

# Biochemistry Course Plan

## Catalog Year 2021-2022

### Legend

\* Major Requirement

Must be taken to fulfill major requirements.

† Major Elective

Must be taken to fulfill major requirements, or replaced with an equivalent course.

‡ Gen-Ed Requirement

Must be taken to fulfill general education requirements.

§ Elective

Can be chosen from a selection of courses.

See MyGFU for detailed academic requirements.

### First Year

#### Fall Semester

General Chemistry I (CHEM 211) *	4 credits
Cellular Biology & Genetics (BIOL 211) *	4 credits
Pre-Calculus Mathematics (MATH 190 or higher) *	4 credits
The Bible (THEO 101) ‡	3 credits
<b>Semester Total</b>	<b>15 credits</b>
<b>Cumulative Total</b>	<b>15 credits</b>

#### Spring Semester

General Chemistry II (CHEM 212) *	4 credits
Organisms & Physiological Systems (BIOL 212) *	4 credits
Christianity (THEO 102) ‡	3 credits
Caring for Words (WRIT 111) ‡	3 credits
<b>Semester Total</b>	<b>14 credits</b>
<b>Cumulative Total</b>	<b>29 credits</b>

### Second Year

#### Fall Semester

Organic Chemistry I (CHEM 331) *	4 credits
Math Elective (see catalog) †	4 credits

Communication in Society (COMM 111) ‡	3 credits
Personhood (PSYC 100) ‡	3 credits
Internships: Finding & Landing (CPAS 216 optional/recommended) §	1 credits
<b>Semester Total</b>	<b>15 credits</b>
<b>Cumulative Total</b>	<b>44 credits</b>

## Spring Semester

CHEM/BIOL Elective (see catalog) †	4 credits
Genetics (BIOL 350) *	4 credits
Faith and Story (LITR 111) ‡	3 credits
The Modern and Postmodern World (HIST 111) ‡	3 credits
<b>Semester Total</b>	<b>14 credits</b>
<b>Cumulative Total</b>	<b>58 credits</b>

## Third Year

### Fall Semester

Biochemistry I (CHEM 341) *	4 credits
General Physics I (PHYS 201) *	4 credits
Art and Global Culture (ARTP/V 120) ‡	3 credits
Elective Credits §	4 credits
<b>Semester Total</b>	<b>15 credits</b>
<b>Cumulative Total</b>	<b>73 credits</b>

### Spring Semester

Biochemistry II (CHEM 342) *	4 credits
General Physics II (PHYS 202) *	4 credits
Justice (SSCI 100) ‡	3 credits
Elective Credits §	4 credits
<b>Semester Total</b>	<b>15 credits</b>
<b>Cumulative Total</b>	<b>88 credits</b>

## Fourth Year

### Fall Semester

Quantitative Analysis (CHEM 310) *	4 credits
CHEM/BIOL Elective (see catalog) †	4 credits
Elective Credits §	8 credits
Navigating College to Career (CPAS 318 optional/recommended) §	1 credits
<b>Semester Total</b>	<b>17 credits</b>
<b>Cumulative Total</b>	<b>105 credits</b>

## Spring Semester

CHEM/BIOL Elective (see catalog) †	4 credits
Ethics (THEO 380) *	3 credits
Math Elective (if necessary, see catalog) *	4 credits
Elective Credits §	4 credits
<b>Semester Total</b>	<b>15 credits</b>
<b>Cumulative Total</b>	<b>120 credits</b>

## Notes

PHYS 211 is only offered in the spring semester and PHYS 212 is only offered in the fall semester.

\*\*Class offered on alternate years. Adjust schedule as necessary. See department advisor for additional information.