

Note that this is a "Typical Program." Actual programs will vary. See the Academic Catalog for official details.

CHEMISTRY B.S. DEGREE
Pre-Med Program

Advisor: Dr. Nalliah

Fall 2011			Spring 2012		
<u>CH 161:</u>	<u>Principles of Chemistry I</u> ²	4	<u>CH 162:</u>	<u>Principles of Chemistry II</u> ²	4
<u>MA 171:</u>	<u>Analytic Geom & Calculus I</u> ^{1, 2}	4	<u>MA 172:</u>	<u>Analytic Geom & Calculus II</u> ^{1, 2}	4
HS 115:	Hist Persp on Cult & Civ I	3	BI 161:	Cell Biology ²	4
EN 121:	Academic Writing and Research	3	HS 116:	Hist Persp on Cult & Civ II	3
115:	Introduction to AR/MU/TH	2	PE 110:	Introduction to Physical Wellness	1
total 16			total 16		
Fall 2012			Spring 2013		
<u>CH 263:</u>	<u>Organic Chemistry I</u> ²	4	<u>CH 264:</u>	<u>Organic Chemistry II</u> ²	4
<u>MA 273:</u>	<u>Analytic Geom & Calculus III</u>	4	<u>PH 212:</u>	<u>Principles of Physics II</u> ²	4
<u>PH 211:</u>	<u>Principles of Physics I</u> ²	4	BR 111:	Biblical History and Literature	3
EN 151:	Perspectives on Literature	3	PE 111:	Physical Education Activities	1
	Creative Studio Arts	1		Core Curriculum Social Science	3
total 16			total 15		
Fall 2013			Spring 2014		
* <u>CH 331:</u>	<u>Quantitative Analysis</u>	4	* <u>CH 333:</u>	<u>Instrumental Analysis</u>	4
* <u>CH 411:</u>	<u>Biochemistry</u> ²	3	* <u>PH 261:</u>	<u>Analog and Digital Electronics</u>	2
* <u>CH 451:</u>	<u>Seminar in Chemistry</u>	1	* <u>BI 342:</u>	<u>Human Physiology</u> ^{2, 3}	4
BI__:	Biology Elective ²	4	* <u>BI 371:</u>	<u>Comparative Embryology</u> ^{2, 3}	4
CO 215:	Public Speaking	3		Core Curriculum Social Science	3
total 15			total 17		
Fall 2014			Spring 2015		
* <u>CH 361:</u>	<u>Physical Chemistry I</u>	3	* <u>CH 371:</u>	<u>Physical Chemistry II</u>	4
* <u>CH 441:</u>	<u>Adv Inorganic Chemistry</u>	3	* <u>BI 222:</u>	<u>Zoology</u> ²	4
<u>CH 490:</u>	<u>Independent Study</u> ⁴	1-2	* <u>BI 432:</u>	<u>General Microbiology</u> ^{2, 3}	4
* <u>BI 321:</u>	<u>Genetics</u> ²	4	BR__:	Bible Elective [300 + level]	3
MI 285:	Core Curriculum Christian Faith	3			
PL__:	Introduction to Philosophy/Ethics	3			
total 17-18			total 15		

NOTES:

1. Chemistry majors not yet placing into MA 171/172 should take MA 141 in the Spring of the freshman year (*see mathematics placement policy in Catalog under Academic Information*).
2. The minimum courses recommended for preparation for medical, dental, optometry, or veterinary school and for the appropriate standardized admission test include BI 161/L, 222/L, 321/L, 342/L; CH 161/L, 162/L, 263/L, 264/L; PH 211/L, 212/L; and MA 151 or 171. Additional recommended courses include BI 241/L, 242/L, 371/L, 432/L; CH 411; and MA 171 and 172 (*see Degrees and Programs, Pre-Medical Study in Catalog*).
3. Pre-Med students may substitute an upper level biology course for MA 371.
4. Chemistry majors must complete an internship in chemical research for graduation. CH 490 should be taken during the summer before the student's senior year. It is imperative that the student apply to summer programs in the winter of the junior year, at the latest. Application in the sophomore year is encouraged.