

# BIOLOGY, B.S. - PRE-MEDICAL PROFESSIONS OPTION

## Major in Biology, BS

Code	Title	Hours
CORE COURSES (C- or higher required)		26
	Foundations of Biology - See Appendix 1	
BIOL 211	Concepts of Zoology	
BIOL 221	Concepts of Botany	
BIOL 343	Principles of Ecology & Evolution	
BIOL 362	Cell and Developmental Biology	
BIOL 364	Foundations of Genetics & Molecular Biology	
BIOL 472	Seminar In Biology	
Option in Pre-Medical Professions - See separate block		
<b>Total Hours</b>		<b>26</b>

## Appendix 1. Foundations of Biology

Code	Title	Hours
Foundations of Biology C- or Higher		4
BIOL 101	Foundations of Biology	

## Concentration in Pre-Medical Professions

Code	Title	Hours
PRE-PROFESSIONAL COURSES - Choose 1 of the following options 1-2:		7-8
Option 1. Human Anatomy Physiology I and II		
BIOL 254	Human Anatomy & Physiology I	
BIOL 255	Human Anatomy & Physiology II	
Option 2. Comp Vert Anatomy and Animal Physiology		
BIOL 318	Comparative Vertebrate Anatomy	
BIOL 435	Animal Physiology	
BIOLOGY ELECTIVES (9-12 to bring total BIOL credits to 43 minimum) - Choose 9 hours from:		9
BIOL 300	Co-Op Ed Experience in Biol	
BIOL 352	Nutritional Science	
BIOL 361	Microbiology	
BIOL 363	Medical Microbiology	
BIOL 415	Mammalogy	
BIOL 437	Endocrinology	
BIOL 438	Neurobiology	
BIOL 454	Immunology	
BIOL 462	Molecular Biology	
BIOL 463	Virology	
BIOL 465	Developmental Biology	
BIOL 467	Human Genetics:Analysis/Apps	
BIOL 489	Honors Course	
BIOL 498	Independent Study	
BIOL 499	Departmental Honors	

Students interested in Veterinary School are encouraged to take BIOL 318, 361, 435; Students interested in Dental School are encouraged to take BIOL 361, 454, 465; Students interested in Pharmacy programs should take BIOL 361 454; Students interested in Physician Assistant programs should take BIOL 361 454.

**Total Hours** **16-17**

## Req Related for Biology, BS

Code	Title	Hours
For Biology Majors the G2 block of the Liberal Arts Core will be fulfilled by your required related coursework.		

### CHEMISTRY

A C- or higher in CHEM 111 and 112 is a pre-requisite for CHEM 235. A C- or higher in CHEM 231 is a pre-requisite for CHEM 232. Students interested in graduate or professional school should take CHEM 231 and 232.

CHEM 111	Introductory Chemistry 1	4
CHEM 112	Introductory Chemistry 2	4
Organic Chemistry I (C- minimum) and II		8
CHEM 231	Organic Chemistry 1	
CHEM 232	Organic Chemistry 2	
CHEM 326	Biochemistry 1	4

### MATHEMATICS FOR PRE-MEDICAL PROFESSIONS

MATH 161	Calculus 1	4
Biometry or Survey of Statistics - Choose 1 of the following:		3
BIOL 375	Biometry	
MATH 235	Survey of Statistics	

### PHYSICS

undefined - Choose 1 of the following options 1-2:		8-10
Option 1. Physics with Algebra		
PHYS 131	Physics 1 with Algebra	
PHYS 132	Physics 2 with Algebra	
Option 2. Physics with Calculus		
PHYS 231	Physics 1 with Calculus	
PHYS 232	Physics 2 with Calculus	

### RECOMMENDED GENED FOR MCAT

PSYC 100, 227/228, PHIL 100 and SOCY 101 are recommended Gen Ed courses for students planning to take the MCAT

PSYC 100, 227, 228 (G3), PHIL 100 (G1), and SOCY 101 (G3)	0
<b>Total Hours</b>	<b>35-37</b>