

Huntington University

Guide to Typical Programs, 2020-2024

Chemistry Pre-Med (B.S. Degree)

Biochemistry Track

Advisor: Dr. Nalliah

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
CH 161: <u>Principles of Chemistry I</u> ² 4 MA 171: <u>Calculus I</u> ^{1,2} 4 HS 115: Hist Persp on Cult & Civ I 3 EN 121: Academic Writing & Research 3 EX 101: Wellness for Life 2 total 16	Required J-Term 2 total 2	BI 161: <u>Cell Biology</u> ² 4 CH 162: <u>Principles of Chemistry II</u> ² 4 MA 172: <u>Calculus II</u> ^{1,2} 4 HS 116: Hist Persp on Cult & Civ II 3 total 15	total
Fall 2021	J-Term 2022	Spring 2022	Summer 2022
CH 263: <u>Organic Chemistry I</u> ² 4 PH 211: <u>Principles of Physics I</u> ² 4 EN 151: Perspectives on Literature 3 PY 111: Introduction to Psychology ² 3 Creative Studio Arts 1 total 15	Required J-Term 2 total 2	CH 264: <u>Organic Chemistry II</u> ² 4 PH 212: <u>Principles of Physics II</u> ² 4 BT ____: Introductory Bible 3 CO 215: Public Speaking 3 115: Intro to AR/DM/MU/TH 2 total 16	total
Fall 2022	J-Term 2023	Spring 2023	Summer 2023
* BI 321: <u>Genetics</u> ² 4 * CH 361: <u>Physical Chemistry I</u> 4 CH 411: <u>Biochemistry</u> ² 3 * CH 441: <u>Adv Inorganic Chemistry</u> 3 total 14	Required J-Term 2 total 2	* CH 371: <u>Physical Chemistry II</u> 4 * BI 222: <u>Zoology</u> ² 4 * BI 432: <u>General Microbiology</u> ² 4 SO 111: Principles of Sociology ² 3 total 15	CH 491: <u>Undergraduate Research</u> ³ 1-2 total 1-2
Fall 2023	J-Term 2024	Spring 2024	Summer 2024
* BI 462: <u>Adv Cell & Molec Biology</u> ² 4 * CH 331: <u>Quantitative Analysis</u> 4 * CH 451: <u>Seminar in Chemistry</u> 1 MI 285: Understand the Christian Faith 3 PL____: Intro to Philosophy/Ethics 3 total 15	total	* CH 333: <u>Instrumental Analysis</u> 4 * BI 342: <u>Human Physiology</u> ² 4 * BI 371: <u>Comparative Embryology</u> ² 4 BT____: Bible Elective [300 + level] 3 total 15	total

NOTES:

- 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*).
- In addition to courses required for the chemistry major, 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. Biology courses in italics are recommended but not required for the major. Other recommended courses may include BI 241/L and 242/L (not included in the above plan); 371/L, 432/L, 462/L; PY 111; and SO 111 (*see Degrees and Programs, Pre-Medical Study in Catalog*). The PY 111 and SO 111 courses also fulfill the core social science requirement.
- Chemistry majors must complete chemical research for graduation. CH 491 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.

*Indicates alternating year course.

Underlining indicates required for major.