



# PHARMACY SCHOOL ADMISSION

COUNSELING DIVISION

**The following requirements for the major are subject to change without notice.** To assure accuracy of the information on this sheet, you should consult with the Pharmacy School Admission counselor, or review articulation agreements via the Internet at [WWW.ASSIST.ORG](http://WWW.ASSIST.ORG) You may also consult the Articulation Officer for specific articulation agreements.

**CAREER OPPORTUNITIES:** Pharmacists prepare, compound, and dispense medicines prescribed by doctors, veterinarians, and dentists. They advise doctors, veterinarians, and other prescribers on the proper selection and effect of the drugs.

**ADMISSION:** Admission to pharmacy schools is highly competitive. An appropriate major for the bachelor's degree should be selected that could lead to an alternate career if necessary. Pharmacists must graduate from a program accredited by the American Council of Pharmaceutical Education. Most schools require a pre-pharmacy curriculum emphasizing mathematics, chemistry, biology, and physics. Pharmacists must also be licensed, which requires graduation from a college of pharmacy. Licensed pharmacists must also complete written and practical examinations given by the board. Pharmacy schools accept applications submitted through the Pharmacy Centralized Application Service, PharmCAS. All of the schools in California and more than 60 schools across the country are participating in PharmCAS. To submit an application through PharmCAS, go to their website at <http://www.pharmcas.org>. Students may be required to submit supplemental application materials to each program. Students will need to check the individual program website for additional information.

**UNIVERSITY OF SOUTHERN CALIFORNIA** ([www.usc.edu/schools/pharmacy](http://www.usc.edu/schools/pharmacy))

Students should have a minimum of 90 semester units. Recommended: three or four years of academic preparation; Bachelor's Degree is highly recommended. A minimum GPA 3.0 is required; The prerequisite courses (Physiology, Microbiology, Molecular Biology; and Organic Chemistry) must be repeated at a four year university if they are nine years or older at the time the application is submitted. The professional program requires four years and leads to a Pharmacy Degree (Doctor of Pharmacy). Students are encouraged to become familiar with the pharmacy profession, visit the campus, and meet the admission staff, faculty and students by attending one of the information sessions. To make a reservation, visit <http://www.usc.edu/schools/pharmacy/pharmd/admission/tour.html>.

**Required courses:** Biology 101-102, Chemistry 1A-1B and 7A-7B, Microbiology 33, Physiology 31, Math 150 and 190, English 1A and 1B or 1C, Psychology 5 or Sociology 101, Speech 1 or 3 or 12, Econ 2, Physics 2A-2B or 1A-1C or 3A-3B

**Recommended courses:**

Computer Science; Biochemistry course required by USC, however, El Camino does not have an equivalent course.

\*Humanities- six semester units from: Literature, Classics, Philosophy, Religion, Ethics, History, Foreign Language, and Fine Arts; \*Social & Behavioral Sciences- six semester units from: Anthropology, Geography, Behavioral Biology, Psychobiology, Sociology, Political Science or International Relations

\* Note: Students who have earned a Bachelor's Degree in the U.S. before beginning the Doctoral Program will have met the requirements for Humanities and Social & Behavioral Sciences.

**UNIVERSITY OF CALIFORNIA, SAN FRANCISCO (UCSF)** (<http://pharmacy.ucsf.edu>)

To be eligible for admission, satisfactory completion of a minimum of 62 semester units must have been completed at another college. The curriculum requires two years of pre-professional courses followed by four years of professional study at UCSF leading to a Doctor of Pharmacy (Pharmacy. D.) Degree. A minimum GPA of 2.80 is required to meet admissions eligibility.

**Required courses:** Biology 101-102; Chemistry 1A-1B and 7A-7B; Physiology 31; English 1A and 1B or 1C; Math 190 and 191 or 160 and 161; Physics 1A-1B-1C or 2A-2B or 3A-3B; 18 semester units of Humanities and Social Sciences which must include the following courses: Economics 1 or 2 or 5; Psychology 5 or Sociology 101 or Anthropology 2; Speech 1 or 4

**Note:** Entering students are required to have home internet connection, email, and a computer that meets the software and hardware requirements. Students are expected to have computer literacy upon entering the program in Excel, Word, Equation Editor, and Power Point. Apply by November 1 for admission the following year in September.

