

Biology, B.S.

Course	Title	Semester Credit Hours
Freshman Year		
Semester 1		
BIOL 1306 & BIOL 1106	General Biology I and General Biology Laboratory I	4
CHEM 1311 & CHEM 1111	Gen Inorganic Chemistry I and Gen Inorganic Chem Lab I	4
ENGL 1301	Rhetoric and Composition	3
HIST 1301	American History to 1877	3
UNIV 1201	Learning in Global Context	2
Semester Credit Hours		16
Semester 2		
BIOL 1307 & BIOL 1107	General Biology II and General Biology Laboratory II	4
CHEM 1312 & CHEM 1112	Gen Inorganic Chemistry II and Gen Inorganic Chem Lab II	4
ENGL 1302	Rhetoric and Composition	3
HIST 1302	American History since 1877	3
Semester Credit Hours		14
Sophomore Year		
Semester 1		
BIOL, elective		4
MATH 1316	Trigonometry	3
Communications		3
POLS 2301	Government and Politics of US	3
Elective		4
Semester Credit Hours		17
Semester 2		
POLS 2302	Government and Politics of TX	3
Elective		4
Creative arts		3
Lang/Phil/Culture		3
Social/Behavioral		3
Semester Credit Hours		16
Junior Year		
Semester 1		
BIOL 3402	Genetics	4
Select one of the following:		4
BIOL 3408	Animal Physiology	
BIOL 4411		
BIOL 4426	Cellular Physiology	
Elective		8
Semester Credit Hours		16
Semester 2		
BIOL 3301	Evolutionary Theory	3
BIOL 3407	Ecology	4
Elective		6
Semester Credit Hours		13

Senior Year**Semester 1**

BIOL 4102	Seminar (WI)	1
BIOL, adv.		8
Select one of the following:		3
STAT 1342	Elementary Statistics	
STAT 4301	Biostatistics	
STAT 4303	Statistical Methods	
Semester Credit Hours		12

Semester 2

BIOL, adv.		7
Elective		6
Electives		3
Semester Credit Hours		16
Total Credit Hours Required:		120

Students planning to enter a graduate program in the biological sciences should take courses in Chemistry and Physics, including:

Code	Title	Semester Credit Hours
CHEM 3323 & CHEM 3123	Organic Chemistry I and Organic Chemistry Lab I	4
CHEM 3325 & CHEM 3125	Organic Chemistry II and Organic Chemistry Lab II	4
PHYS 1301 & PHYS 1101	College Physics I and Coll Physics I Laboratory	4
PHYS 1302 & PHYS 1102	College Physics II and College Physics II Lab	4

Students planning a career in environmental and/or field biology should take courses in Animal Science, Range and Wildlife, or Geographic Information Systems and take at least two of the following organismal courses:

Code	Title	Semester Credit Hours
BIOL 3403	Plant Taxonomy	4
BIOL 3405		4
BIOL 3409		4
BIOL 4425	Ornithology	4
BIOL 4427	Herpetology	4
BIOL 4429	Mammalogy	4

Students planning a career in an allied health field (e.g., physical therapy, occupational therapy, nursing, physical assistant) should also take the following courses:

Code	Title	Semester Credit Hours
BIOL 2401	Human Anatomy and Physiol	4
BIOL 2402	Human Anat and Physiology II	4
BIOL 2421	Elementary Microbiology	4

Students planning to enter a medical, dental or pharmacy school, should follow the B.S. in Biomedical Science Pre-Health Profession Option degree program.