

BACHELOR OF SCIENCE BIOLOGY / PRE-MEDICAL 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 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 (Molecular Genetics when available)	4	BIO330 Biochemistry	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
<i>SOC105 Principles of Sociology</i>	3		
Subtotal		Subtotal	
17		14	

Fourth Year

Fall	CR	Spring	CR
BIO3XX Biology Elective	4	BIO3XX Biology Elective	4
Philosophy Core #2	1-3	BIO489 Biology Seminar	3
Outer Core Elective (Minor, Second Major, or Outer core sequence)	3	Outer Core Elective (Minor, Second Major, or Outer core sequence)	3-4
Theology Core	3	Fine Arts Core	3
Outer Core Elective (Minor, Second Major, or Outer core sequence)	3-4	ENG200+ English Literature	3
Subtotal		Subtotal	
14-17		16-17	

Total Credits: 124 - 131

ITALICS: needed for the MCAT exam, which is 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