**UNIVERSITY OF THE PACIFIC** ([www.uop.edu](http://www.uop.edu))

**Doctor of Pharmacy Degree:** 64 transferable units required.

**Required courses:** Biology 101-102, Chemistry 1A-1B and 7A-7B, Economics 1 or 5, English 1A and 1B or 1C, Math 190 or 160, Microbiology 33, Psychology 5, Speech 1 or 4, Physics 1A or 2A or 3A

\*Students with a bachelor's degree are exempt from the GE requirement: General Education: 28 additional units from humanities, social, and behavioral sciences - including the English, Speech, Economics, and Psychology. No more than 2 units of P.E. will count.

These pre-pharmacy requirements simply make the candidate eligible for selection. Final selection is based upon recommendations, personal factors and strength of academic preparation.

**WESTERN UNIVERSITY OF HEALTH SCIENCES, COLLEGE OF PHARMACY** ([www.westernu.edu](http://www.westernu.edu))

Students should have a minimum of 60 semester units. The curriculum requires two years of pre-professional courses followed by four years of professional study at Western University of Health Sciences, College of Pharmacy leading to a Doctor of Pharmacy (Pharm.D.) degree.

To be considered for admission, students must: 1) Complete all pre-pharmacy course work with a grade of "C" or better; 2) Have a minimum cumulative pre-pharmacy and science grade point average of 2.75; 3) Submit a completed application by November 1 of the year prior to admission; 4) **TOEFL (Test of English as a Foreign Language):** TOEFL, including essay, is required for all applicants submitting course work from foreign schools, and all permanent and temporary residents of the United States. **Exception:** The TOEFL exam will be waived for students who have graduated with a confirmed baccalaureate or higher degree from a United States institution **by the PharmCAS application deadline November 1.** A minimum score of 213 for the Computer Based test or 79 for the Internet based test. TOEFL test must be submitted at the time of application. TOEFL scores are valid for two (2) years. TOEFL scores will not be waived for pending baccalaureate degrees or pending naturalization appointments. For more information regarding the TOEFL test, please visit their website at [www.toefl.org](http://www.toefl.org); and 5) Participate in an admission interview and assessment of written and verbal communication skills. Admission to the program is competitive, and admission is granted only for the fall term. \*preference will be given to students with a BA or BS Degree.

**Required courses:**

Anatomy 32, Chemistry 1A-1B and 7A-7B, English 1A and 1B or 1C, Microbiology 33, Math 190, Physiology 31, Speech 1; Biology 103

Electives: 20 additional units from sciences, humanities, behavioral, and social sciences.

**UNIVERSITY OF CALIFORNIA, SAN DIEGO**

The UCSD Skaggs School of Pharmacy and Pharmaceutical Sciences are accepting applications only submitted through the Pharmacy Centralized Application Service, PharmCAS. To submit an application through PharmCAS, go to their website at <http://www.pharmcas.org>

No specific undergraduate major is recommended or required, but all applicants must have completed the minimum pre-requisite coursework at an accredited college or university in the United States. Students who have attended a foreign school must have completed at least one year of study at a four-year college or university in the United States prior to application. Entrance examinations such as the P.C.A.T or G.R.E. are not required.

You must be a permanent resident or U.S. citizen at the time of application. Students currently enrolled in a community college should consider transfer to a four-year college or university to complete the requirements for the Bachelor's Degree prior to application to the School.

**Pre-Requisite Coursework for Admission to the Doctor of Pharmacy Program:**

Chemistry 1A, 1B, 7A, 7B, Biology 101-102, English 1A and 1B or 1C, Physiology 31, Physics 3A & 3B or 1A & 1B & 1C, Mathematics 190 & 191 or 160 and 161, Speech 1 or 4, One course from Economics 1 or 2 or 5, One course from Anthropology 2, Psychology 5, or Sociology 101

**Recommended courses:**

Students should have strong oral and written English skills, proficiency in a foreign language, such as Spanish, and upper division courses in biochemistry, physiology and cellular and molecular biology. Introductory science courses for non-science majors are not acceptable. For additional information, please view the following website <http://pharmacy@ucsd.edu>

**USEFUL LINK**

American Association of Colleges of Pharmacy: <http://www.aacp.org>