

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 Curriculum section of this catalog for approved list of course options.*

***See Arts and Sciences degree 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 (may be used to satisfy Natural Sciences requirement*)	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	5
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 1510, General Physics I with Calculus	3
PHYS 1530, General Physics I with Calculus Laboratory	1
PSCI 1040, American Government*	3
Total	15

JUNIOR YEAR

FALL	HOURS
BIOL 3510/3520, Cell Biology with Laboratory	4
CHEM 3451/3452, Quantitative Analysis with Laboratory	4
HIST 2610, United States History to 1865*	3
Communication**	3
Social and Behavioral Sciences*	3
Total	17

SENIOR YEAR

FALL	HOURS
BIOC 3621/3622, Elementary Biochemistry with Laboratory	4
BIOL (advanced)	4
Cross-cultural, Diversity and Global Studies*	3
Elective (advanced)	3
Literature**	3
Total	17

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 (may be used to satisfy Natural Sciences requirement*)	4
CHEM 1420, General Chemistry II, or CHEM 1423, Honors General Chemistry	3
CHEM 1440, General Chemistry Laboratory	1
ENGL 2700, Technical Writing**	3
MATH 1710, Calculus I	4
Total	15

SOPHOMORE YEAR

SPRING	HOURS
CHEM 2380, Organic Chemistry	3
CHEM 3220, Organic Chemistry Laboratory	1
LANG 2050, Foreign Language (intermediate, see major requirements)**	3
PHYS 1520, General Physics II with Calculus	3
PHYS 1540 General Physics II with Calculus Laboratory	1
PSCI 1050, American Government II*	3
Wellness*	3
Total	17

JUNIOR YEAR

SPRING	HOURS
BIOC 4570, Biochemistry and Molecular Biology of the Gene	3
BIOC 4580, Molecular Biology and Biotechnology Laboratory	2
HIST 2620, United States History Since 1865*	3
BIOL (advanced)	4
Visual and Performing Arts*	3
Total	15

SENIOR YEAR

SPRING	HOURS
CHEM 3530, Physical Chemistry for Life Science	4
Elective (advanced)	3
Elective (advanced)	3
Elective (advanced)	2
Humanities*	3
Total	15

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.