BIOLOGY CONCENTRATION IN PRE-HEALTH PROFESSIONS, BACHELOR OF SCIENCE

Requirements

General Requirements

Code	Title	Credits
Core Curriculum		42
Required Support Courses		28
Major (Required) Courses		27
Concentration Required Courses		21
Electives		2
Total Credits		**120**

- 36 upper-division credit hours required for degree
- 25% of courses must be taken at A&M-SA for degree
- CIP Code: 26.0101

All students must complete the University's Core Curriculum (https://catalog.tamusa.edu/undergraduate/academic-policies-procedures/core-curriculum/) and the specific requirements of the major. In some cases, a course that is required for a major may also be counted towards the Core Curriculum.

Code	Title	Credits
Core Curriculum		
ENGL 1301	Composition I	3
ENGL 1302	Composition II	3
or ENGL 2311	Technical Writing	
MATH 2313	Calculus I	3
BIOL 1306	Gen Biology I-Attr Living Sys [1]	3
BIOL 1307	Gen Biology II-Biol Organisms [1]	3
Lang/Phil/Cultural Studies		3
Creative Arts		3
HIST 1301	US History to 1865	3
HIST 1302	US History from 1865	3
GOVT 2305	Federal Government	3
GOVT 2306	Texas Government	3
PSYC 2301	General Psychology	3
CHEM 1311	General Chemistry I	3
CHEM 1312	General Chemistry II	3
Subtotal:		42
Required Support Courses		
UNIV 1301	First Year Seminar	3
MATH 2113	Calculus I Lab	1
CHEM 1111	General Chemistry Lab I	1
CHEM 1112	General Chemistry Lab II	1
CHEM 2123 & CHEM 2323	Organic Chemistry I Lab and Organic Chemistry I	4
CHEM 2125 & CHEM 2325	Organic Chemistry II Lab and Organic Chemistry II	4
PHYS 1101 & PHYS 1301	General Physics Lab I and General Physics I	4
PHYS 1102 & PHYS 1302	General Physics Lab II and General Physics II	4
SPCH 1315	Fund of Public Speaking	3
BIOL 3303	Animal Nutrition	3
or EDKN 3315	Functional Anatomy	
Subtotal:		28
Major Required Courses		
BIOL 1106	General Biology I Lab [1]	1
BIOL 1107	General Biology II - Lab [1]	1
BIOL 2401	Anatomy & Physiology I	4
or BIOL 3410	Comparative Vertebrate Anatomy	
BIOL 2402	Anatomy & Physiology II	4
or BIOL 3408	Animal Physiology	
BIOL 2415	Statistics in Biology & Medicn	4
BIOL 2411	Genetics	4
BIOL 2421	Introduction to Microbiology	4
BIOL 3402	Evolution	4
BIOL 4101	Seminar-Integrative Biology	1
or BIOL 4102	Seminar-Cell/Molecular Biology	
or BIOL 4103	Seminar-Zoology	
or BIOL 4104	Seminar-Ecology	
or BIOL 4106	Seminar in Health	
Subtotal:		27
Advanced Biology Electives for Pre-Health Concentration (Choose 3)		*12*
BIOL 3407	Ecology	
BIOL 3409	Cellular Physiology [2]	
BIOL 4401	Molecular Biology	
BIOL 4402	Developmental Biology	
BIOL 4406	Bacteriology	
BIOL 4407	Virology	
BIOL 4408	Immunology	
BIOL 4409	Biology of Disease Vectors	
BIOL 4430	Parasitology	
BIOL 4304	Undergrad Research in Biology	
Subtotal:		12
Concentration Required Courses		
CHEM 4341	Biochemistry I	3
Choose 2 of the following:		*6*
PSYC 3305	Social Psychology	
PSYC 3315	Health Psychology	
PSYC 3316	Physiological Psychology	
PSYC 3327	Lifespan Development [2]	
PSYC 4325	Abnormal Psychology [2]	
EDKN 4320	Motor Dev and Motor Learning	
Subtotal:		9
Electives		
As need to complete 120 credit hours.		2
Total Credits		**120**

[1] An earned letter grade of a C in the following courses is required for this degree: BIOL 1306 Gen Biology I-Attr Living Sys, BIOL 1106 General

Biology I Lab, BIOL 1307 Gen Biology II-Biol Organisms, BIOL 1107 General Biology II - Lab

[2] This course has prerequisites outside of the degree plan.

- BIOL 3409 Cellular Physiology requires BIOL 2411 Genetics and BIOL 2421 Introduction to Microbiology
- PSYC 3327 Lifespan Development requires PSYC 2301 General Psychology and PSYC 2388 Psychological Research/Stats I
- PSYC 4325 Abnormal Psychology requires PSYC 2301 General Psychology, PSYC 2388 Psychological Research/Stats I, PSYC 3488 Psyc Research & Stats II