

### 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 of 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	4
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*	3
MATH 1720, Calculus II	3
Total	14

##### SOPHOMORE YEAR

FALL	HOURS
BIOC 2000, Vistas of 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 with Calculus Laboratory I, or PHYS 1730, Laboratory in Mechanics	1
PSCI 1040, American Government* Communication**	3
Total	18

##### SOPHOMORE YEAR

SPRING	HOURS
BIOL 3451, Genetics	3
BIOL 3452, Genetics Laboratory	1
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 with Calculus Laboratory II, or PHYS 2240, Laboratory in Wave Motion, Electricity, Magnetism and Optics	1
PSCI 1050, American Government*	3
Total	18

##### JUNIOR YEAR

FALL	HOURS
BIOL 3510, Cell Biology	3
BIOL 3520, Cell Biology Laboratory	1
BIOL (advanced)	4
CHEM 3451/3452, Quantitative Analysis with Laboratory	4
CHEM 3510, Physical Chemistry I	3
HIST 2610, United States History to 1865*	3
Total	18

##### JUNIOR YEAR

SPRING	HOURS
BIOC 4570, Biochemistry and Molecular Biology of the Gene	3
BIOC 4580, Molecular Biology and Biotechnology Laboratory	2
CHEM 3520, Physical Chemistry II	3
HIST 2620, United States History Since 1865*	3
Visual and Performing Arts*	3
Wellness*	3
Total	17