

Huntington University

Guide to Typical Programs, 2023-2027

Chemistry (B.S. Degree)

Advisor: Dr. Nalliah

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>CH 161: Principles of Chemistry I</u> 4 <u>MA 171: Calculus I</u> ¹ 4 EN 121: Academic Writing & Research 3 HS 115: Hist Persp on Cult & Civ I 3 SS 111: First-Year Seminar 1 <p style="text-align: right;">total 15</p>	<u>CH 162: Principles of Chemistry II</u> 4 <u>MA 172: Calculus II</u> ¹ 4 BI 161: Cell Biology ² 4 HS 116: Hist Persp on Cult & Civ II 3 <p style="text-align: right;">total 15</p>	total
Fall 2024	Spring 2025	Summer 2025
<u>CH 263: Organic Chemistry I</u> 4 <u>MA 273: Calculus III</u> 4 <u>PH 211: Principles of Physics I</u> 4 EN 151: Perspectives on Literature 3 <p style="text-align: right;">total 15</p>	<u>CH 264: Organic Chemistry II</u> 4 <u>PH 212: Principles of Physics II</u> 4 BT ____: Introductory Bible 3 115: Intro to AR/DM/MU/TH 2 Core Curriculum Social Sci 3 <p style="text-align: right;">total 16</p>	total
Fall 2025	Spring 2026	Summer 2026
* <u>CH 331: Quantitative Analysis</u> 4 <u>CH 411 Biochemistry</u> ² 3 * <u>CH 451: Seminar in Chemistry</u> 1 CO 215: Public Speaking 3 MI 285: Understand the Christian Faith 3 <p style="text-align: right;">total 14</p>	* <u>CH 333: Instrumental Analysis</u> 4 * <u>MA 371: Differential Equations</u> 3 EX 101: Wellness for Life 2 PL ____: Intro to Philosophy/Ethics 3 Electives 4 <p style="text-align: right;">total 16</p>	<u>CH 491: Undergraduate Research</u> ³ 1-2 <p style="text-align: right;">total 1-2</p>
Fall 2026	Spring 2027	Summer 2027
* <u>CH 361: Physical Chemistry I</u> 4 * <u>CH 441: Adv Inorganic Chemistry</u> 3 Core Curriculum Social Sci 3 Creative Studio Arts 1 Elective [300+ level] ⁴ 3 <p style="text-align: right;">total 14</p>	* <u>CH 371: Physical Chemistry II</u> 4 * <u>CH 396: Practicum in Instrumentation</u> 1 BT ____: Bible Elective [300+ level] 3 Elective [300+ level] ⁴ 3 Elective 3 <p style="text-align: right;">total 14</p>	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*).
- BI 161 Cell Biology is recommended as an elective. Students may choose to take BI 161 in the Spring of the Freshman, Sophomore, or Junior year depending on the need for early fulfillment of prerequisites for other Biology courses. BI 161 is recommended before CH 411 Biochemistry.
- 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.
- 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.