

Biology – Pre-Health Option (BS)

Suggested Plan of Study

2023-2024 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 or Philosophy (ENGL 2213, ENGL 2223, or PHIL 2403)	3	Social Science choice (CRJU 2003, ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003, SOC 1013, or SOC 2003)	3
CHEM 3003/3001 Organic Chemistry I/Lab	4	CHEM 3073/3071 Biochemistry I/Lab, CHEM 3103/3101 Organic Chemistry II/Lab, or Free Elective	4
BIOL 3033/3031 Genetics/Lab	4	BIOL 3043 Cell Biology	3
BIOL 2063/2061 Anatomy & Physiology I/Lab or BIOL 3703/3701 Vertebrate Physiology/Lab	4	SCI 3101 Pre-Health Colloquium	1
		BIOL 2073/2071 Anatomy & Physiology II/Lab or Elective	3-4
Total Semester Hours	15	Total Semester Hours	14-15
Fall - Semester 5		Spring - Semester 6	
Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, HUM 2103, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013 or MUS 2023, PHIL 2403, THEA 2003, or Foreign Language)	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, HUM 2103, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013 or MUS 2023, PHIL 2403, or THEA 2003)	3
BIOL 4013 Ecology/Lab	4	BIOL 3023/3021 Microbiology/Lab	4
Pre-Health Elective	4	CHEM 3073/3071 Biochemistry I/Lab or Elective	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 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	BIOL 3763 Evolutionary Biology	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	BIOL 4503/4501 Molecular Biology/Lab	4
Pre-Health Elective	4	BIOL 4101 Biology Colloquium	1
Electives	6	Pre-Health Elective	4
		Elective	2-3
Total Semester Hours	16	Total Semester Hours	14-15

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.

Pre-Health Electives

BIOL 3143/3141 Comparative Vertebrate Anatomy/Lab	BIOL 4033/4031 Developmental Biology/Lab
BIOL 3373/3371 Introduction to Neuroscience/Lab	BIOL 4043/4041 Immunology/Lab
BIOL 3411-3414 Internship in Biology	BIOL 4243 Viral Genetics
BIOL 3583 Biostatistics	BIOL 4244 Advanced Microscopy and Histology
BIOL 3703/3701 Vertebrate Physiology/Lab	BIOL 4891 Independent Research in Biology