

Degree: **Bachelor of Science**  
 Major: **BIOLOGY**  
 Emphasis: **ORGANISMAL**

**UNIVERSITY CORE CURRICULUM**

See Catalog	Communication	6
See Catalog	Language, Philosophy, Culture	3
See Catalog	American History	6
POLS 2305	US Government and Politics	3
POLS 2306	State and Local Government	3
See Catalog	Creative Arts	3
See Catalog	Social and Behavioral Science	3
MATH 2413	Calculus I	(3)
BIOL 1406	Gen Biology I	(3)
BIOL 1407	Gen Biology II	(3)
CHEM 1411	Gen. Chemistry I	(3)
CHEM 1412	Gen. Chemistry II	(3)

**SCH PREREQUISITES**

ENGL 1302	Requires ENGL1301 as a pre-requisite
MATH 1314 and MATH 1316 or 2312 or placement	
MATH 1314	or placement beyond
BIOL1406	
CHEM 1411 & MATH 1314	or placement beyond
BIOL 1406	
BIOL 1406 w "C", BIOL 1407, CHEM 1411, & CHEM 1412	
BIOL 1406 w "C", BIOL 1407, CHEM 1411, & CHEM 1412	
BIOL 1407	
BIOL 1407, CHEM 1411, BIOL 2200 or UCCP1101/1102, & pre/co-req MATH 2413	
Chem 1411 & MATH 1314	or placement beyond
Chem 1411	
Chem 3411	
MATH 1314 and MATH 1316 or 2312 or placement	

**Biology Core**

BIOL 1406	<u>Biology I</u>	4
BIOL 1407	<u>Biology II</u>	4
BIOL 2300	<u>Science Communication</u>	3
BIOL 2416	<u>Genetics</u>	4
BIOL 2421	<u>Microbiology</u>	4
BIOL 2371	<u>Principles of Evolution</u>	3
BIOL 3428	<u>Principles of Ecology</u>	4
CHEM 1411	<u>Gen. Chemistry I</u>	4
CHEM 1412	<u>Gen. Chemistry II</u>	4
*CHEM 3411	<u>Organic Chemistry I</u>	4
*CHEM 3412	<u>Organic Chemistry II</u>	4
MATH 2413	<u>Calculus I</u>	4

**Statistics requirement: Choose one from the following:**

BIOL 3325	<u>Biostatistics</u>	3
MATH 3342	<u>Applied Probability and Stats</u>	3

**Chemistry of Life/Cell Biology requirement: Choose one from the following:**

BIOL3403	<u>Molecular Biology (SP)</u>	4
BIOL 3410	<u>Cell Biology (FL)</u>	4
CHEM 4401	<u>Biochemistry I</u>	4

**Form and Function requirement: Choose one from the following:**

BIOL 3425	<u>Functional Anatomy (SP)</u>	4
BIOL 3430	<u>Physiology (FL)</u>	4
BIOL 3455	<u>Plant Form and Function (even SP)</u>	4

**Organismal Biology requirement: Choose one from the following:**

BIOL 2472	<u>Principles of Botany (odd SP)</u>	4
BIOL 3413	<u>Invertebrate Zoology (FL)</u>	4
BIOL 3414	<u>Vertebrate Zoology (SP)</u>	4

**ORGANISMAL - CHOOSE AN EMPHASIS: PLANT, ANIMAL, or BROAD (8 Sem. Hrs)**

<b>PLANT EMPHASIS</b>		
BIOL 2472	<u>Principles of Botany (Odd SP)</u>	4 BIOL 1407 & CHEM 1411 (Included in Biology Core)
BIOL 3455	<u>Plant Form &amp; Function (Even SP)</u>	4 BIOL 1407 (Included in Biology Core)
BIOL 3479	<u>Plant Ecology (odd SP)</u>	4 BIOL 1407
BIOL 4422	<u>Plant Taxonomy (SP)</u>	4 BIOL 1407
<b>ANIMAL EMPHASIS</b>		
BIOL 3413	<u>Invertebrate Zoology (FL)</u>	4 BIOL 1407 (Included in Biology Core)
BIOL 3414	<u>Vertebrate Biology (SP)</u>	4 BIOL 1407
BIOL 4411	<u>Animal Behavior (FL)</u>	4 BIOL 1407
<b>BROAD EMPHASIS</b>		
BIOL 3425	<u>Functional Anatomy (SP)</u>	4 BIOL 1407
BIOL 3430	<u>Physiology (FL)</u>	4 BIOL 1407

Students choosing this emphasis should take one 4 sem. hour course from the Animal Emphasis and one 4 sem. hour course from the Plant Emphasis, including any Biology course listed in either Plant or Animal emphasis that was not taken to fulfill Biology Core requirements.

**ORGANISMAL ELECTIVES: See elective list**

27 Upper division

**University Requirements**

Minimum Total Hours for degree:	120	Minimum Major grade point average (GPA.):	2.5
*Upper Division minimum total hours:	45		
*Upper Division minimum residency hours:	36		
*Upper Division minimum major residency hrs:	12		
First Year Seminar Requirement:	2	First Year Seminar Requirement: UNIV 1101/1102	
Foreign Language Requirement:	see catalog		