

Huntington University

Guide to Typical Programs, 2023-2027

Biology Pre-Med (B.S. Degree)

Advisor: Dr. Evans

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

Fall 2023			Spring 2024			Summer 2024		
<u>BI 141:</u>	<u>Freshman Biology Seminar</u> ^{2,6}	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			
BT ____:	Introductory Bible	3	EN 151:	Perspectives on Literature	3			
EN 121:	Academic Writing & Research	3	HS 116:	Hist Persp on Cult & Civ II	3			
EX 101:	Wellness for Life	2	PY 111:	Introduction to Psychology ⁵	3			
HS 115:	Hist Persp on Cult & Civ I	3						
SS 111:	First-Year Seminar	1						
	total	17		total	17			total
Fall 2024			Spring 2025			Summer 2025		
<u>BI 241:</u>	<u>Human Anatomy & Phys I</u> ^{4,6}	4	* <u>BI 222:</u>	<u>Zoology</u> ⁴	4			
* <u>BI 321:</u>	<u>Genetics</u> ⁴	4	<u>CH 264:</u>	<u>Organic Chemistry II</u> ⁴	4			
<u>CH 263:</u>	<u>Organic Chemistry I</u> ⁴	4	<u>PH 212:</u>	<u>Principles of Physics II</u> ⁴	4			
<u>PH 211:</u>	<u>Principles of Physics I</u> ⁴	4	<u>BI 242:</u>	<u>Human Anatomy & Phys II</u> ⁴	4			
	total	16		total	16			total
Fall 2025			Spring 2026			Summer 2026		
* <u>BI 261:</u>	<u>Botany</u>	4	* <u>BI 342:</u>	<u>Human Physiology</u> ^{4,6}	4			
* <u>BI 462:</u>	<u>Adv Cell & Molec Biology</u> ⁶	4	* <u>BI 371:</u>	<u>Comparative Embryology</u> ^{4,6}	4			
<u>MA 171:</u>	<u>Calculus I</u> ^{3,4}	4	* <u>BI 451:</u>	<u>Seminar in Biology</u>	1			
SO 111:	Principles of Sociology ⁵	3	* <u>ES 211:</u>	<u>Environmental Resources</u>	4			
	Creative Studio Arts	1	<u>MA 172:</u>	<u>Calculus II</u> ⁴	4			
	total	16		total	17			total
Fall 2026			Spring 2027			Summer 2027		
<u>CH 411:</u>	<u>Biochemistry</u> ⁵	3	* <u>BI 432:</u>	<u>General Microbiology</u> ^{4,6}	4			
MI 285:	Understand the Christian Faith	3	BT ____:	Bible Elective [300+ level]	3			
PL ____:	Intro to Philosophy/Ethics	3	CO 215:	Public Speaking	3			
	Elective [300 + level] ⁷	6	115:	Intro to AR/DM/MU/TH	2			
	total	16		Elective [300 + level] ⁷	3			total
				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, or optometry 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 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.