

PRE-MED COURSE REQUIREMENTS

English	Math	Chemistry	Physics	Biology
90*** (3)	90*** (5)			
98*** (4)	110*** (5)			120* (4) (Math 90 pre-req)
110** (3)	170** (3)+175*(4) or 176* (6) or 178 (4) + <i>courses in a four year college</i>	120** (4) Math 110 pre-req.	Physics 110* (recommended if no previous high school course in physics)	240* (5) Pre-req Math 110
120* (3)	180 (5)	141* (5) (Chem. 120 is pre-req. for Chem. 141)	<i>Option 1:</i> 140* (4) Math 180, or concurr. + 240* (4) & 241* (4) Math 280 & 281 prereq	
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	230* (4)) C or higher in Chem. 141 is pre-req
	281* (4) Or Math 160 for some bio majors at UCSD	231* (5)		215* (3) req by SDSU Bio major; Math 110 pre-req.
		232* (5) can take at 4 yr university		
<i>Spanish</i>	<i>is</i>	<i>strongly</i>	<i>recommended</i>	

Numbers in **bold print** are courses required by all U.S. medical schools. These are also the courses that **prepare students for the MCAT (Medical College Admission Test)**. These courses are also **major pre-requisites for most biology majors** at four-year colleges and universities. *Be sure to check pre-requisites before enrolling in any Grossmont course.*

Placement into English, Math and Chemistry courses depends upon results of assessment tests, AP credit, or previous college coursework. Medical schools allow substitution of Math 160 or Bio. 215 in place of Math 281.

Students receiving an A in high school honors biology, or an AP Biology score of 4 or 5, don't need Biology 120. Students with no background in biology are encouraged to take Biology 120. Chem. 120 is pre-requisite for Chem. 141. Completing Chem. 231 at Grossmont before transferring to a four-year college is helpful, as many upper division biology courses require the first course in Organic Chemistry (Chem. 231). Physics *Option 2* is less rigorous than Physics *Option 1*; and *Option 2* is a good option for non-physics and non-engineering majors, and especially for biology majors, and for students choosing to take Math 160 or Bio. 215 in place of Math 281.

Medical schools also recommend completion of upper division university courses in genetics, biochemistry, and physiology, even if you decide to major in a non-science field after you transfer to a four-year college or university. Courses in the chart above are also typically required by other health profession schools, e.g., dentistry, pharmacy, veterinary medicine, and optometry.

*** non-transferable to CSU and UC

** transferable to CSU only

* transferable to CSU and UC