

# Major in Biological Sciences - Bachelor of Science

## Emphasis in Biology

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

MATH 2194, Survey of Calculus <b>OR</b> 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"/>
<b>Sub-total</b>	<b>40</b>	<input type="checkbox"/>
<b>Emphasis Area (Biology):</b>	<b>Sem. Hrs.</b>	
BIO 3033, Evolution	3	<input type="checkbox"/>
BIO 3302 <b>AND</b> 3312, Comparative Anatomy and Laboratory	4	<input type="checkbox"/>
BIO 3303 <b>AND</b> 3301, General Entomology and Laboratory <b>OR</b> BIO 3322 <b>AND</b> 3332, Invertebrate Zoology and Laboratory	4	<input type="checkbox"/>
BIO 3323 <b>AND</b> 3321, Animal Physiology and Laboratory <b>OR</b> BIO 4513, Plant Physiology	3-4	<input type="checkbox"/>
BIO 4104, Microbiology	4	<input type="checkbox"/>
BIO 4133 <b>AND</b> BIO 4131, Cell Biology and Laboratory <b>OR</b> CHEM 4243, Biochemistry	3-4	<input type="checkbox"/>
BIO 4332 <b>AND</b> 4342, Animal Histology and Laboratory <b>OR</b> BIO 4343 <b>AND</b> 4341, Animal Embryology and Laboratory	4	<input type="checkbox"/>
BIO 4542 <b>AND</b> 4541, Mycology and Laboratory <b>OR</b> BIO 4552 <b>AND</b> 4551, Medical Mycology and Laboratory	3	<input type="checkbox"/>
BIO 4704, Plant Systematics <b>OR</b> BIO 4522 <b>AND</b> 4521, Wetland Plant Ecology and Laboratory	3-4	<input type="checkbox"/>
STAT 3233, Applied Statistics I	3	<input type="checkbox"/>
Electives (BIO prefix)	5-8	<input type="checkbox"/>
<b>Sub-total</b>	<b>42</b>	<input type="checkbox"/>
<b>Total Required Hours:</b>	<b>120</b>	