

Degree: **Bachelor of Science**

Major: **BIOLOGY**

Emphasis: **ORGANISMAL**

UNIVERSITY CORE CURRICULUM

		SCH	PREREQUISITES
_____	COMM 1311	3	
_____	ENGL 1302	3	
_____	See Catalog	3	
_____	HIST 1301	3	
_____	HIST 1302	3	
_____	POLS 2305	3	
_____	POLS 2306	3	
_____	See Catalog	3	
_____	See Catalog	3	
_____	MATH 2413	(3)	MATH 1314 & 1316 or MATH 2312 or level V math placement
_____	BIOL 1406	(3)	MATH 1314 or level IV math placement
_____	BIOL 1407	(3)	BIOL 1406
_____	CHEM 1411	(3)	
_____	CHEM 1412	(3)	CHEM 1411 & MATH 1314 or level IV math placement

First-Year Seminars / Professional Skills

Choose UCCP 1101/1102 or BIOL 2200

_____	UCCP 1101 & 1102	2	First-Year Seminar
_____	BIOL 2200	2	Professional Skills

Biology Core

(Grades of "D" are not counted in the biology core or biology track courses)

_____	BIOL 1406	4	Biology I	MATH 1314 or level IV math placement
_____	BIOL 1407	4	Biology II	BIOL 1406
_____	BIOL 2416	4	Genetics	BIOL 1406 w "C", 1407, CHEM 1411 & 1412
_____	BIOL 2421	4	Microbiology	BIOL 1406 w "C", 1407, CHEM 1411 & 1412
_____	BIOL 2371	3	Principles of Evolution	BIOL 1407
_____	BIOL 3428	4	Principles of Ecology	BIOL 1407, CHEM 1411, BIOL 2200 or UCCP1101/1102, & pre/co-req MATH 2413
_____	CHEM 1411	4	General Chemistry I	
_____	CHEM 1412	4	General Chemistry II	CHEM 1411 & MATH 1314 or placement beyond
_____	CHEM 3411	4	Organic Chemistry I	CHEM 1411
_____	CHEM 3412	4	Organic Chemistry II	CHEM 1412
_____	MATH 2413	4	Calculus I	MATH 1314 & 1316 or MATH 2312 or placement
_____	BIOL 4292	2	Senior Presentation	BIOL 2200 or UCCP 1101/1102 & senior standing

Math requirement - Choose one from the following:

_____	MATH 1314	3	College Algebra	College Ready
_____	MATH 1316	3	Trigonometry	MATH 1314 or level IV math placement
_____	MATH 2312	3	Precalculus	MATH 1314 or level IV math placement
_____	MATH 2414	4	Calculus II	MATH 2413
_____	MATH 3342	3	Applied Probability and Stats	MATH 2413

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

_____	BIOL 3403	4	Molecular Biology (SP)	BIOL 2416 & BIOL 2421
_____	BIOL 3410	4	Cell Biology (FL)	CHEM 3411 & BIOL 2416
_____	CHEM 4401	4	Biochemistry I	CHEM 3412 & one year biology

Form and Function requirement - Choose one from the following:

_____	BIOL 3425	4	Functional Anatomy (SP)	BIOL 1407
_____	BIOL 3430	4	Physiology (FL,SS)	BIOL 1407
_____	BIOL 3455	4	Plant Form and Function (alt)	BIOL 1407

Organismal Biology requirement - Choose one from the following:

_____	BIOL 2472	4	Principles of Botany (SP)	BIOL 1407 & CHEM 1411
_____	BIOL 3413	4	Invertebrate Zoology (FL, SS)	BIOL 1407
_____	BIOL 3414	4	Vertebrate Zoology (FL)	BIOL 1407

ORGANISMAL - CHOOSE AN EMPHASIS: PLANT, ANIMAL, or BROAD

PLANT EMPHASIS

_____	BIOL 2472	4	Principles of Botany (SP)	BIOL 1407 & CHEM 1411
_____	BIOL 3455	4	Plant Form and Function (alt)	BIOL 1407
_____	BIOL 3479	4	Plant Ecology	BIOL 1407
_____	BIOL 4422	4	Plant Taxonomy	BIOL 1407
Plant Emphasis Electives (see page 2)		22-23 hours		

ANIMAL EMPHASIS

_____	BIOL 3413	4	Invertebrate Zoology (FL, SS)	BIOL 1407
_____	BIOL 3414	4	Vertebrate Biology (FL)	BIOL 1407
_____	BIOL 4411	4	Animal Behavior (SP, SS)	BIOL 1407
Chose ONE of the following two courses:				
_____	BIOL 3425	4	Functional Anatomy (SP)	BIOL 1407
_____	BIOL 3430	4	Physiology (FL, SS)	BIOL 1407
Animal Emphasis Electives (see page 2)		22-23 hours		

BROAD EMPHASIS

_____	BIOL 2472	4	Principles of Botany (SP)	BIOL 1407
_____	BIOL 3413	4	Invertebrate Zoology (FL, SS)	BIOL 1407
_____	BIOL 3414	4	Vertebrate Biology (FL)	BIOL 1407
Chose ONE of the following three courses:				
_____	BIOL 3479	4	Plant Ecology	BIOL 1407
_____	BIOL 4411	4	Animal Behavior (SP, SS)	BIOL 1407
_____	BIOL 4422	4	Plant Taxonomy	BIOL 1407
Broad Emphasis Electives (see page 2)		22-23 hours		

University Requirements

Minimum Total Hours for degree:	120	Minimum Major GPA: 2.50
Upper Division minimum total hours:	45	Cumulative TAMUCC Minimum GPA: 2.00
Upper Division minimum residency hours:	36	Foreign Language Requirement: See catalog
Upper Division minimum major residency hours:	12	First Year Seminar Requirement: UCCP 1101/1102