

Biochemistry B.S. (Bachelor of Science in Chemistry)

FRESHMAN YEAR

Fall Semester	15 Credits
BIOL 1800	General Biology I (4)
CHEM 1300	General Chemistry I* (4)
ENGL 1100	Writing I (3)
MATH 1300	Precalculus (4)

* General Chemistry requires a 'passing' score on Advanced Algebra and Functions Accuplacer placement exam OR successful completion of MATH 0500 (Algebraic Preparation) prior to enrollment. To continue as a Chemistry major, students must earn a grade of 2.0 or higher in General Chemistry I and II.

Spring Semester	14-15 Credits
CHEM 1400	General Chemistry II (4)
ENGL 1200	Writing II (3)
MATH 2300	Calculus I (4)
	Free Elective (3-4)

JUNIOR YEAR

Fall Semester	16 Credits
CHEM 3030	Biochemistry I (3)
PHYS 2300	General Physics I (4)
	LA&S Elective (3)
	LA&S Elective (3)
	Free Elective (3)

Spring Semester	13 Credits
CHEM 2400	Analytical Chemistry (4)
CHEM 3040 OR CHEM 3060	Biochemistry II OR Biochemical Techniques (3)
	Free Elective (3)
	Free Elective (3)

LA&S Elective List

- 1 AOM attribute (Art or Music)
- 1 ART attribute (the Arts)
- 1 CTW attribute (Citizenship & The World)
- 3 credits HAF attribute (Health/Fitness)
- 1 HIST subject (History)
- 1 HMN attribute (Human Behavior)
- 1 LIT attribute (Literature)

Advanced LA&S Options Area

Review the three options with your advisor and submit your decision to the Registrar's Office by completion of 60 credits.

Free Electives

It is recommended that students consider their career goals in selecting their free electives by seeking advice from their academic advisor and/or the pre-health advisor. Examples of recommended electives are courses in biology, mathematics, physics, and computer science.

Global Diversity Area

Two courses must meet the Global Diversity (GD) requirement. The GD courses may also satisfy other LAS requirements at the same time.

Chemistry Seminar fulfills the Capstone requirement for this Major.

SOPHOMORE YEAR

Fall Semester	17 Credits
CHEM 2000	Organic Chemistry I (4)
MATH 2400	Calculus II (4)
	LA&S Elective (3)
	LA&S Elective (3)
	Free Elective (3)

Spring Semester	14 Credits
BIOL 2800	Genetics (4)
CHEM 2100	Organic Chemistry II (4)
	LA&S Elective (3)
	LA&S Elective (3)

SENIOR YEAR

Fall Semester	16 Credits
CHEM 3600	Inorganic Chemistry (3)
PHYS 2400	General Physics II (4)
	LA&S Elective (3)
	Free Elective (3)
	Free Elective (3)

Spring Semester	14 Credits
CHEM 3200	Physical Chemistry (4)
CHEM 3060 OR CHEM 3040	Biochemical Techniques OR Biochemistry II (3)
CHEM 4750	Chemistry Seminar (3)
	Free Elective (4)