

First and Second Year Advising
Academic Plan for **Biochemistry BS**
College of Arts and Sciences



Preparing people to lead extraordinary lives

Biochemistry students must complete this list of University Core areas:

- Artistic Knowledge** (1 course/3 credit hours)
- Ethics** (1 course/3 credit hours)
- Historical Knowledge** (2 courses/6 credit hours)
- Literary Knowledge** (2 courses/6 credit hours)
- Philosophical Knowledge** (2 course/6 credit hours)
- Societal Knowledge** (2 courses/6 credit hours)
- Theological Knowledge** (2 courses/6 credit hours)
- Writing Seminar** (1 course/3 credit hours)

Study Abroad Biochemistry majors should plan to study abroad in fall or spring of the sophomore year and to complete up to eight credits of summer school. Consultation with the Chemistry Department is recommended.

125-127 Total Credit Hours

	FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR
FALL	BIOL 101/111 General Biology I & Lab (4 credits) CHEM 105 Chemical Principles (4 credits) MATH 118 Pre-Calculus II UCWR 110 Writing Seminar UNIV 101 First-Year Seminar (1 credit)	BIOL 251 Cell Biology CHEM 221 Organic Chemistry I (4 credits) MATH 132 Applied Calculus II or MATH 162 Calculus II (4 credits) PHYS 111/111L College Physics I and Lab (4 credits) Language 101	CHEM 212/214 Elementary Quantitative Analysis Lecture & Lab (4 credits) CHEM 305 Physical Biochemistry CHEM 370 Biochemistry I CORE CORE	CHEM 372 Biochemistry Lab (2 credits) Major Elective CORE CORE CORE
SPRING	BIOL 102/112 General Biology II & Lab (4 credits) CHEM 106 Basic Inorganic Chemistry (4 credits) MATH 131 Applied Calculus I or MATH 161 Calculus I (4 credits) CORE CORE	BIOL 282/283 Genetics Lecture and Lab (4 credits) CHEM 222 Organic Chemistry II (4 hours) PHYS 112/112L College Physics 2 and Lab (4 credits) Language 102	CHEM 306 Physical Biochemistry Lab (1 credit) CHEM 307 Inorganic Chemistry CHEM 371 Biochemistry II CHEM 300 Undergrad Research (1-4 credits) CORE CORE	CHEM 373 Biochemistry Lab II (2 credits) Major Elective CORE CORE CORE

Students majoring in the College of Arts & Sciences must also complete two Writing Intensive courses, which may fulfill University Core or major requirements in addition.

Fall 2019 Program Requirements

This plan is intended as a sample to help students envision one path for completion of this degree. Many courses may be moved to alternate semesters without impacting progress toward degree completion. Course sequencing may be impacted by math placement.