

Pre-Pharmacy Course Requirements

English	Math	Chemistry	Physics	Biology	Other
90*** (3)	90*** (5)				
98*** (4)	110*** (5)			120* (4) (Math 90 pre-req)	*Comm.122 (public speaking) req. by <u>most</u> pharmacy schools
110** (3)	170** (3)+175*(4) <u>or</u> 176* (6) <u>or</u> 178* (4) + courses in a four year college	120** (4) Math 110 pre- req.	Physics 110* (recommended if no previous high school or other course in physics)	210/211-212* (3) (1+1)	*Econ. 120 or 121 (macro or micro economics) req. by <u>most</u> pharmacy schools
120* (3)	180* (5)	141* (5) (Chem. 120 is pre-req. for Chem. 141)	<i>Option 1:</i> 140* (4) Prereq. Is Math 180, <u>or</u> concurr. enrollment + 240*(4) & 241*(4) Math 280 & 281 prereq		**Comm. 120 (interpersonal comm.) req. by <u>some</u> pharm. schools (e.g., USC)
124* (3) (Start here if AP English score is 3 or higher)	280* (4)	142* (5)	<i>Option 2:</i> 130* (4) Math 178 or 180 or conc. + 131*(4) Math 178 or 180	220/221* (3+1) “C” or higher in Chem. 141 is pre- requisite	*Psych 120 (or similar course) req. by <u>some</u> pharm. schools (e.g., USC & U. of Pacific)
	281* (4)	231* (5)		215* Possible alternative to Math 160; check w/ pharm. schools	
	160* req. by <u>some</u> pharmacy schools; Math 103 or 110 is pre-req.	232* (5)		*(140, 141, & 142) req. by <u>some</u> pharmacy schools	
Spanish	is	strongly	recommended		

Be sure to check pre-requisites before enrolling in any Grossmont course. Numbers in **bold print** are courses required by virtually all pharmacy schools. Pharmacy schools also recommend completion of upper division university courses in biochemistry. Some pharmacy schools admit students with at least two or three full-time years of college; however, a high percentage of entering pharmacy students have completed a bachelor’s degree and have extensive related experience. The Transfer Center’s reference copy of the *Pharmacy School Admission Requirements* directory includes specific course requirements for each pharmacy school in the U.S., as well as their GPA and other requirements for admission.

Placement into English, Math and Chemistry courses depends upon results of assessment tests, AP credit, or previous college coursework. Even with AP credit in calculus, completion of Math 180, 280 and 281, (or 178 and advanced courses at UC or CSU) is recommended. Check with pharmacy schools to determine if they will allow substitution of Math 160, or Bio. 215, in place of Math 281 (some pharmacy schools allow this substitution option).

Students receiving an A in high school honors biology, or an AP Biology score of 4 or 5, don’t need Biology 120. Chem. 120, or appropriate placement on the Chemistry Assessment, is pre-requisite for Chem. 141. Physics *Option 2* is less rigorous than Physics *Option 1*; and is a good option for biology and non-science majors. Most Chemistry majors at four-year colleges require Physics *Option 1*, which requires Math through 281.

*** non-transferable to CSU and UC

** transferable to CSU only

* transferable to CSU and UC