

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
		Core SPCH	3	JTCH	1102	Step Two (Step II: Inquiry-Based Lesson Design	1
JTCH	1101	Step One (Step I: Inquiry Approaches to STEM Teaching	1	MATH	1342	Introduction to Probability and Statistics	3
Total Semester Hours			15	Total Semester Hours			15
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	3	BIOL	2371	Animal Form-Function	3
BIOL	2061	Plant Form and Function Lab	0	BIOL	2071	Animal Form-Function Lab	0
BIOL	3453	Genetics	4	ENGL	2311	Technical and Scientific Writing	3
BIOL	3053	Genetics Lab	0			Core CA	3
		Core LPC	3			Bio Teach Sciences	3
		Elective	2			Bio Teach Lab	1
JTCH	3301	Knowing and Learning	3	JTCH	3311	Classroom Interactions	3
Total Semester Hours			15	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	3421	Microbiology for Science Majors	4	BIOL	3481	General Ecology	3
BIOL	3021	Microbiology for Science Majors Lab	0	BIOL	3081	General Ecology Lab	0
JTCH	3361	Perspectives	3	BIOL	3440	Animal (Including Human) Physiology	4
MATH	2313	Calculus I	3	BIOL	3040	Animal (Including Human) Physiology Lab	0
MATH	2113	Calculus I Lab	1	HIST	1301	United States History I	3
		Computer Science	3			Core S/BS	3
				JTCH	4351	Research Methods	3
Total Semester Hours			14	Total Semester Hours			16
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	3443	Comparative Vertebrate Anatomy	4	GOVT	2306	Texas Government	3
BIOL	3043	Comparative Vertebrate Anatomy Lab	0	JTCH	4901	Apprentice Teaching	9
BIOL	4389	Evolution	3				
BIOL	4199	Seminar in Biology	1				
GOVT	2305	Federal Government	3				
HIST	1302	United States History II	3				
JTCH	4301	PBI (Project Based Instruction)	3				
Total Semester Hours			17	Total Semester Hours			12
Degree							120

Course Group Key			
Course Group Name	Credit Hours	Courses in Group	
Core SPCH	3		
Public Speaking		SPCH	1315
Interpersonal Communication		SPCH	1318
Teamwork and Group Communication		SPCH	2333
Core LPC	3		
Literary Genres		ENGL	2335
Introduction to Mythology		ENGL	2309
British Literature to 1800		ENGL	2322
British Literature from 1800		ENGL	2323
American Literature to 1865		ENGL	2327
American Literature from 1865		ENGL	2328
World Literature to 1650		ENGL	2332
World Literature from 1650		ENGL	2333
Introduction to Literature		ENGL	2341
Western Civilization I		HIST	2311
Western Civilization II		HIST	2312
World Civilizations I		HIST	2321
World Civilizations II		HIST	2322
Introduction to Philosophy		PHIL	1301
Introduction to World Religions		PHIL	1304
Introduction to Ethics		PHIL	2306
Core CA	3		
Art Appreciation		ARTS	1301
Art History I (Prehistoric to the 14th century)		ARTS	1303
Art History II (14th Century to the present)		ARTS	1304
Dance Appreciation		DANC	2303
Theatre Appreciation		DRAM	1310
Film and Culture		DRAM	2366
Intro to Music Literature		MUMH	1307
Music Appreciation		MUSI	1306
Core S/BS	3		
Cultural Anthropology		ANTH	2351
Principles of Macroeconomics		ECON	2301
Principles of Microeconomics		ECON	2302
Intro to Human Dimensions and Recreation		FORS	2351
World Regional Geography		GEOG	1303
Survey of Mass Communication		MCOM	1307
General Psychology		PSYC	2301
Introduction to Sociology		SOCI	1301
Bio Teach Sciences	3-4		
Classical and Modern Astronomy		ASTR	1303
Organic Chemistry I		CHEM	3331
Organic Chemistry II		CHEM	3332
Introductory Geology		GEOL	1303
Historical Geology		GEOL	1304
Mechanics and Heat		PHYS	1301
Electricity, Sound and Light		PHYS	1302
Introduction to Data Analytics		CSCI	1462
Bio Teach Lab	1		
Classical and Modern Astronomy Lab		ASTR	1103
Organic Chemistry I Lab		CHEM	3131
Organic Chemistry II Lab		CHEM	3132
Introductory Geology Lab		GEOL	1103
Historical Geology Lab		GEOL	1104
Mechanics and Heat Lab		PHYS	1101