

Major in Biological Sciences - Bachelor of Science

Emphasis in Pre-professional Studies

University Requirements:		
See University General Requirements for Baccalaureate degrees (p. 41)		<input type="checkbox"/>
First Year Making Connections Course:	Sem. Hrs.	
BIO 1013, Making Connections - Biology	3	<input type="checkbox"/>
General Education Requirements:	Sem. Hrs.	
See General Education Curriculum for Baccalaureate degrees (p. 84)	35	<input type="checkbox"/>
<p>Students with this major must take the following:</p> <p><i>MATH 1023, College Algebra or MATH course that requires MATH 1023 as a prerequisite</i></p> <p><i>CHEM 1013 AND 1011, General Chemistry I and Laboratory</i></p> <p><i>BIO 2013 AND 2011, Biology of the Cell and Laboratory</i></p> <p><i>COMS 1203, Oral Communication (Required Departmental Gen. Ed. Option)</i></p>		
Language Requirement:	Sem. Hrs.	
<i>A student must complete the foreign language requirements before being considered a Biological Sciences Major. (Refer to Department of Biological Sciences Foreign Language Requirement).</i>		<input type="checkbox"/>
Major Requirements:	Sem. Hrs.	
BIO 1303 AND 1301, Biology of Animals and Laboratory	4	<input type="checkbox"/>
BIO 1503 AND 1501, Biology of Plants and Laboratory	4	<input type="checkbox"/>
BIO 3013 AND 3011, Genetics and Laboratory	4	<input type="checkbox"/>
BIO 3023, Principles of Ecology	3	<input type="checkbox"/>
BIO 4021, Biological Seminar	1	<input type="checkbox"/>
CHEM 1023 AND 1021, General Chemistry II and Laboratory	4	<input type="checkbox"/>
CHEM 3103 AND 3101, Organic Chemistry I and Laboratory	4	<input type="checkbox"/>
CHEM 3113 AND 3111, Organic Chemistry II and Laboratory	4	<input type="checkbox"/>

MATH 2194, Survey of Calculus OR MATH 2204, Calculus I	4	<input type="checkbox"/>
PHYS 2054, General Physics I	4	<input type="checkbox"/>
PHYS 2064, General Physics II	4	<input type="checkbox"/>
Sub-total	40	<input type="checkbox"/>
Emphasis Area (Pre-professional Studies):	Sem. Hrs.	
BIO 3302 AND 3312, Comparative Anatomy and Laboratory AND BIO 3323 AND 3321, Animal Physiology and Laboratory OR BIO 3223 AND 3221, Human Structure and Function I and Laboratory AND BIO 3233 AND 3231, Human Structure and Function II and Laboratory	8	<input type="checkbox"/>
BIO 4104, Microbiology	4	<input type="checkbox"/>
BIO 4133 AND 4131, Cell Biology and Laboratory OR CHEM 4243, Biochemistry	3-4	<input type="checkbox"/>
Select three of the following: BIO 3203, Pathophysiology BIO 4103, Virology BIO 4113 AND 4111, Immunology and Laboratory BIO 4123, Cell Signaling BIO 4133 AND 4131, Cell Biology and Laboratory BIO 4143, Pharmacology BIO 4163 AND 4161, Mammalian Neurobiology and Laboratory BIO 4213 AND 4211, Human Genetics and Laboratory BIO 4332 AND 4342, Animal Histology and Laboratory BIO 4343 AND 4341, Animal Embryology and Laboratory BIO 4552 AND 4551, Medical Mycology and Laboratory BIO 4623 AND 4621, Environmental Microbiology and Laboratory CHEM 3154, Survey of Physical Chemistry CHEM 4243, Biochemistry PHIL 3713, Ethics in the Health Professions STAT 3233, Applied Statistics I	9-12	<input type="checkbox"/>
Sub-total	24-28	<input type="checkbox"/>
Electives:	Sem. Hrs.	
Electives	14-18	<input type="checkbox"/>
Total Required Hours:	120	