

# Huntington University

## Guide to Typical Programs, 2020-2024

# 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 2020	J-Term 2021	Spring 2021	Summer 2021
<u>BI 141:</u> Freshman Biology Seminar <sup>2,6</sup> 1 <u>CH 161:</u> Principles of Chemistry I <sup>4</sup> 4 HS 115: Hist Persp on Cult & Civ I 3 EN 121: Academic Writing & Research 3 BT ____: Introductory Bible 3 EX 101: Wellness for Life 2 <b>total 16</b>	Required J-Term 2 <b>total 2</b>	<u>BI 161:</u> Cell Biology <sup>4</sup> 4 <u>CH 162:</u> Principles of Chemistry II <sup>4</sup> 4 HS 116: Hist Persp on Cult & Civ II 3 EN 151: Perspectives on Literature 3 PY 111: Introduction to Psychology <sup>5</sup> 3 <b>total 17</b>	<b>total</b>
Fall 2021	J-Term 2022	Spring 2022	Summer 2022
<u>BI 241:</u> Human Anatomy & Phys I <sup>4,6</sup> 4 * <u>BI 261:</u> Botany 4 <u>CH 263:</u> Organic Chemistry I <sup>4</sup> 4 <u>PH 211:</u> Principles of Physics I <sup>4</sup> 4 <b>total 16</b>	Required J-Term 2 <b>total 2</b>	<u>CH 264:</u> Organic Chemistry II <sup>4</sup> 4 * <u>ES 211:</u> Environmental Resources 4 <u>PH 212:</u> Principles of Physics II <sup>4</sup> 4 <u>BI 242:</u> Human Anatomy & Phys II <sup>4</sup> 4 <b>total 16</b>	<b>total</b>
Fall 2022	J-Term 2023	Spring 2023	Summer 2023
* <u>BI 321:</u> Genetics <sup>4</sup> 4 <u>MA 171:</u> Calculus I <sup>3,4</sup> 4 <u>CH 411:</u> Biochemistry <sup>5</sup> 3 SO 111: Principles of Sociology <sup>5</sup> 3 115: Intro to AR/DM/MU/TH 2 <b>total 16</b>	Required J-Term 2 <b>total 2</b>	* <u>BI 222:</u> Zoology <sup>4</sup> 4 * <u>BI 432:</u> General Microbiology <sup>4,6</sup> 4 <u>MA 172:</u> Calculus II <sup>4</sup> 4 CO 215: Public Speaking 3 Creative Studio Arts 1 <b>total 16</b>	<b>total</b>
Fall 2023	J-Term 2024	Spring 2024	Summer 2024
* <u>BI 462:</u> Adv Cell & Molec Biology <sup>6</sup> 4 MI 285: Understand the Christian Faith 3 PL ____: Intro to Philosophy/Ethics 3 Elective [300 + level] <sup>7</sup> 6 <b>total 16</b>	<b>total</b>	* <u>BI 342:</u> Human Physiology <sup>4,6</sup> 4 * <u>BI 371:</u> Comparative Embryology <sup>4,6</sup> 4 * <u>BI 451:</u> Seminar in Biology 1 BT ____: Bible Elective [300+ level] 3 Elective [300 + level] <sup>7</sup> 3 <b>total 15</b>	<b>total</b>

### 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 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.