of medical and dental schools. Azusa Pacific's Department of Biology and Chemistry (<https://www.apu.edu/clas/biochem/>) offers excellent curricula for such programs. Students enjoy strong academic advising on preparatory coursework, and a great deal of personal contact with professors within the classroom and advising environments.

Students enter the premedical/pre dental track (<https://www.apu.edu/clas/programs/premedical/>) by application, usually not earlier than the second semester of the sophomore year. Admission to the program is based on an evaluation of academic success and realistic plans for a health career. Students who successfully complete this track have a high success rate for acceptance into medical and dental schools. The program equips students to integrate scientific, cultural, and religious views, and develops the skills and objectivity necessary for the advancement of scientific knowledge.

To assist in attaining this goal, APU provides an advisor and a premedical/pre dental advisory committee to assist students in course selection, monitor academic progress, provide information on medical and dental school admission policies, conduct mock interviews, and, in general, aid students in focusing their preparation for medical or dental school.

In addition, career seminars and a Medical College Admissions Test (MCAT) review course (BIOL 470) led by the university premedical advisor are offered. A high MCAT score and a high grade-point average are necessary in applying to a medical school.

In addition to the General Education requirement, the following is typical of the academic prerequisites required by most medical and dental schools:

Code	Title	Units
<b>Chemistry</b>		
CHEM 151 & CHEM 152	General Chemistry I and General Chemistry II <sup>1</sup>	8
CHEM 251 & CHEM 252	Organic Chemistry: Theory I and Organic Chemistry: Theory II	6
CHEM 261 & CHEM 262	Organic Chemistry - Lab and Organic Chemistry - Lab	2
<b>Biology</b>		
BIOL 151 & BIOL 152	General Biology I and General Biology II <sup>1</sup>	8
<b>Mathematics</b>		
MATH 165 & MATH 166	Calculus I and Calculus II	6
<b>Physics</b>		
Select one of the following:		8-10
PHYC 155 & PHYC 156	Physics for Life Sciences I and Physics for Life Sciences II <sup>1</sup>	
PHYC 165 & PHYC 166	Physics for Science and Engineering: Mechanics and Physics for Science and Engineering: Electricity and Magnetism <sup>1</sup>	
PHYC 145	Physics Laboratory I	1
PHYC 146	Physics Laboratory II	1

<sup>1</sup> CHEM 151, BIOL 151, PHYC 155, and PHYC 165 meet the General Education Natural Sciences requirement.

The following courses also provide excellent preparation for medical school:

Code	Title	Units
BIOC 360	Principles of Biochemistry	4
BIOC 270 & BIOC 370	Biomolecular Chemistry and Biomolecular Metabolism	8
BIOL 240	Biology of Microorganisms	4
BIOL 280	Cell Biology	4
BIOL 300	Genetics	4

BIOL 336	Vertebrate Biology	4
BIOL 346	Regional Human Anatomy	4
BIOL 350	Mammalian Physiology	4
CHEM 300 & CHEM 310	Quantitative Chemical Analysis - Theory and Quantitative Chemical Analysis - Laboratory	4
PSYC 110	General Psychology <sup>1</sup>	3
SOC 120	Introduction to Sociology <sup>1</sup>	3

<sup>1</sup> Meets the General Education Social Sciences requirement.

## Pre-PT/OT

Physical and occupational therapy programs require the completion of prerequisite science courses. Azusa Pacific's Department of Biology and Chemistry (<https://www.apu.edu/clas/biochem/>) offers excellent curricula and faculty mentoring to complete these mandatory requirements. Students benefit from strong academic advising on preparatory coursework from a committee that includes a doctor of physical therapy as the committee chair.

Students enter the pre-PT/OT track (<https://www.apu.edu/clas/programs/pre-physical-occupational-therapy/>) by application while completing BIOL 251 Human Physiology. Admission to the program is based on an evaluation of academic success and realistic plans for a health career. Students in this track can anticipate a high success rate for admission to physical or occupational therapy schools as they become familiar with the physical/occupational therapy school admission process (PTCAS/OTCAS) through personalized, step-by-step advising and a mock interview with the pre-PT/OT committee. In addition, students have the opportunity to receive a committee letter in support of their physical or occupational therapy school application.

In addition to the General Education requirement, the following is typical of the academic prerequisites required by most physical and occupational therapy programs:

Code	Title	Units
BIOL 151	General Biology I <sup>1</sup>	
BIOL 250	Human Anatomy	
BIOL 251	Human Physiology	
BIOL Elective		
CHEM 151	General Chemistry I <sup>1</sup>	
CHEM 152	General Chemistry II	
PHYC 145	Physics Laboratory I	
PHYC 146	Physics Laboratory II	
PHYC 155	Physics for Life Sciences I <sup>1</sup>	
PHYC 156	Physics for Life Sciences II	
Exercise Physiology		
Psychology		
Sociology		
Statistics		

The BA in Allied Health (<http://catalog.apu.edu/academics/college-arts-humanities-theology-sciences/school-humanities-sciences/biology-chemistry/allied-health-ba/>) is designed to fulfill the PT/OT graduate program requirements without any need for additional coursework.

## Prelaw

Azusa Pacific University's Department of History and Political Science offers a prelaw minor (<http://catalog.apu.edu/academics/college-arts-humanities-theology-sciences/school-humanities-sciences/history-political-science/prelaw-minor/>) for students interested in law school. The 21-unit minor includes courses in political science, criminal law, constitutional law, and political philosophy. The department's prelaw advisor assists prelaw students in selecting appropriate courses and in the process of identifying and applying to law schools.