

Major in Biochemistry

Following is **one** suggested four-year degree plan. Students are encouraged to see their adviser each semester for help with program decisions and enrollment. Students are responsible for meeting all course prerequisites.

*See the University Core requirements section of this catalog for approved list of course options.

**See Arts and Sciences Core requirements section of this catalog for approved list of course options.

BA with a Major in Biochemistry

FRESHMAN YEAR

FALL	HOURS
BIOC 2000, Vistas in Biochemistry	1
BIOL 1710, Principles of Biology I, or BIOL 1711, Honors Principles of Biology I	3
BIOL 1730, Principles of Biology I Laboratory	1
CHEM 1410, General Chemistry, or CHEM 1413, Honors General Chemistry	3
CHEM 1430, General Chemistry Laboratory	1
ENGL 1310, College Writing I*	3
MATH 1650 Pre-Calculus	<u>5</u>
Total	17

SOPHOMORE YEAR

FALL	HOURS
BIOC 2000, Vistas in Biochemistry	1
CHEM 2370, Organic Chemistry	3
CHEM 3210, Organic Chemistry Laboratory	1
LANG 2040, Foreign Language (intermediate, see major requirements)**	3
PHYS 1410, General Physics I	3
PHYS 1430, General Physics Laboratory I	1
Humanities*	<u>3</u>
Total	15

JUNIOR YEAR

FALL	HOURS
BIOC 3620, Elementary Biochemistry	4
CHEM 3450, Quantitative Analysis	4
HIST 2610, United States History to 1865* Communication**	3
Elective (advanced)	<u>2</u>
Total	16

SENIOR YEAR

FALL	HOURS
BIOL (advanced)	4
PSCI 1040, American Government*	3
Cross-cultural, Diversity and Global Studies*	3
Elective (advanced)	3
Literature**	<u>3</u>
Total	16

FRESHMAN YEAR

SPRING	HOURS
BIOL 2040, Biology of Microorganisms; or BIOL 1720, Principles of Biology II, or BIOL 1722, Honors Principles of Biology II, and BIOL 1740, Principles of Biology II Laboratory	4
CHEM 1420, General Chemistry II, or CHEM 1423, Honors General Chemistry	3
CHEM 1440, General Chemistry Laboratory	1
ENGL 1320, College Writing II**	3
MATH 1710, Calculus I	<u>4</u>
Total	15

SOPHOMORE YEAR

SPRING	HOURS
BIOL 3510, Cell Biology	3
BIOL 3520, Cell Biology Laboratory	1
CHEM 2380, Organic Chemistry	3
CHEM 3220, Organic Chemistry Laboratory	1
LANG 2050*, Foreign Language (intermediate, see major requirements)**	3
PHYS 1420, General Physics II	3
PHYS 1440, General Physics II Laboratory	<u>1</u>
Total	15

JUNIOR YEAR

SPRING	HOURS
BIOC 4570, Biochemistry and Molecular Biology of the Gene	3
BIOC 4580, Biochemistry and Molecular Biology of the Gene Laboratory	2
HIST 2620, United States History Since 1865*	3
Elective (advanced)	3
Social and Behavioral Science*	3
Visual and Performing Arts*	<u>3</u>
Total	17

SENIOR YEAR

SPRING	HOURS
BIOL (advanced)	4
CHEM 3530, Physical Chemistry for Life Science	4
PSCI 1050, American Government II*	3
Elective (advanced)	3
Wellness*	<u>3</u>
Total	17

Actual degree plans may vary depending on availability of courses in a given semester.

Some courses may require prerequisites not listed. Students may wish to use opportunities for electives to complete a minor of their choice or secondary education courses for teacher certification.