Bachelors (BS) in Biochemistry Course Plan

Catalog Year 2019-2020

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
General Biology I (BIOL 211) *	4 credits
Calculus I (MATH 201) *	4 credits
Knowing and Being Known (LIBA 100) ‡	3 credits
I Believe (THEO 101) ‡	3 credits
Semester Total	**18 credits**
Cumulative Total	**18 credits**

Spring Semester

General Chemistry II (CHEM 212) *	4 credits
General Biology II (BIOL 212) *	4 credits
Calculus II (MATH 202) *	4 credits
I Believe (THEO 102) ‡	3 credits
Lifelong Fitness (HHPA 120) ‡	2 credits
Semester Total	**17 credits**
Cumulative Total	**35 credits**

Second Year

Fall Semester

Organic Chemistry I (CHEM 331) *	4 credits
General Physics or General Physics w/Calculus (spring semester) (PHYS 201 or 212) *	4 credits
Social Science GE Requirement ‡	3 credits
Introduction to Communication (COMM 100) ‡	3 credits
Semester Total	**14 credits**
Cumulative Total	**49 credits**

Spring Semester

Organic Chemistry II (CHEM 332) *	4 credits
General Physics or General Physics w/Calculus (spring semester) (PHYS 202 or 211) *	4 credits
HUMA 205 or Alternate Literature and Philosophy GE Requirement ‡	3 credits
Bible Elective GE Requirement ‡	3 credits
History/Political Science/International Studies GE Requirement ‡	3 credits
Semester Total	**17 credits**
Cumulative Total	**66 credits**

Third Year

Fall Semester

Biochemistry I (CHEM 341) *	4 credits
Thermodynamics (CHEM 440**) *	4 credits
HUMA 290 or Alternate Fine Arts GE Requirement ‡	3 credits
Electives §	2 credits
Semester Total	**13 credits**
Cumulative Total	**79 credits**

Spring Semester

Biochemistry II (CHEM 342) *	4 credits
Required Chemistry Elective for Major †	3 credits
Intercultural GE Requirement ‡	3 credits
Electives *	6 credits
Semester Total	**16 credits**
Cumulative Total	**95 credits**

Fourth Year

Fall Semester

Analytical Chemistry (CHEM 310**) *	4 credits

Chemistry Seminar (CHEM 461) *	1 credits
Required Biology Elective for Major †	4 credits
Engaging Christ in Transition (LIBA 400) ‡	3 credits
Electives §	4 credits
Semester Total	**16 credits**
Cumulative Total	**111 credits**

Spring Semester

Experimental Chemistry (CHEM 462) *	2 credits
Elective §	13 credits
Semester Total	**15 credits**
Cumulative Total	**126 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.