

Recommended Chronology: Curriculum for BS Biology: Pre-Medicine and Pre-Dentistry Programs

NOTE: Only for students advised to start in MATH 1112 (Trigonometry) first term of freshmen year

Freshman Year	
Fall Semester	Spring Semester
CHEM 1145 Principles of Chemistry I (4 hrs.)	CHEM 1146 Principles of Chemistry II (4 hrs.)
ENGL 1101 English Composition I (3 hrs.)	ENGL 1102 English Composition II (3 hrs.)
FYE 1220 First-Year Seminar (2 hr.)	MATH 1441 Calculus I (4 hrs.)
BIOL 2107/2107L Principles of Biology / Lab (4 hrs.)	BIOL 2108/2108L Principles of Biology II / Lab (4 hrs.)
MATH 1112 Trigonometry (3 hrs.)	HLTH 1520 Healthful Living (2 hrs)
Total Hours = 16	Total Hours = 17

3.0 GPA is required for all freshmen at the end of the second semester

Sophomore Year	
Fall Semester	Spring Semester
CHEM 3341 Organic Chemistry I (4 hrs.)	CHEM 3342 Organic Chemistry II (4 hrs.)
COMM 1110 Principles of Public Speaking (3 hrs.)**	PRE-MED BIOLOGY ELECTIVE – choose from list (4 hrs.)
MATH 2242 Calculus II (4 hrs.)	BIOLOGY MAJOR - Area Specific (3-4 hrs.)
BIOL 3130 Genetics (3 hrs.)	ENGL 2111 or 2112 World Literature (3 hrs)
AREA E Elective - SOCI1101 or PSYC1101* (3hrs)	KINS (1 hr.)
Total Hours = 17	Total Hours = 15 - 16

**Strongly recommended as Area C elective

*Strongly recommended as Area E elective

Junior Year	
Fall Semester	Spring Semester [#]
BIOLOGY MAJOR - Area Specific (3-4 hrs.)	BIOLOGY MAJOR - Area Specific (3-4 hrs.)
POLS 1101 American Government (3 hrs.)	BIOLOGY MAJOR ELECTIVE – 3000+ (4 hrs.)
PHYS 2211/1113 Prin. of Physics I w Lab (4 hrs.)	PHYS 2212/1114 Prin. of Physics II w Lab (4 hrs.)
STAT 2231 Intro to Statistics (3 hrs.)	CHEM 5541 Biochemistry I (4 hrs.)
HIST 1112 World History II (3 hrs.)	
Total Hours = 16 - 17	Total Hours = 15 - 16

[#]Also focus on studying for MCAT

Senior Year	
Fall Semester	Spring Semester
Any elective (non-Biol course) (3 hrs.)	AREA D Environmental Science (4 hrs)
BIOLOGY MAJOR ELECTIVE – 3000+ (4 hrs.)	Any elective (non-Biol course) (3 hrs.)
BIOLOGY MAJOR ELECTIVE – 3000+ (4 hrs.)	BIOLOGY MAJOR ELECTIVE – 3000+ (4 hrs.)
HIST 2110 US Survey (3 hrs.)	ECON 2105 Economics in a Global Society (3 hrs)
IDS 2210 Turning Pts & Connections (1 hr.)	KINS (1 hr.)
Total Hours = 15	Total Hours = 15

PRE-MED BIOLOGY ELECTIVE (consult your advisor)

BIOL 3230 Intro to Immunology or BIOL 5248 Immunology
 BIOL 3240 Bio of Microorganisms or BIOL 5140 Bacteriology
 BIOL 5142 Molecular Biotechniques
 BIOL 5148 Human Genetics
 BIOL 5230/5210 Comparative Animal Physiology/Lab
 BIOL 5240 Histology

BIOL 5241 Comparative Vertebrate Anatomy
 BIOL 5341 Parasitology
 BIOL 5246 Human Pathophysiology
 BIOL 5431 Virology
 BIOL 5146 Developmental Biology