

First Year							
Fall Term				Spring Term			
Course	Course Number	Course Group/Description	Required Credit Hours	Course	Course Number	Course Group/Description	Required Credit Hours
BIOL	1306	Biology for Science Majors I	3	BIOL	1307	Biology for Science Majors II	3
BIOL	1106	Biology for Science Majors I Lab	1	BIOL	1107	Biology for Science Majors II Lab	1
CHEM	1311	General Chemistry I	3	CHEM	1312	General Chemistry II	3
CHEM	1111	General Chemistry I Lab	1	CHEM	1112	General Chemistry II Lab	1
ENGL	1301	Rhetoric and Composition	3	ENGL	1302	Research and Argument	3
GOVT	2305	Federal Government	3	GOVT	2306	Texas Government	3
MATH	2211	Precalculus A	2	MATH	2212	Precalculus B	2
MATH	2011	Precalculus A Lab	0	MATH	2012	Precalculus B Lab	0
Total Semester Hours			16	Total Semester Hours			16
Second Year							
Fall Term				Spring Term			
Course	Course Number	Course Group/Description	Required Credit Hours	Course	Course Number	Course Group/Description	Required Credit Hours
BIOL	2361	Plant Form-Function Lecture	3	BIOL	2371	Animal Form-Function Lecture	3
BIOL	2061	Plant Form and Function Lab	0	BIOL	2071	Animal Form-Function Lab	0
CHEM	3331	Organic Chemistry I	3	ENGL	2311	Technical and Scientific Writing	3
CHEM	3131	Organic Chemistry I Lab	1	HIST	1301	United States History I	3
MATH	2313	Calculus I	3	PHYS	1301	Mechanics and Heat	3
MATH	2113	Calculus I Lab	1	PHYS	1101	Mechanics and Heat Laboratory	1
		Core SPCH	3	COSC	1301	Computer Science	3
Total Semester Hours			14	Total Semester Hours			16
Third Year							
Fall Term				Spring Term			
Course	Course Number	Course Group/Description	Required Credit Hours	Course	Course Number	Course Group/Description	Required Credit Hours
BIOL	3453	Genetics	4	HIST	1302	United States History II	3
BIOL	3053	Genetics Lab	0			Core LPC	3
BIOL	3481	General Ecology	4			Aquatic Science	4
BIOL	3081	General Ecology Lab	0	BIOL	3440	Animal (Including Human) Physiology & Animal (Including Human) Physiology Lab OR Plant Physiology & Plant Physiology Lab	4
		Additional Mathematics	3	BIOL	3040		
		Additional Sciences	3	BIOL	4465		
				BIOL	4065		
Total Semester Hours			14	Total Semester Hours			14
Fourth Year							
Fall Term				Spring Term			
Course	Course Number	Course Group/Description	Required Credit Hours	Course	Course Number	Course Group/Description	Required Credit Hours
BIOL	4389	Evolution	3			Core S/BS	3
		Aquatic Science	4			Advanced BIOL electives	6
		Advanced Survey Biology	6	BIOL	3461	Plant Kingdom	4
		Core CA	3	BIOL	3061	Plant Kingdom Lab	0
				BIOL	4199	Seminar in Biology	1
Total Semester Hours			16	Total Semester Hours			14
Degree							120

