



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

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

Program: Add: ___ Change: X Attach new/changed Program of Study description and 4-year plan. If in current catalog, copy and paste the text from the [on-line catalog](#) and indicate changes in red.


Degree Requirements for the BA with a Major in Biology

1. **Hours Required:** A minimum of **126** semester credit hours (SCH): 45 hours must be advanced, and fulfillment of degree requirements as specified in the "Requirements for Graduation" section of this catalog.
2. **University Core Curriculum:** **42** SCH as outlined in the suggested plans and as specified in the "Requirements for Graduation".
3. **MATH:** **4** SCH designated as **MATH 1342** and **MATH 2412** and **1** SCH surplus credit from core.
4. **Major:** **45** SCH: 4 SCH of BIOL 1306/1106, and 8 SCH of BIOL 1311/1111, 1413 or 2421. Advanced requirements include 9 SCH of BIOL 3410, 3413, 4170 and 24 SCH selected from BIOL 3403, 3404, 3406, 3407, 3412, 3414, 3416, **3425**, 3451, 4170, 4402, 4404, 4408, 4409, 4420, 4425, **4430**, 4440, 4441, **4460**, 4173-4473, 4371-4471, ENSC 3310, 3401, ~~4170~~, 4173-4473, ~~4410~~ or 4430. BIOL 4173-4473 may be repeated for up to 8 SCH of credit within the degree program.
5. **Minor:** A minimum of **18** SCH from one discipline at least twelve of which must be at the 3000-4000 level. See Appendix C. Instead of a minor, students may complete 18 SCH of electives, 12 SCH of which must be at the 3000-4000 level, from any discipline, except the major field, outside the College of Nursing and Health Sciences.
6. **Supporting Sciences Curriculum:** **17** SCH and the **7** SCH of CHEM 1311/1111 and **13**12 taken as part of the **42** SCH core and CHEM **1112**, 2423, 2425, PHYS 1301/1101, and PHYS 1302/1102.

Justification: Changes to match new core.

Approvals:

	Signature	Date
Chair Department Curriculum Committee	Neal McReynolds <small>Digitally signed by Neal McReynolds DN: cn=Neal McReynolds, o=Texas A&M International University, ou=Department of Biology and Chemistry, email=nmcreynolds@tamui.edu, c=US Date: 2014.01.31 17:50:36 -06'00'</small>	_____
Chair Department	Daniel Mott <small>Digitally signed by Daniel Mott DN: cn=Daniel Mott, o=Texas A International University, ou=Biology and Chemistry, email=dmmott@tamui.edu, c=US Date: 2014.02.03 14:38:23 -06'00'</small>	_____
Chair College Curriculum Committee	Lynne L. Manganaro <small>Digitally signed by Lynne L. Manganaro DN: cn=Lynne L. Manganaro, o, ou, email=lynne.manganaro@tamui.edu, c=US Date: 2014.02.10 14:42:12 -06'00'</small>	_____
Dean	Frances Bernat <small>Digitally signed by Frances Bernat DN: cn=Frances Bernat, o=COAS, ou=Public Affairs and Social Research, email=frances.bernat@tamui.edu, c=US Date: 2014.02.10 16:20:37 -06'00'</small>	_____



 Provost's Signature
 Date _____

**BACHELOR OF ARTS
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*.

** See *Appendix C* for approved list of minors and requirements. Instead of a minor, students may complete 18 SCH of electives, 12 SCH of which must be at the 3000-4000 level, from any discipline, except the major field, outside the College of Nursing and Health Sciences.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
BIOL 1306	3	BIOL	4
Principles of Biology I		Biology Elective ¹	
BIOL 1106	1		
Principles of Biology I Lab			
CHEM 1311	3	CHEM 1312	3
General Chemistry I		General Chemistry II	
CHEM 1111	1	CHEM 1112	1
General Chemistry I Lab		General Chemistry II Lab	
ENGL 1301	3	ENGL 1302	3
English Composition I		English Composition II	
PSCI 2305	3	MATH 2412	4
American National Govt		Pre-Calculus	
UNIV 1101	1	UNIV 1102	1
Learning in a Global Context I		Learning in a Global Context II	
Total	15		16
SOPHOMORE YEAR		SOPHOMORE YEAR	
CHEM 2423	4	CHEM 2425	4
Organic Chemistry I		Organic Chemistry II	
BIOL	4	MATH 1342	3
Biology Elective ¹		Introductory Statistics	
HIST 1301	3	HIST 1302	3
The U.S. to 1877		The U.S. Since 1877	
PSCI 2306	3		3
American State Govt		Soc/Behavioral Science*	
ENGL	3	ENGL 2311	3
Language, Philosophy, Culture*		Technical Writing	
		Activity or Wellness*	1
Total	17		16
JUNIOR YEAR		JUNIOR YEAR	
BIOL 3413	4	BIOL 3410	4
Intro to Genetics		Ecology	
BIOL 4170	1	BIOL	4
Biology Seminar		Advanced Biology Elec ²	
PHYS 1301	3	PHYS 1302	3
General Physics I		General Physics II	
PHYS 1101	1	PHYS 1102	1
General Physics Lab		General Physics Lab	
Minor/Gen Elective**	3	Minor/Gen Elective**	3
Creative Arts*	3		
Total	15		15
SENIOR YEAR		SENIOR YEAR	
BIOL	4	BIOL	4
Advanced Biology Elec ²		Advanced Biology Elec ²	
BIOL	4	BIOL	4
Advanced Biology Elec ²		Advanced Biology Elec ²	
Adv Minor/Gen Elective**	3	BIOL	4
Adv Minor/Gen Elective**	3	Advanced Biology Elec ²	
Adv Minor/Gen Elective**	3	Adv Minor/Gen Elective**	3
Total	17		15

TOTAL SEMESTER CREDIT HOURS: 126

¹Biology electives, select 8 SCH from BIOL 1311/1111, 1413 or 2421.

²Advanced Biology electives, select 24 SCH from BIOL 3403, 3404, 3406, 3407, 3412, 3414, 3416, 3451, 4170, 4173-4473, 4371, 4402, 4404, 4408, 4409, 4420, 4425, 4440, 4441, 4471, ENSC 3310, 3401, 4170, 4173-4473, 4310, or 4430. BIOL 4173-4473 may be repeated for up to 8 SCH for credit within the degree.

*Actual degree plans may vary depending on availability of courses in a given semester.
Some courses may require prerequisites not listed.*