

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

UNIVERSITY CORE CURRICULUM

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

SCH PREREQUISITES

<u>6</u>	ENGL 1302 Requires ENGL1301 as a pre-requisite
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<u>(3)</u>	MATH 1314 and MATH 1316 or 2312 or placement
<u>(3)</u>	MATH 1314 or placement beyond
<u>(3)</u>	BIOL1406
<u>(3)</u>	
<u>(3)</u>	CHEM 1411 & MATH 1314 or placement beyond
<u>42</u>	

Biology Core

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

<u>4</u>	MATH 1314 or see catalog for placement criteria
<u>4</u>	BIOL 1406
<u>3</u>	
<u>4</u>	BIOL 1406 w "C", BIOL 1407, CHEM 1411, & CHEM 1412
<u>4</u>	BIOL 1406 w "C", BIOL 1407, CHEM 1411, & CHEM 1412
<u>3</u>	BIOL 1407
<u>4</u>	BIOL 1407, CHEM 1411, BIOL 2200 or UCCP1101/1102, & pre/co-req MATH 2413
<u>4</u>	
<u>4</u>	Chem 1411 & MATH 1314 or placement beyond
<u>4</u>	Chem 1411
<u>4</u>	Chem 3411
<u>4</u>	MATH 1314 and MATH 1316 or 2312 or placement

Statistics requirement: Choose one from the following:

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

<u>3</u>	College Ready
<u>3</u>	MATH 2413

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

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

<u>4</u>	BIOL 2416, BIOL 2421
<u>4</u>	BIOL 2416, CHEM 3411
<u>4</u>	CHEM 3412

Form and Function requirement: Choose one from the following:

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

<u>4</u>	BIOL 1407
<u>4</u>	BIOL 1407
<u>4</u>	BIOL 1407

Organismal Biology requirement: Choose one from the following:

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

<u>4</u>	BIOL 1407 & CHEM 1411
<u>4</u>	BIOL 1407
<u>4</u>	BIOL 1407

ECOLOGY CORE CLASSES: Choose two from the following:

_____	BIOL 3479	<u>Plant Ecology (odd SP)</u>
_____	BIOL 4405	<u>Limnology (FL)</u>
_____	BIOL 4408	<u>Microbial Diversity and Ecology (odd FL)</u>
_____	BIOL 4436	<u>Marine Ecology (SP)</u>
_____	BIOL 4446	<u>Tropical Ecosystems and Conservation</u>

<u>4</u>	BIOL 1407
<u>4</u>	BIOL 3428
<u>4</u>	BIOL 2421
<u>4</u>	BIOL 3428
<u>4</u>	BIOL 3428

ECOLOGY ELECTIVES: See elective list

27

University Requirements

Minimum Total Hours for degree:

120

Minimum Major grade point average (GPA.):

2.5