Course Group Key						
Course Group Name	Credit Hours	Courses in Group		Course Group Name	Credit Hours	Courses in Group
Core SPCH	3			Additional Sciences	3-4	
Public Speaking		SPCH	1315	Organic Chemistry II		CHEM 3332
Interpersonal Communication		SPCH	1318	Quantitative Analysis		CHEM 3421
Teamwork and Group Communication		SPCH	2333	Comprehensive Biochemistry I		CHEM 4352
Core LPC	3			Introductory Geology		GEOL 1303
Literary Genres		ENGL	2335	Historical Geology		GEOL 1304
Introduction to Mythology		ENGL	2309	Invertebrate Paleontology		GEOL 3361
British Literature to 1800		ENGL	2322	Electricity, Sound and Light		PHYS 1302
British Literature from 1800		ENGL	2323	Acoustical Physics		PHYS 1318
American Literature to 1865		ENGL	2327	Acoustical Methods		STAT 3342
American Literature from 1865		ENGL	2328	Introduction to Data Analytics		CSCI 1462
World Literature to 1650		ENGL	2332	Additional Sciences Lab	0-1	
World Literature from 1650		ENGL	2333	Quantitative Analysis Lab		CHEM 3021
Introduction to Literature		ENGL	2341	Organic Chemistry II Lab		CHEM 3132
Western Civilization I		HIST	2311	Comprehensive Biochemistry I Laboratory		CHEM 4152
Western Civilization II		HIST	2312	Introductory Geology Lab		GEOL 1103
World Civilizations I		HIST	2321	Historical Geology Lab		GEOL 1104
World Civilizations II		HIST	2322	Invertebrate Paleontology Lab		GEOL 3061
Introduction to Philosophy		PHIL	1301	Electricity, Sound and Light Laboratory		PHYS 1102
Introduction to World Religions		PHIL	1304	Acoustical Physics Lab		PHYS 1018
Introduction to Ethics		PHIL	2306	Computer Science	3	
Core CA	3			Introduction to Computing		COSC 1301
Art Appreciation		ARTS	1301	Computer Science Principles		CSCI 1302
Art History I (Prehistoric to the 14th century)		ARTS	1303	Introduction to Information Processing Systems		BCIS 1305
Art History II (14th Century to the present)		ARTS	1304	Introduction to Information Technology		CSIT 2301
Dance Appreciation		DANC	2303	Additional Mathematics	3	
Theatre Appreciation		DRAM	1310	Introduction to Probability and Statistics		MATH 1342
Film and Culture		DRAM	2366	OR		
Intro to Music Literature		MUMH	1307	Calculus II &		MATH 2314
Music Appreciation		MUSI	1306	Calculus II Lab		MATH 2114
Core S/BS	3			Advanced Survey Biology	3-4	
Cultural Anthropology		ANTH	2351	Mycology		BIOL 3360
Principles of Macroeconomics		ECON	2301	Microbiology for Science Majors		BIOL 3421
Principles of Microeconomics		ECON	2302	Behavioral Ecology		BIOL 4386
Intro to Human Dimensions and Recreation		FORS	2351	Herpetology		BIOL 4444
World Regional Geography		GEOG	1303	Mammalogy		BIOL 4446
Survey of Mass Communication		MCOM	1307	Ornithology		BIOL 4448
General Psychology		PSYC	2301	Advanced Survey Biology Lab	0	
Introduction to Sociology		SOCI	1301	Mycology Lab		BIOL 3060
Aquatic Science	3-6			Microbiology for Science Majors Lab		BIOL 3021
Marine Biology		BIOL	3317	Herpetology Lab		BIOL 4044
Invertebrate Natural History		BIOL	4434	Mammalogy Lab		BIOL 4046
Ichthyology		BIOL	4442	Ornithology Lab		BIOL 4048
Limnology		BIOL	4484			
Field-Based Ecological Methods		BIOL	4612			
Field Biology		BIOL	4682			
Oceanography		GEOL	3303			
Aquatic Science Lab	0					
Invertebrate Natural History Lab		BIOL	4034			
Ichthyology Lab		BIOL	4042			
Limnology Lab		BIOL	4084			

Course Group Name	Credit Hours	Courses in Group	
Advanced Bio Elective	3		
Cancer Biology		BIOL	3308
Marine Biology		BIOL	3317
Mycology		BIOL	3360
Economic Botany		BIOL	3362
Introduction to Forensic Sciences		BIOL	3370
Contemporary Biology		BIOL	3390
Microbiology for Science Majors		BIOL	3421
General Entomology		BIOL	3431
Economic Entomology		BIOL	3433
Animal (Including Human) Physiology		BIOL	3440
Embryology		BIOL	3441
Comparative Vertebrate Anatomy		BIOL	3443
Genetics		BIOL	3453
Plant Kingdom		BIOL	3461
General Ecology		BIOL	3481
Supervised Practicum in Advanced Biology		BIOL	4195
Seminar in Biology		BIOL	4199
Special Topics in Biology		BIOL	4317
Cellular Biology		BIOL	4351
Molecular Biology		BIOL	4352
Developmental Biology		BIOL	4354
Bioinformatics		BIOL	4356
Plant Anatomy		BIOL	4363
Plant Pathology		BIOL	4366
Terrestrial Plant Ecology		BIOL	4367
Plant Systematics		BIOL	4368
Behavioral Ecology		BIOL	4386
Evolution		BIOL	4389
Special Topics in Biology		BIOL	4398
Electron Microscopy		BIOL	4411
Virology		BIOL	4422
Pathogenic Bacteriology		BIOL	4428
Invertebrate Natural History		BIOL	4434
Parasitology		BIOL	4436
Ichthyology		BIOL	4442
Herpetology		BIOL	4444
Mammalogy		BIOL	4446
Ornithology		BIOL	4448
Animal Histology		BIOL	4455
Immunology		BIOL	4458
Plant Physiology		BIOL	4465
Limnology		BIOL	4484
Field-Based Ecological Methods		BIOL	4612
Field Biology		BIOL	4682