

## 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) <u>or</u> 176* (6) <u>or</u> <b>178 (4) + courses in a four year college</b>	120** (4)  Math 110 pre-req.		<b>210/211-212*</b> (3) (1+1)
<b>120*</b> (3)	<b>180</b> (5)	<b>141*</b> (5)  (Chem. 120 is pre-req. for Chem. 141)	<i>Option 1:</i> <b>140*</b> (4) Math 180, <u>or</u> concurr. + <b>240</b> *(4) & <b>241*</b> (4) Math 280 & 281 prereq	
<b>124*</b> (3) (Start here if AP English score is 3 or higher)	<b>280*</b> (4)	<b>142*</b> (5)	<i>Option 2:</i> <b>130*</b> (4) Math 178 or 180 or conc. + <b>131*</b> (4) Math 178 or 180	<b>220/221*</b> (3+1)  C or higher in Chem. 141 is pre-req
	<b>281*</b> (4)	<b>231*</b> (5)		215* (3) recom. by many med schools; Math 110 pre-req.
		<b>232*</b> (5)		
<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. Even with AP credit in calculus, either completion of Math 180, 280 and 281, (or 178 and advanced courses at UC or CSU) is recommended. 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. Chem. 120 is pre-requisite for Chem. 141. Completing Chem. 231 (& if possible, Chem. 232) at Grossmont before transferring to a four-year college is helpful, as many upper division biology courses require Organic Chemistry (Chem. 231 and 232). Physics *Option 2* is less rigorous than Physics *Option 1*; and is a good option for non-physics and non-engineering 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