

BS 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.**

BS 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 I, or CHEM 1413, Honors General Chemistry**	3
CHEM 1430, General Chemistry Laboratory**	1
ENGL 1310, College Writing I*	3
MATH 1710, Calculus I	<u>4</u>
Total	16

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, or PHYS 1710 Mechanics	3
PHYS 1530, General Physics I with Calculus Laboratory, or 1730 Laboratory in Mechanics	1
Communication**	3
PSCI 1040, American Government*	<u>3</u>
Total	18

JUNIOR YEAR

FALL	HOURS
BIOC 4540, Biochemistry I	3
BIOC 4560, Biochemistry Laboratory	2
BIOL 3510, Cell Biology	3
BIOL 3520, Cell Biology Laboratory	1
CHEM 3451/3452, Quantitative Analysis with Laboratory	4
HIST 2610, United States History to 1865*	<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 (may be used to satisfy Natural Sciences requirement*)	4
CHEM 1420, General Chemistry, or CHEM 1423, Honors General Chemistry	3
CHEM 1440, General Chemistry Laboratory	1
ENGL 2700, Technical Writing II*	3
MATH 1720, Calculus II	<u>3</u>
Total	14

SOPHOMORE YEAR

SPRING	HOURS
BIOL 3451/3452, Genetics with Laboratory	4
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, or PHYS 2220, Electricity and Magnetism	3
PHYS 1540, General Physics II with Calculus with Laboratory, or PHYS 2240, Laboratory in Wave Motion, Electricity, Magnetism and Optics	1
PSCI 1050, American Government II*	<u>3</u>
Total	18

JUNIOR YEAR

SPRING	HOURS
BIOC 4550, Biochemistry II	3
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
Visual and Performing Arts*	3
Wellness*	<u>3</u>
Total	17

SENIOR YEAR**FALL****HOURS**

CHEM 3510, Physical Chemistry I	3
BIOL (advanced)	4
Cross-cultural, Diversity and Global Studies*	3
Elective	3
Literature**	3
Humanities*	<u>3</u>
Total	19

SENIOR YEAR**SPRING****HOURS**

CHEM 3520, Physical Chemistry II	3
Division of Science Course (advanced)	3
Elective	3
Elective	3
Elective (advanced)	2
Social and Behavioral Sciences*	<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.*
