

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

CHEMISTRY B.S. DEGREE
Biochemistry Track

Advisor: Drs. Nalliah and Troyer

Fall 2013		Spring 2014			
CH 161:	<u>Principles of Chemistry I</u>	4	BI 161:	<u>Cell Biology</u>	4
MA 171:	<u>Analytic Geometry & Calculus I</u> ¹	4	CH 162:	<u>Principles of Chemistry II</u>	4
HS 115:	Hist Persp on Cult & Civ I	3	MA 172:	<u>Analytic Geometry & Calculus II</u> ¹	4
EN 121:	Academic Writing and Research	3	HS 116:	Hist Persp on Cult & Civ II	3
PE 110:	Introduction to Physical Wellness	1			
	total	15		total	15
Fall 2014		Spring 2015			
* BI 321:	<u>Genetics</u>	4	CH 264:	<u>Organic Chemistry II</u>	4
CH 263:	<u>Organic Chemistry I</u>	4	PH 212:	<u>Principles of Physics II</u>	4
PH 211:	<u>Principles of Physics I</u>	4	BR 111:	Biblical History and Literature	3
EN 151:	Perspectives on Literature	3	115:	Introduction to AR/MU/TH	2
				Core Curriculum Social Science	3
	total	15		total	16
Fall 2015		Spring 2016			
* BI 462:	<u>Adv Cell & Molecular Biology</u>	4	* CH 333:	<u>Instrumental Analysis</u>	4
* CH 331:	<u>Quantitative Analysis</u>	4	MI 285:	Core Curriculum Christian Faith	3
* CH 411:	<u>Biochemistry</u>	3	PL____:	Introduction to Philosophy/Ethics	3
* CH 451:	<u>Seminar in Chemistry</u>	1		Creative Studio Arts	1
CO 215:	Public Speaking	3		Electives	5
	total	15		total	16
Fall 2016		Spring 2017			
* CH 361:	<u>Physical Chemistry I</u>	4	* CH 371:	<u>Physical Chemistry II</u>	4
* CH 441:	<u>Advanced Inorganic Chemistry</u>	3	BR____:	Bible Elective [300+ level]	3
CH 490:	<u>Undergraduate Research</u> ²	1-2		Core Curriculum Social Science	3
PE 111:	Physical Education Activities	1		Electives	5
	Elective [300+ level] ³	3			
	Elective	3			
	total	15-16		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. Chemistry majors must complete 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.
3. Majors must be careful in selection of electives so that a sufficient number of upper division courses are taken. A minimum of 36 hours of 300+ courses is required for graduation.

*Indicates alternating year course.

Underlining indicates required for major.