

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	1306/1106	Biology for Science Majors I / Lab	4	BIOL	1307/1107	Biology for Science Majors II / Lab	4
CHEM	1311/1111	General Chemistry I / Lab	4	CHEM	1312/1112	General Chemistry II / Lab	4
ENGL	1301	Rhetoric and Composition	3	ENGL	1302	Research and Argument	3
JTCH	1101	Step 1: Inquiry Approaches to STEM Teaching	1	JTCH	1102	Step II: Inquiry-Based Lesson Design	1
MATH*	2211/2011	Precalculus A/Lab	2	MATH	1342	Introduction to Probability and Statistics	3
Total Semester Hours			14	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	2371/2071	Animal Form and Function / Lab	3	BIOL	2361/2061	Plant Form and Function / Lab	3
BIOL	3453/3053	Genetics / Lab	4	ENGL	2311	Technical and Scientific Writing	3
JTCH	3301	Knowing and Learning	3	JTCH	3311	Classroom Interactions	3
MATH*	2212/2012	Precalculus B / Lab	2			Core CA	3
		Core LPC	3			Biology Teaching Science / Lab	4
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	3421/3021	Microbiology for Science Majors / Lab	4	BIOL	3481/3081	General Ecology / Lab	4
HIST	1301	United States History I	3	BIOL	3440/3040	Animal (including Human) Physiology / Lab	4
JTCH	3361	Perspectives	3	HIST	1302	United States History II	3
MATH	2313/2113	Calculus I / Lab	4	JTCH	4351	Research Methods	3
		Computer Science	3			Core S/BS	3
Total Semester Hours			17	Total Semester Hours			17
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	3443/3043	Comparative Vertebrate Anatomy / Lab	4	GOVT	2306	Texas Government	3
BIOL	4389	Evolution	3	JTCH	4901	Apprentice Teaching	9
BIOL	4199	Seminar in Biology	1				
GOVT	2305	Federal Government	3				
JTCH	4301	PBI (Project Based Instruction)	3				
Total Semester Hours			14	Total Semester Hours			12
Total Hours for Degree						120	

* Only required if test scores do not meet Calculus I requirements.