

California State University, Northridge

Pharmacy School Prerequisites

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Eucalyptus Hall, Room 2133B

California State University Northridge

Pre-Health Curriculum

There are currently eight pharmacy schools in California. This list is a compilation of prerequisites for all eight of these schools. For more information on Pharmacy schools, please see www.aacp.org. Please see one of the Pre-Pharmacy advisors for more information regarding preparation for and applying to Pharmacy school.

Call 818 677-7305 for an appointment with

Dr. Terri Richardson, M.D.

Call 818 677-3356 for an appointment with Dr. Daisy Kuhn, Ph.D.

Pre-Pharmacy Curriculum		
ALL PREREQUISITES MUST BE COMPLETED WITH A "C" OR HIGHER!		
CSUN Course #	Course Name	Units
Biol 106/L, Biol 107/L	Biological Principles I, II with Lab	8
Chem 101/L, Chem 102/L	General Chemistry I, II with Lab	10
Chem 333/L, Chem 334/L	Principles of Organic Chemistry I, II	8
Chem 464	Principles of Biochemistry (some Pharmacy schools require Biochemistry. Lab is not required.)	3/1 lec/lab
Phys 100A/100AL, 100B/100BL	General Physics I, II with Lab	8
Math 150A, 150B We no longer suggest 255A. Many schools want 4 - 5 units of Calculus at a minimum.	Calculus I, II WESTERN UNIV NO LONGER ACCEPTS 255A, YOU MUST TAKE 150A! (only UCSF and UCSD require 2 sem of Calc) (If you have taken 255A, you must take 150A. Math Dept will not allow you to take 150B.)	5-10
Math 140	Introductory Statistics	4
Engl, AAS, PAS, or CH S 155	Freshman Composition SOME SCHOOLS REQUIRE COMPOSITION CLASS BE TAKEN IN THE ENGLISH DEPARTMENT ONLY!	3
Second English Course	SEE TABLE !!	3
Psy 150	Principles of Human Behavior	3
Biol 281/282	Human Physiology with Lab	4
Biol 310/L**	Human Anatomy with Lab	4
Biol 315/L**	Principles of Microbiology and Lab	4
Biol 380	Cell Biology (no lab required)	3
Econ 160 or 161	Economics (Macro- or Micro-)	3
COMS 151/L	Public Speaking	3

**There are Lower Division Anatomy (211/212) and Microbiology (215/L) courses at CSUN. Although some Pharmacy schools may accept them (including USC AND WESTERN), you cannot use 211/212 and 215/L for credit toward a Biology Degree. That is why we suggest 310/L and 315/L, both of which CAN be used as credit toward a BA Biology Degree. 1/09 Richardson

SCROLL DOWN FOR PREREQUISITES IN TABLE FORMAT!

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PREREQUISITES	Western	Touro	Loma Linda	UOP	UCSF	UCSD	USC	CNS
1 year Biology with Lab			8u With lab	106/L, 107/L	106/L, 107/L		106/L, 107/L	106/L, 107/L
1 year Gen Chem with Lab	101/L, 102/L	101/L, 102/L	8u With lab	101/L, 102/L	101/L, 102/L		101/L, 102/L	101/L, 102/L
1 year O Chem with Lab	333/L, 334/L	333/L, 334/L OR 4u Org Chem AND Biochem (see below)	8u With lab	333/L, 334/L	333/L, 334/L		333/L, 334/L	333/L, 334/L
Biochemistry	1 yr Biochem (461&462) or Biochem & Cell Bio (464 & Bio 380)	4u Biochem (only req'd if student has only taken 1 semester of Org Chem) (464/L=4u)	3u No lab required (464)				461, 462, or 464 (one course)	1 semester Biochem (no lab req'd) OR Molec/Cell Bio (360/380)
1 year Physics with Lab			8u With lab (100A/L, 100B/L)	1 semester with lab	100A/L, 100B/L Calculus-Based Physics recommended but not required!		100A/L, 100B/L (or Calculus – Based)	1 semester with lab
Human Physiology with Lab	281/282	Must be 4u (281/282)			281 (3u) (lab not req'd)		281/282	Anatomy OR Physiology with Lab
Human Anatomy with Lab	211/212 or 310/L	Must be 4u (310/L!!)	3u No lab required					
Microbiology with Lab	215 or 315/L (Med Micro Preferred)	Must be 4u (215/L or 315/L)	3u No lab required	215 or 315 (lab recommend Not req'd)			215/L or 315/L	215/L or 315/L
Calculus I	MUST BE 150A!	3 units (255A)	4u (150A)	150A, 255A	150A or 255A 6u total Calc req'd		255A	1 semester
Calculus II					150B or 255B			
Statistics							Math 140, HSCI 390/L	
Public Speaking	COMS 151/L or 451		3u	PAS 151 OR CHS 151 OR COMS 151/L	PAS 151, CHS 151 OR COMS 151/L		COMS 151/L	1 semester
English Composition	Pick Two: Engl 155, 208, 305, 306, CHS 155 PAS 155, PHIL 200		6u 155 & 255	Pick Two: Engl 155, 255, 275, 305, 311 AAS 155 CH S 155 PAS 155	155 & 255		Engl 155, 255, or 305	6u of English 155, 255 are ok
2 nd English course (Lit/Comp)			Waived if you have degree at time of entrance					
Social & Behavioral Sciences	Website doesn't say, need 3 u (Psych 150?)		Psych 150 ***	Psych 150 ***	Psych 150, Soc 150, or Anth 152 (plus 9u of Soc Sci)		Psych 150 or Soc 150	Psych 150
Economics	Website doesn't say which		161 or 300	160 or 161 +++	160 or 161		160 or 161	micro/macro
Misc			Upper division Biology recommended		18u Social Science electives	12u Social Science electives	Molecular Bio (360 or 380)	

***Loma Linda, UOP and USC: Many additional units of Humanities/Social Science/Behavioral Science are required if you will NOT have a Bachelor's Degree completed from a university within the United States by the time you begin Pharmacy School. +++ At UOP, you MUST take Microeconomics unless you WILL have a Bachelors Degree by the time of entry to Pharmacy School. If you will have degree, then you can choose 160 OR 161.