

BACHELOR OF SCIENCE

BIOLOGY / PRE-DENTAL TRACK



Approved Sample Curriculum

The curriculum in Biology, formulated according to both classical and contemporary biological concepts, prepares the student for continuing intellectual growth and professional development in the life sciences. The major program in Biology meets the requirements for most graduate programs in biology and the requirements for dental, medical, veterinary, and other medically related programs. Students interested in pursuing any of these medically related programs should consult the pre-medical/pre-dental advisor.

First Year

Fall	CR	Spring	CR
FYE 150 First-Year Experience	1	History Core	3
BIO101/101L General Biology I	4	BIO102/102L General Biology II	4
CHE111/111L General Chemistry I	4	CHE113/113L General Chemistry II	4
CIS111 Introduction to Computer Info Systems	3	COM105 Fundamentals of Speech	3
ENG150 Literature, Writing and Research	3	MAT115 Pre-calculus* OR MAT143 Elements of Calculus**	3-4
Subtotal		Subtotal	
15		17 - 18	

Second Year

Fall	CR	Spring	CR
BIO211/211L Anatomy and Physiology I	4	BIO212/212L Anatomy and Physiology II	4
BIO204 Evolution Seminar	3	BIO206/206L Genetics	4
CHE220/220L Organic Chemistry I	4	CHE240/240L Organic Chemistry II	4
BIO205 Biological Literature	3	PSY105 General Psychology	3
MAT143 Elements of Calculus** OR Elective	3-4		
Subtotal		Subtotal	
17 - 18		15	

Third Year

Fall	CR	Spring	CR
BIO3XX Biology Elective <i>(Physiology or Developmental Biology, when available)</i>	4	BIO330/330L Biochemistry OR BIO305/305L Microbiology	4
PHY121/121L Elements of Physics I	4	PHY122/122L Elements of Physics II	4
Foreign Language	3	Theology Core	3
MAT205 Introductory Statistics	3	Philosophy Core #1 (Medical ethics when available)	3
Outer Core Elective (Minor, Second Major, or Outer core sequence)	3		
Subtotal		Subtotal	
17		14	

Fourth Year

Fall	CR	Spring	CR
BIO3XX Biology Elective ("C" ecological course)	4	BIO330/330L Biochemistry OR BIO305/305L Microbiology	4
Philosophy Core #2	1	BIO 319/319L Cell Biology OR BIO 341/341L Immunology	4
Theology Core	3	BIO489 Biology Seminar	3
Outer Core Elective (Minor, Second Major, or Outer core sequence)	3-4	Fine Arts Core	3
Outer Core Elective (Minor, Second Major, or Outer core sequence)	3-4	ENG200+ English Literature	3
Subtotal		Subtotal	
14-16		17	

Total Credits: 124 - 131

ITALICS: needed for the Dental School Admissions (and/or DAT exam). The exam is typically taken after completion of the Third (Junior) Year.

BOLD: needed for a BS in Biology degree

*Required for students with ACT Composite of below 24, optional for students with ACT Composite above 24.

**Students with an ACT Composite below 24 must take MAT115 in the Fall semester. Students with an ACT Composite above 24 may take MAT115 if they choose or begin with MAT143 in the Fall or Spring semester. It is highly recommended that students take MAT143 in their first year

Please note: No one earning a BS in Biology may graduate with more than one letter grade lower than a "C" in a Biology (BIO) course that is required for the major. (ie. a C- does not count)

Updated: 5 October 2023