

Degree: **Bachelor of Science**
 Major: **BIOLOGY**
 Emphasis: **7-12 Teaching Certification**

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
_____	PSYC 2301	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)

First-Year Seminar (2 sem. Hrs.)

_____	UNIV 1101	First-Year Seminar I	1
_____	UNIV 1102	First-Year Seminar II	1

Life Science Certification Support Field

_____	CHEM 1411	<u>Gen. Chemistry I</u>	4
_____	CHEM 1412	<u>Gen. Chemistry II</u>	4
_____	CHEM 3411	<u>Organic Chemistry I</u>	4
_____	ENGL 3301	<u>Technical and Professional Writing</u>	3

Biology Teaching Core

_____	BIOL 1406	<u>Biology I</u>	4
_____	BIOL 1407	<u>Biology II</u>	4
_____	BIOL 2371	<u>Principles of Evolution</u>	4
_____	BIOL 2401	<u>Anatomy and Physiology I</u>	4
_____	BIOL 2416	<u>Genetics</u>	4
_____	BIOL 2421	<u>Microbiology</u>	4
_____	*BIOL 3428	<u>Principles of Ecology</u>	4
_____	MATH 2413	Calculus I	(3)
_____	*SMTE 4270	<u>Science Education Topics I (SP)</u>	2
_____	*SMTE 4217	<u>Secondary Approaches to Life Science (FL)</u>	2
_____	*SMTE 4320	<u>Secondary Science Lab Techniques (FL)</u>	3

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

_____	*BIOL 3403	<u>Molecular Biology (SP)</u>	4
_____	*BIOL 3410	<u>Cell Biology (FL)</u>	4

Organismal Animal Requirement- Choose one from the following:

_____	*BIOL 3413	<u>Invertebrate Zoology (FL)</u>	4
_____	*BIOL 3414	<u>Vertebrate Biology (SP)</u>	4

Organismal Plant Requirement- Choose one from the following:

_____	BIOL 2472	<u>Principles of Botany (SP)</u>	4
_____	*BIOL 4422	<u>Plant Taxonomy (SP)</u>	4

Upper Division Biology Elective - Choose one from the following:

BIOL3325, BIOL 4301, BIOL 4302, BIOL 4308, BIOL 4319, BIOL 4323, BIOL 4328, BIOL 4335, BIOL 4343, BIOL 4370, BIOL 4371, BIOL 4304

PROFESSIONAL DEVELOPMENT

Preliminary Courses:

_____	*READ 3353	<u>Content Area Reading for Secondary Students</u>	3	n/a
_____	*EDUC 3311	<u>School & Society</u>	3	Interview with Dept of Teacher Ed faculty

Field-Base Semester:

_____	*EDUC 4606	<u>Planning, Teaching, Assessment & Tech: Grades 7-12</u>	6	See College of Education for Admisssion to Teacher Education/Field Based Program. See handout provided by College of Education.
_____	*EDUC 4322	<u>Instructional Design for Special Populations: Grades 7-12</u>	3	

Student Teaching Semester:

_____	*EDUC 4312	<u>Classroom Management: Grades 7-12</u>	3
_____	*EDUC 4993	<u>Student Teaching: Grades 7-12</u>	9

2.75 MAJOR GPA REQUIRED

University Requirements

Minimum Total Hours for degree:	120	Minimum Major grade point average (GPA.):
*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	

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PREREQUISITES

ENGL 1302 Requires ENGL1301 as a pre-requste
Cert MUST take ENGL literature

Cert MUST take PSYC2301 literature
 MATH 1314 and MATH 1316 or 2312 or placement
 MATH 1314 or placement beyond
 BIOL1406

CHEM 1411 & MATH 1314 or placement beyond

CHEM 1411 & MATH 1314 or placement beyond
 CHEM 1411

MATH 1314 or see catalog for placement criteria
 BIOL 1406
 BIOL 1407
 BIOL 1406 w "C", 1407, CHEM 1411, 1412
 BIOL 1406 w "C", 1407, CHEM 1411, 1412
 BIOL 1407, BIOL 2200 or UCCP 1101/1102, CHEM
 MATH 1314 and MATH 1316 or 2312 or placement

BIOL1407, CHEM1412, & EDUC 3311
 BIOL 1407, CHEM 1412, & EDUC 3311

BIOL 2416 & 2421
 BIOL 2416 & CHEM 3411

Biol 1407
 Biol 1407

BIOL 1407 & CHEM 1411

n/a
 Interview with Dept of Teacher Ed faculty

See College of Education for Admisssion to Teacher Education/Field Based Program. See handout provided by College of Education.