

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

BIOLOGY B.S. DEGREE
Pre-Med Program

Advisor: Dr. Evans

Fall 2009		Spring 2010		
BI 141:	Freshman Biology Seminar ³	2	<u>BI 161:</u> <u>Cell Biology</u>	4
CH 161:	<u>Principles of Chemistry I</u>	4	<u>CH 162:</u> <u>Principles of Chemistry II</u>	4
HS 115:	Hist Persp on Cult & Civ I	3	HS 116: Hist Persp on Cult & Civ II	3
EN 121:	Academic Writing and Research	3	EN 151: Perspectives on Literature	3
BR 111:	Biblical History and Literature	3	Core Curriculum Social Science	3
PE 110:	Introduction to Physical Wellness	1		
SS 111:	University Life ²	.5		
total		16.5	total	
			17	
Fall 2010		Spring 2011		
<u>CH 263:</u>	<u>Organic Chemistry I</u>	4	<u>CH 264:</u> <u>Organic Chemistry II</u>	4
<u>BI 241:</u>	<u>Human Anatomy & Phys I</u> ^{5,6}	4	<u>PH 212:</u> <u>Principles of Physics II</u>	4
<u>MA 171:</u>	<u>Analytical Geometry & Calc I</u> ^{4,5}	4	BI 242: Human Anatomy & Phys II ⁵	4
<u>PH 211:</u>	<u>Principles of Physics I</u>	4	MA 172: Analytical Geometry & Calc II ⁵	4
			PE 111: Physical Education Activities	1
total		16	total	
			17	
Fall 2011		Spring 2012		
* <u>BI 261:</u>	<u>Botany</u>	4	* <u>BI 342:</u> <u>Human Physiology</u> ^{5,6}	4
* <u>BI 371:</u>	<u>Comparative Embryology</u> ^{5,6}	4	* <u>BI 362:</u> <u>Plant Physiology</u>	4
* CH 411:	Biochemistry ⁵	3	* <u>BI 451:</u> <u>Seminar in Biology</u>	2
MI 285:	Core Curriculum Christian Faith	3	PL____: Introduction to Philosophy/Ethics	3
115:	Introduction to AR/MU/TH	2	Elective [300+ level] ⁷	2
total		16	total	
			15	
Fall 2012		Spring 2013		
* <u>BI 321:</u>	<u>Genetics</u>	4	* <u>BI 222:</u> <u>Zoology</u>	4
* <u>ES 211:</u>	<u>Environmental Resources</u>	4	* <u>BI 432:</u> <u>Microbiology</u> ^{5,6,7}	4
CAP475:	Capstone Seminar	2	* <u>BI 461:</u> <u>Introduction to Neuroscience</u> ^{5,6}	3
CO 215:	Public Speaking	3	BR____: Bible Elective [300+ level]	3
	Core Curriculum Social Science	3	Creative Studio Arts	1
total		16	total	
			15	

NOTES:

1. Biology majors must demonstrate satisfactory mathematics placement scores prior to enrolling in their intended chemistry, mathematics or physics courses (*see mathematics placement policy in Catalog under Academic Information*).
2. SS 111 is required in the fall semester of the freshman year for first-time freshman only.
3. BI 141 Freshman Biology Seminar is strongly recommended.
4. Either MA 151 or MA 171 will fulfill the mathematics requirement.
5. 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, BI 242/L, BI 371/L, BI 432/L, BI 461; CH 411; and MA 171 and 172.
6. Sixteen additional hours required from biology and environmental science, including at least two courses from BI 342/L, 371/L, 422/L, 432/L, and 461.
7. 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.