

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

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

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>

Statistics requirement: Choose one from the following:

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

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>

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>

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>

INTEGRATIVE REQUIRED CLASSES: 12 sem hours

BIOL 3410	<u>Cell Biology (FL)</u>
BIOL 3425	<u>Functional Anatomy (SP)</u>
BIOL 3430	<u>Physiology (FL,SS)</u>

8 sem. hours of Physics

PHYS 1401 or 2425	<u>Physics I</u>
PHYS 1402 or 2426	<u>Physics II</u>

INTEGRATIVE ELECTIVES: See elective list

University Requirements

Minimum Total Hours for degree:	120
*Upper Division minimum total hours:	45
*Upper Division minimum residency hours:	36
*Upper Division minimum major residency hrs:	12
First Year Seminar Requirement:	2
Foreign Language Requirement:	see catalog

SCH PREREQUISITES

6	ENGL 1302 Requires ENGL1301 as a pre-requisite
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(3)	MATH 1314 and MATH 1316 or 2312 or placement
(3)	MATH 1314 or placement beyond
(3)	BIOL1406
(3)	
(3)	CHEM 1411 & MATH 1314 or placement beyond
4	MATH 1314 or see catalog for placement criteria
4	BIOL 1406
3	
4	BIOL 1406 w "C", BIOL 1407, CHEM 1411, & CHEM 1412
4	BIOL 1406 w "C", BIOL 1407, CHEM 1411, & CHEM 1412
3	BIOL 1407
4	BIOL 1407, CHEM 1411, BIOL 2200 or UCCP1101/1102, & pre/co-req MATH 2413
4	
4	Chem 1411 & MATH 1314 or placement beyond
4	Chem 1411
4	Chem 3411
4	MATH 1314 and MATH 1316 or 2312 or placement
3	College Ready
3	MATH 2413
4	BIOL 2416, BIOL 2421
4	BIOL 2416, CHEM 3411
4	CHEM 3412
4	BIOL 1407
4	BIOL 1407
4	BIOL 1407
4	BIOL 1407 & CHEM 1411
4	BIOL 1407
4	BIOL 1407
4	CHEM 3411 & BIOL 2416 (Included in the Biology Core)
4	BIOL 1407 (Included in the Biology Core)
3	BIOL 1407
4	see catalog
4	see catalog
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Minimum Major grade point average (GPA.): 2.5

First Year Seminar Requirement: UNIV 1101/1102