

Degree: Bachelor of Science
 Major: BIOLOGY
 Emphasis: LIFE SCIENCE EDUCATION
7-12 Teaching Certification

UNIVERSITY CORE CURRICULUM

			SCH	PREREQUISITES
_____	COMM 1311	Foundation of Communication	3	
_____	ENGL 1302	Writing and Rhetoric	3	
_____	See Catalog		3	
_____	HIST 1301	US History to 1865	3	
_____	HIST 1302	US History Since 1865	3	
_____	POLS 2305	US Government and Politics	3	
_____	POLS 2306	State and Local Government	3	
_____	See Catalog		3	
_____	PSYC 2301	General Psychology	3	
_____	MATH 2413	Calculus I	(3)	See catalog for pre-requisite courses
_____	BIOL 1406	Gen Biology I	(3)	
_____	BIOL 1407	Gen Biology II	(3)	
_____	CHEM 1411	Gen. Chemistry I	(3)	
_____	CHEM 1412	Gen. Chemistry II	(3)	
_____		Communication	3	
_____		Communication	3	
_____		Language, Philosophy, and Cultur	3	
_____		American History	3	
_____		American History	3	
_____		Government/Political Science	3	
_____		Government/Political Science	3	
_____		Creative Arts	3	
_____		Social and Behavioral Science	3	
_____		Mathematics	(3)	
_____		Life and Physical Sciences	(3)	
_____		Life and Physical Sciences	(3)	
_____		Component Area Option	(3)	
_____		Component Area Option	(3)	

Biology Teaching Core

_____	BIOL 1406	<u>Biology I</u>	4	*Life and Physical Sciences Core I	4	MATH 1314 or see catalog for placement criteria
_____	BIOL 1407	<u>Biology II</u>	4	*Life and Physical Sciences Core I	4	BIOL 1406
_____	BIOL 2416	<u>Genetics</u>	4		4	BIOL 1406 w "C", 1407, CHEM 1411, 1412
_____	BIOL 2421	<u>Microbiology</u>	4		4	BIOL 1406 w "C", 1407, CHEM 1411, 1412
_____	BIOL 2472	<u>Principles of Botany (SP-alt?)</u>	4		4	BIOL 1407, CHEM 1411
_____	*BIOL 3410	<u>Cell Biology (FL)</u>	4		4	BIOL 2416, Chem 3411
_____	*BIOL 3413	<u>Invertebrate Zoology (SS,FL)</u>	4		4	BIOL 1407
_____	*BIOL 3414	<u>Vertebrate Biology (FL,SP)</u>	4		4	BIOL 1407
_____	*BIOL 3428	<u>Principles of Ecology (FL,SP)</u>	4		4	BIOL 1406 w "C", Biol 1407, BIOL 2200 or UCCP1101, 1102
_____	*SMTE 4320	<u>Secondary Science Lab Technique</u>	3		3	BIOL 1407, Chem 1412, Educ 3311
_____	*SMTE 4270	<u>Science Education Topics I</u>	2		2	n/a
_____	*SMTE 4217	<u>Secondary Approaches to Life Sci</u>	2		2	n/a
_____	Choose one from the following:				4	
_____	BIOL 2401	<u>Anatomy & Physiology I</u>	4		4	n/a
_____	*BIOL 3425	<u>Functional Anatomy (SP)</u>	4		4	BIOL 1407
_____	*BIOL 3430	<u>Physiology (FL)</u>	4		4	BIOL 1407

Upper Division Electives (10 SCH)

_____	Choose from Science, Psychology, and Mathematics					
_____	*CHEM 3411	<u>Organic Chemistry I</u>	4		4	Chem 1411
_____			3		3	
_____			3		3	

ELECTIVES

_____	CHEM 1411	<u>Gen. Chemistry I</u>	4	*Component area Option Core Co	4	MATH 1314 or see catalog for placement criteria
_____	CHEM 1412	<u>Gen. Chemistry II</u>	4	*Component area Option Core Co	4	Chem 1411

PROFESSIONAL DEVELOPMENT

Preliminary Courses:

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

Field Base Semester:

_____	*EDUC 4606	<u>Field Based Semester</u>	6		6	See College of Education for Admission to
_____	*EDUC 4322	<u>Special Populations</u>	3		3	Teacher Education/Field Based Program.

Student Teaching Semester:

_____	*EDUC 4312	<u>Classroom Mgmt</u>	6		6	See handout provided by College of
_____	*EDUC 4993	<u>Student Teaching</u>	9		9	Education.

2.75 MAJOR GPA REQUIRED

THEA Scores:

Reading	(minimum 250)	_____		<u>Major Field Test: Met by Certification Exams</u>
Math	(minimum 230)	_____		Certification: TExES #160
Writing	(minimum 240)	_____		Exams: TExES # 138 Life Science

University Requirements

Minimum Total Hours for degree:	120	Minimum Major grade point average (g.p.a.):	<u>2.75</u>
*Upper Division minimum total hours:	45	Computer Literacy :	BIOL1406
*Upper Division minimum residency hours:	36	First Year Seminar Requirement:	UCCP 1101/2
*Upper Division minimum major residency hrs:	12		
Cumulative TAMU-CC minimum g.p.a.:	2		
Foreign Language Requirement:	see catalog		