



**SANTIAGO  
CANYON  
COLLEGE**

**Articulation Office**

## **PRE-PHARMACY**

### **Transfer Major Advisement**

This guide sheet is based upon university course articulation and catalog information at the time of publication. **Note that students are responsible for the current major requirements upon transfer to the university.** It is advisable to consult with a counselor once a semester for any changes that may occur. Please call (714) 628-4800 to schedule an appointment.

Pharmacy admission requirements will vary by school. Students are advised to contact Pharmacy schools for specific requirements. A Bachelor's degree is not always required, but in recent years admission has been extremely competitive and most students enter with a bachelor degree.

#### **UC Irvine**

##### **B. S. Pharmaceutical Sciences**

Transfer students should apply as Biological Science majors. All applicants must complete one year of general chemistry with a B or better and have accumulative GPA of 3.0 or higher. Transfer students are advised to complete as many lower division courses as possible prior to transfer.

##### **Lower –division courses:**

BIOL 211 and 212 **or** 214

CHEM 219, 229, 249, 259

MATH (180 and 185) **or** (180 and 219)

PHYS (210 and 211) **or** (217 and 227) **or** (217 and 237)

#### **UC SAN DIEGO**

##### **B.S. Pharmacological Chemistry/**

##### **UC San Diego- Pharm D(Skaggs School of Pharmacy and Pharmaceutical Sciences.)**

The Pharmacological Chemistry major provides a strong background in chemistry and includes most courses required by pharmacy schools. The major is intended primarily for preparation for Pharmacy school (Pharm. D). Students fulfilling their elective requirements with appropriate courses would be prepared for graduate school to obtain a Ph.D in Pharmacology, Biochemistry or other areas of science. Degree recipients would also be prepared for other professional schools in the health care field, or for jobs in the biotechnology and chemical industries.

##### **Lower –division courses:**

BIOL 211, 212, 214

CHEM 219, 229, 249\*, 259\*

MATH 180, 185, 280, 295

PHYS 217, 227

ECON 120 **or** 121

\*Transfer students are strongly advised to complete as many preparatory courses as possible. Students should not complete organic chemistry until they have completed all other preparatory courses.

#### **UC SAN DIEGO- / Pharm.D**

Students are strongly encouraged to complete the requirements for the Bachelor's Degree (B.A. or B.S.) prior to matriculation to the Skaggs School of Pharmacy and Pharmaceutical Sciences. Applicants who have not earned a degree or who will not have earned one prior to the start of classes in the fall, will only be considered if they have exceptional academic performance and evidence of outstanding leadership potential. *For more information visit:*

<http://pharmacy.ucsd.edu/admissions.shtml>

#### **UC SAN FRANCISCO-Pharm D**

Eligible applicants must have a minimum, cumulative undergraduate GPA of 2.80. A bachelor's degree is not required, only the pre-pharmacy requirements are required. However a degree can make an applicant more competitive for admission, and in recent years a large majority of the successful applicants have held bachelor's degrees. Entrance examinations such as the P.C.A.T or G.R.E. are not required. *For more information visit:*

<http://pharmacy.ucsf.edu/pharmd/admissions>

##### ***Required Lower-Division Pre-Pharmacy courses for UCSF and UCSD***

CHEM 219,229, 249, 259

BIOL 211, 212, \*249

PHYS 210 **or** 217

PHYS 211 **or** 227

MATH 180, 185

ENGL 101 and 102 **or** 103

##### ***Additional Requirements:***

**18 semester units of Humanities/Social Science must include the following three courses:**

COMM 110 **or** 111

ECON 120 **or** 121

ANTH 100 **or** PSYCH 100 **or** SOC 100

## **UNIVERSITY OF SOUTHERN CALIFORNIA** **Pharm.D**

A minimum of 90 semester or 135 quarter units must be completed prior to entrance, with a 3.0 cumulative GPA. All courses must be completed with grades of C or higher. Grades of Pass/No Pass will not be accepted (unless a course is offered only on a Pass/No Pass basis). Candidates who have received or will receive a baccalaureate degree or who have completed units in excess of the minimum required will be considered more favorably than applicants who have fulfilled only minimum requirements. USC recommends that most of the pre-requisite courses be taken at a four year school. *For more information visit:*

<http://www.usc.edu/assets/pharmacy/equiv/>

### ***Required Lower-Division Pre-Pharmacy courses:***

MATH 180, 219  
CHEM 219, 229,249, 259  
BIOL 211, 212, (139 or 229), 249  
PHYS (210 and 211) **or** (279 and 289) **or** (217 and 227)  
ENGL 101 and 102 **or** 103  
COMM 100  
PSYCH 100 **or** SOC 100  
ECON 120 **or** 121

### ***Additional General Education Requirements: Social and Behavioral Sciences***

Students who have earned or will earn a baccalaureate degree in the U.S. before beginning the Pharm.D program and meet the prerequisites described above (including introduction to psychology or introduction to sociology and micro- or macro-economics) will have fulfilled the requirements for social and behavioral sciences.

Students who will not have earned a baccalaureate degree before beginning the Pharm.D. program must complete an additional 2 semesters/3 quarters of courses in the social and behavioral sciences.

Recommended areas include anthropology, psychology, psychobiology, economics, geography, and sociology.

### **Humanities**

Students who have earned or will earn a baccalaureate degree in the U.S. before beginning the Pharm.D. program and meet the prerequisites above will have fulfilled the requirements for Humanities. Students who will not earn a baccalaureate degree before beginning the Pharm.D. program must complete 2 semesters/3 quarters of courses in literature, philosophy, history, ethics, foreign language, art history, or music history. Studio or performance classes in art and music are not acceptable.

**Admission is competitive and is based on all aspects of the application in addition to your**

**grade point average. This includes science grades, curriculum, recommendations, essays, and interview results.**

## **WESTERN UNIVERSITY OF HEALTH SCIENCES- Pharm. D**

Applicants with a minimum of two years of pre-pharmacy study at an accredited college (60 academic semester hours or 90 quarter hours) will be considered. Preference will be given to candidates who have earned a Bachelor's degree. The minimum cumulative pre-pharmacy and science grade point average (GPA) requirement is 2.5 at the time of application. For more information visit:

[http://www.westernu.edu/xp/edu/pharmacy/pharmd\\_about.xml](http://www.westernu.edu/xp/edu/pharmacy/pharmd_about.xml)

### ***Pre-requisite courses:***

BIOL (139 or 229), 239, 249  
MATH 180  
ENG 101 or 102 or 103  
CHEM 219, 229, 249, 259  
COMM 100 or 110

January 2009