

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

BIOLOGY B.S. DEGREE**Advisor: Dr. Evans****Pre-Med Program**

Fall 2016			Spring 2017		
<u>BI 141:</u>	<u>Freshman Biology Seminar</u> ^{2,5}	1	<u>BI 161:</u>	<u>Cell Biology</u> ⁴	4
<u>CH 161:</u>	<u>Principles of Chemistry I</u> ⁴	4	<u>CH 162:</u>	<u>Principles of Chemistry II</u> ⁴	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	115:	Introduction to AR/DM/MU/TH	2
EX 101:	Wellness for Life	2			
total 16			total 16		
Fall 2017			Spring 2018		
<u>CH 263:</u>	<u>Organic Chemistry I</u> ⁴	4	<u>CH 264:</u>	<u>Organic Chemistry II</u> ⁴	4
<u>BI 241:</u>	<u>Human Anatomy & Phys I</u> ^{4,5}	4	<u>PH 212:</u>	<u>Principles of Physics II</u> ⁴	4
<u>MA 171:</u>	<u>Analytic Geometry & Calc I</u> ^{3,4}	4	<u>BI 242:</u>	<u>Human Anatomy & Phys II</u> ⁴	4
<u>PH 211:</u>	<u>Principles of Physics I</u> ⁴	4	<u>MA 172:</u>	<u>Analytic Geometry & Calc II</u> ⁴	4
total 16			total 16		
Fall 2018			Spring 2019		
* <u>BI 321:</u>	<u>Genetics</u> ⁴	4	* <u>BI 222:</u>	<u>Zoology</u> ⁴	4
* <u>ES 211:</u>	<u>Environmental Resources</u>	4	* <u>BI 432:</u>	<u>General Microbiology</u> ^{4,5}	4
MI 285:	Core Curriculum Christian Faith	3	CO 215:	Public Speaking	3
PL____:	Introduction to Philosophy/Ethics	3	PY 111:	Introduction to Psychology ⁴	3
SO 111:	Principles of Sociology ⁴	3		Creative Studio Arts	1
total 17			total 15		
Fall 2019			Spring 2020		
* <u>BI 261:</u>	<u>Botany</u>	4	* <u>BI 342:</u>	<u>Human Physiology</u> ^{4,5}	4
* <u>BI 462:</u>	<u>Adv Cell & Molecular Biology</u> ⁵	4	* <u>BI 371:</u>	<u>Comparative Embryology</u> ^{4,5}	4
* <u>CH 411:</u>	<u>Biochemistry</u> ⁴	3	* <u>BI 451:</u>	<u>Seminar in Biology</u>	1
	Elective [300 + level] ⁶	3	BR____:	Bible Elective [300+ level]	3
				Elective [300 + level] ⁶	3
total 15			total 15		

NOTES:

- 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*).
- BI 141 Freshman Biology Seminar is not required but is strongly recommended.
- Either MA 151 or MA 171 will fulfill the mathematics requirement.
- 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; CH 411; and MA 171 and 172. (CH 411, PY 111 and SO 111 are now required for medical school admission at some schools, including Indiana University.)
- Twenty-one additional hours required from biology and environmental science, including at least three courses from BI 342/L, 371/L, 375, 422/L, 432/L and 462/L.
- 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.