

COLLEGE/SCHOOL: <u>College of Arts and Sciences</u> Current Catalog Page(s) Affected:

College Document #	39	
UCC Document #	124	
Date Received		

CATALOG YEAR 2014-2015 (Please use separate form for each add/change)

Program: description as catalog and in	Add:nd 4-year plan.	Change:X Attach new/changed Program of the current catalog, copy and paste the text from the catalog.	of Study he <u>on-line</u>				
1. Hours Requidegree requirem2. University C for Graduation"3. MATH: 4 SC	red: A minimum o lents as specified in fore Curriculum: 4 CH designated as M	with a Major in Biology f 124 semester credit hours (SCH): 45 hours must be advance the "Requirements for Graduation" section of this catalog. 42 SCH as outlined in the suggested plans and as specified i ATH 1342 and MATH 2413 and 1 SCH surplus credit from the suggested plans are specified.	n the "Requirements				
4. Major: 48 S requirements: B 22 SCH selected 4430, 4440, 44473 may be rep 5. Supporting \$1301, 1101, 130	CH and the 7 SCH IOL 1111, 1413 and from BIOL 3403, 11, 4460, 4173-447 weated for up to 8 Sciences Curriculus	of BIOL 1306/1106 and 1311 taken as part of the core. Add 2421. Advanced requirements include BIOL 3406, 3410, 3 3404, 3407, 3414, 3416, 3425, 3451, 4170, 4402, 4404, 440 3, 4371-4471, ENSC 3310, 3401, 4170, 4173-4473, 4410 o CH of credit within the degree program. 1111. 1312, 1112, 242	Iditional lower-level 412, 3413, 4170 and 8, 4409, 4420, 4425, r 4430. BIOL 4173-				
Justification: Changes to match new core. Calculus I was dropped from degree program because calculus I is no longer required for admission to Texas medical schools. Some biology courses not listed in the advanced electives were included. There was some rearranging of courses in the degree plan. Degree was reduced from 127 SCH to 124 SCH.							
Approvals:		Signature	Date				
Chair Department C	urriculum Com	Neal McReynolds Neal McReynolds Digitally signed by Neal McReynolds Dix cn=Neal McReynolds on Et as A&M International University, our Department of Biology and Chemistry, email=nonceynolds@tamin.edu.c=US Date: 2013.12.16.10.07.18-06/00					
Department Curriculum Committe Chair		Daniel Mott Citytally signed by Dariel Mott On on-Dariel Mott on Teats Al International University, our Biology and Chemistry, enal-demotistarian duc a city. Date: 2014.07.03 14.4223-06.00					
Department Chair	Digitally signed by Lynne L. Mang DN: cn=Lynne L. Manganaro, o, or email=lynne.manganaro@tamiu.e Date: 2014.02.10 14:45:55 -06'00'	1,					
College Curri	culum Committe	Frances Bernat Digitally signed by Frances On: Chefrances Bernat One Social Research, emailefrances	Bernat				
Dean		Figure Belling Social Research, email=fran Date: 2014.02.10 16:22:34	ices.bernat@tamiu.edu, c=US				
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BACHELOR OF SCIENCE MAJOR IN BIOLOGY

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the **Program of Study Requirements**; and must meet **foreign language** and **writing intensive course** requirements for graduation. See Academic Regulations-Undergraduate online.

*See Appendix A Core Curriculum and Optional Course Information.

FALL			HOURS	SPRING	NATAR	HOURS
FRESH				FRESHMA		
BIOL		Principles of Biology I	3		Principles of Biology II	3
BIOL		Principles of Biology I Lab	1		Principles of Biology II Lab	1
		General Chemistry I	3		2 General Chemistry II	3
		General Chemistry I Lab	1		2 General Chemistry II Lab	1
		English Composition I	3		2 English Composition II	3
PSCI		American National Govt	3		2 Pre-Calculus	4
UNIV	1101	Learning in a Global Context I	<u>1</u>	UNIV 1102	2 Learning in a Global Context II	<u>1</u>
Total			15			16
SOPHOMORE YEAR			SOPHOMO	ORE YEAR		
BIOL	1413	Principles of Biology III	4	BIOL 2421	l Microbiology	4
CHEM	2423	Organic Chemistry I	4	CHEM 2425	5 Organic Chemistry II	4
MATH	1342	Introductory Statistics	3	PSCI 2306	6 American State Govt	3
ENGL		Language, Philosophy, Culture'	* 3	ENGL 2311	1 Technical Writing	3
HIST	1301	The U.S. to 1877	<u>3</u>	HIST 1302	The U.S. Since 1877	<u>3</u>
MATH	2413	Calculus I	$\frac{\overline{4}}{}$		Activity/Wellness*	<u> </u>
TD ()						4.
Total			17			17
JUNIO				JUNIOR Y		
BIOL	3406	Evolution	4	BIOL 3410		4
BIOL	3413	Intro to Genetics	4	BIOL 3412	2 Cell Biology	4
PHYS	1301	General Physics I	3		2 General Physics II	3
PHYS	1101	Physics I Lab	1	PHYS 1102	2 Physics II Lab	1
		Creative Arts*	<u>3</u>		Soc/Behavioral Science*	<u>3</u>
Total			15			15
SENIOR YEAR		SENIOR YEAR				
BIOL		Restricted Biology Elec ¹	4	BIOL	Restricted Biology Elec ¹	4
BIOL		Restricted Biology Elec ¹	4	BIOL 4170) Biology Seminar	1
BIOL		Restricted Biology Elec ¹	4	BIOL	Restricted Biology Elec ¹	4
		Advanced Elective	<u>3</u>	BIOL	Restricted Biology Elec ¹	2
					Advanced Elective	$\frac{3}{14}$
Total			15			14

TOTAL SEMESTER CREDIT HOURS: 124

¹Restricted Advanced Biology electives: select 22 SCH from BIOL 3403, 3404, 3407, 3414, 3416, 3451, 4170, 4402, 4404, 4408, 4409, 4420, 4425, 4440, 4441, 4173-4473, 4371-4471; ENSC 3310, 3401, 4170, 4173-4473, 4310 or 4430. BIOL 4173-4473 may be repeated for up to 8 SCH of credit within the degree program.

Actual degree plans may vary depending on availability of courses in a given semester.

Some courses may require prerequisites not listed.