

Biochemistry Course Plan

Catalog Year 2022-2023

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 |
| Semester Total | 15 credits |
| Cumulative Total | 15 credits |

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 |
| Semester Total | 14 credits |
| Cumulative Total | 29 credits |

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 |
| Semester Total | 15 credits |
| Cumulative Total | 44 credits |

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 |
| Semester Total | 14 credits |
| Cumulative Total | 58 credits |

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 |
| Semester Total | 15 credits |
| Cumulative Total | 73 credits |

Spring Semester

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

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 |
| Semester Total | 17 credits |
| Cumulative Total | 105 credits |

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 |
| Semester Total | 15 credits |
| Cumulative Total | 120 credits |

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.