

Major in Biology (BS)

Pre-Health Option

120 hours

University Requirement – 2 hours

GSTD 1002 Freshman Seminar

General Education – 24 hours (Mathematics, natural science and physical science courses are included in the major.)

Biology – 50 hours

BIOL 1203/1201 Principles of Biology I/Lab
BIOL 1213/1211 Principles of Biology II/Lab
BIOL 3032/3022 General Microbiology/Lab
BIOL 3033/3031 Genetics/Lab
BIOL 3043 Cell Biology
BIOL 3763 Evolutionary Biology
BIOL 4013/4111 Ecology/Lab
BIOL 4101 Biology Colloquium
BIOL 4503/4501 Molecular Biology/Lab
SCI 3101 Pre-Health Colloquium

10 hours upper level Biology electives.

Select at least 8 hours from the following:

BIOL 2063/2061 Anatomy and Physiology I/Lab
BIOL 2073/2071 Anatomy and Physiology II/Lab
BIOL 3373/3371 Intro to Neuroscience/Lab
BIOL 3703/3701 Vertebrate Physiology/Lab
BIOL 4033/4031 Developmental Biology/Lab

Chemistry – 20 hours

CHEM 1023/1021 University Chemistry I/Lab
CHEM 1123/1121 University Chemistry II/Lab
CHEM 3003/3001 Organic Chemistry I/Lab
CHEM 3103/3101 Organic Chemistry II/Lab
CHEM 3073/3071 Biochemistry I/Lab

*Mathematics – 5-6 hours

Option A:

MATH 1023 College Algebra
MATH 1033 Plane Trigonometry

Option B:

MATH 1045 Pre-Calculus Mathematics

Option C:

MATH 1525 Calculus I

*Some professional schools may require MATH 1525 Calculus I for admission.

Physics – 8 hours

PHYS 2003/2001 College Physics I/Lab
PHYS 2103/2101 College Physics II/Lab

or

PHYS 2203/2201 University Physics I/Lab
PHYS 2213/2211 University Physics II/Lab

Electives – 10-11 hours

University electives may be used for remaining 10-11 hours.

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Suggested Plan of Study

2018-2019 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
MATH 1023 College Algebra	3	MATH 1033 Plane Trigonometry	3
BIOL 1203/1201 Principles of Biology I/Lab	4	BIOL 1213/1211 Principles of Biology II/Lab	4
CHEM 1023/1021 University Chemistry I/Lab	4	CHEM 1123/1121 University Chemistry II/Lab	4
GSTD 1002 Freshman Seminar	2		
Total Semester Hours	16	Total Semester Hours	14
Fall - Semester 3		Spring - Semester 4	
World Literature I/II (ENGL 2213 or ENGL 2223)	3	Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3
CHEM 3003/3001 Organic Chemistry I/Lab	4	CHEM 3103/3101 Organic Chemistry II/Lab	4
BIOL 3033/3031 Genetics/Lab	4	BIOL 4503/4501 Molecular Biology/Lab	4
PHYS 2003/2001 College Physics I/Lab or PHYS 2203/2201 University Physics I/Lab	4	PHYS 2103/2101 College Physics II/Lab or PHYS 2213/2211 University Physics II/Lab	4
Total Semester Hours	15	Total Semester Hours	15
Fall - Semester 5		Spring - Semester 6	
Fine Arts/Humanities (ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003 or Foreign Language)	3	Fine Arts/Humanities (ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003 or Foreign Language)	3
UL Biology Elective	4	BIOL 3032/3022 Microbiology/Lab	4
BIOL 2063/2061 Anatomy and Physiology I/Lab or Option	4	BIOL 2073/2071 Anatomy and Physiology II/Lab or Option	4
BIOL 4013 Ecology/Lab	4	BIOL 3043 Cell Biology	3
	4	SCI 3101 Pre-Health Colloquium	1
Total Semester Hours	15	Total Semester Hours	15
Fall - Semester 7		Spring - Semester 8	
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National)	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
Free Electives	10	BIOL 3763 Evolutionary Biology	3
UL Biology Elective	2	UL Biology Elective	4
		BIOL 4101 Biology Colloquium	1
		CHEM 3073/3071 Biochemistry I/Lab	4
Total Semester Hours	15	Total Semester Hours	15

Total hours required for major – 120

*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

Some schools require six hours of mathematics while others may also require math through calculus. Check individual catalogues.