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ACADEMIC PROGRAMS



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PRE-HEALTH PROFESSIONS PROGRAM

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Sonoma State University provides preparation for continuing study in the professional fields of medicine, osteopathic medicine, dentistry, veterinary medicine, podiatry, optometry, pharmacy, physical therapy, physician assistant, and chiropractic medicine.

Students interested in entering the health professions will select an appropriate major for undergraduate study. Since a majority of the courses required for admission to health-related programs are in the sciences, most students earn degrees in biology or chemistry before going on to professional schools, although many non-science majors are being accepted.

Most health professions schools require a bachelor's degree for admission, although schools of dentistry, pharmacy, physician assistant, and chiropractic medicine may require fewer units and courses for admission. The following outline of courses will meet the requirements for admission to most medical schools. Since medical schools generally have the most rigid course requirements among the health professions schools, these courses would generally meet or exceed the requirements for other schools. However, it is important to examine closely the requirements for any program and school and take courses to fulfill those requirements. Requirements for entrance into the University of California, Davis, Veterinary Medicine program are different from those for other health professions schools. Pre-veterinary students should consult an advisor in the Biology Department.

Courses Required for Admission to Health Professions Schools

The following courses are most generally required for admission to health professions schools:

Biology	Units
General biology or zoology (through cellular and molecular biology)	8-12

Chemistry	
Inorganic or general chemistry	10
Organic chemistry	8-10
Some schools also recommend biochemistry.	

English	
Composition and Literature	6

Physics	
A one-year course with lab	8

Mathematics

Some schools require a year of college mathematics and/or a calculus course or statistics 4-8

Foreign Language

A few schools recommend a modern foreign language course 0-8

Psychology

An introductory psychology course is recommended by some schools 3

Courses for Health Professions

The following courses at Sonoma State University will generally fulfill the required or recommended courses suggested above:

BIOL 121* Diversity, Structure, and Function	4
BIOL 122* Genetics, Evolution, and Ecology	4
BIOL 123* Molecular and Cell Biology	4
BIOL 320 Molecular Genetics	4
BIOL 325 Cell Biology	4
BIOL 370 Vertebrate Evolutionary Morphology	4
BIOL 372 Developmental Biology	4
CHEM 115AB* and 116AB* General Chemistry and Lab	10
CHEM 335AB* and 336 Organic Chemistry and Lab (336 lab often not required)	8-10
CHEM 445 and 446 Biochemistry	3-3
PHYS 210AB* and 209AB* General Physics and Lab	8
ENGL 101 and 214 Expository Writing and Literature	6
MATH 107 Precalculus Mathematics	4
MATH 161 Calculus	4
MATH 165 Elementary Statistics	4
PSY 250 Introduction to Psychology	3

* *Required courses for all California medical schools.*

Applicants with a grade point average below 3.00 are almost never considered by medical admissions committees, and few students with a grade point average below 3.40 are accepted.

In addition to the required courses, most health professions students are required to take an examination such as the Medical College Admissions Test, Dental Admissions Test, or the Graduate Record Examination at, or before, the time of application.

The School of Science and Technology health professions advisory committee has been established to offer assistance to students interested in careers in the health professions. The main functions of the committee are to:

1. Advise students on how best to prepare for admission to health professions schools. Since the Sonoma State University campus is small, the health professions advisory committee has the opportunity to communicate with students on a personal basis. Individual departments may also have pre-health professions advisors.
2. Maintain career information related to health professions, including catalogs from various schools and registration materials for examinations, and centralized application services required for admission to certain programs such as medicine, osteopathic medicine, veterinary medicine, podiatry, and dentistry.
3. Evaluate candidates and write letters supporting their admission to health professions schools.
4. Provide a practice admissions interview for candidates applying to health professions schools.

The chair of the health professions advisory committee is the advisor to the Pre-Health Professions Club.

Students interested in a career in the health professions are strongly encouraged to meet with a health professions advisor immediately upon enrolling at Sonoma State University. Appointments can be made through the health professions advisory committee office in Darwin Hall 121, (707) 664-2535. Visit the committee Web site (www.sonoma.edu/hpac) for more information.

SONOMA STATE UNIVERSITY

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