

First Year							
Fall Term				Spring Term			
Course	Course Number	Course Group/Description	Required Credit Hours	Course	Course Number	Course Group/Description	Required Credit Hours
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
		Comp Sci Elective	3	JTCH	1102	Step Two (Step II: Inquiry-Based Lesson Design)	1
MATH	2211	Precalculus A	2	GOVT	2305	Federal Government	3
MATH	2011	Precalculus A Lab	0	MATH	2212	Precalculus B	2
JTCH	1101	Step One (Step I: Inquiry Approaches to STEM Teaching)	1	MATH	2012	Precalculus B Lab	0
ENGL	1301	Rhetoric and Composition	3	ENGL	1302	Research and Argument	3
HIST	1301	United States History I	3	HIST	1302	United States History II	3
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
CHEM	3331	Organic Chemistry I	3	CHEM	3332	Organic Chemistry II	3
CHEM	3131	Organic Chemistry I Lab	1	CHEM	3132	Organic Chemistry II Lab	1
CHEM	2175	Special Problems	1	CHEM	4175	Special Problems	1
MATH	2313	Calculus I	3	JTCH	3311	Classroom Interactions	3
MATH	2113	Calculus I Lab	1	MATH	2314	Calculus II	3
JTCH	3301	Knowing and Learning	3	MATH	2114	Calculus II Lab	1
JTCH	3351	Functions and Modeling	3			Core SPCH	3
Total Semester Hours			15	Total Semester Hours			15
Third Year							
Fall Term				Spring Term			
Course	Course Number	Course Group/Description	Required Credit Hours	Course	Course Number	Course Group/Description	Required Credit Hours
CHEM	3311	Inorganic Chemistry	3	CHEM	3421	Quantitative Analysis	4
CHEM	3437	Physical Chemistry I	4	CHEM	3021	Quantitative Analysis Lab	0
CHEM	3037	Physical Chemistry I Lab	0			PHYS Elective lecture	3
		PHYS Elective lecture	3			PHYS Elective lab	1
		PHYS Elective lab	1	JTCH	4351	Research Methods	3
JTCH	3361	Perspectives	3	ENGL	2311	Technical and Scientific Writing	3
CHEM	4381	Laboratory Internship	3				
Total Semester Hours			17	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
CHEM	4352	Inorganic Chemistry	3	CHEM	4170	A, B, C, D Seminar	1
CHEM	4152	Inorganic Chemistry Lab	1	JTCH	4701	Apprentice Teaching	7
CHEM	4443	Instrumental Analysis	4	GOVT	2306	Texas Government	3
CHEM	4043	Instrumental Analysis Lab	0			Core LPC	3
JTCH	4301	PBI (Project Based Instruction)	3				
		Core S/BS	3				
		Core CA	3				
Total Semester Hours			17	Total Semester Hours			14
Total Hours for Degree							124

Course Group Key						
Course Group Name	Credit Hours	Courses in Group		Course Group Name	Credit Hours	Courses in Group
Core SPCH	3			Core S/BS	3	
Public Speaking		SPCH	1315	Cultural Anthropology		ANTH 2351
Interpersonal Communication		SPCH	1318	Principles of Macroeconomics		ECON 2301
Teamwork and Group Communication		SPCH	2333	Principles of Microeconomics		ECON 2302
Core LPC	3			Intro to Human Dimensions and Recreation		FORS 2351
Literary Genres		ENGL	2335	World Regional Geography		GEOG 1303
Introduction to Mythology		ENGL	2309	Survey of Mass Communication		MCOM 1307
British Literature to 1800		ENGL	2322	General Psychology		PSYC 2301
British Literature from 1800		ENGL	2323	Introduction to Sociology		SOCI 1301
American Literature to 1865		ENGL	2327	PHYS Elective lecture	3	
American Literature from 1865		ENGL	2328	Mechanics and Heat		PHYS 1301
World Literature to 1650		ENGL	2332	Electricity, Sound and Light		PHYS 1302
World Literature from 1650		ENGL	2333	Technical Physics I		PHYS 2325
Introduction to Literature		ENGL	2341	Technical Physics II		PHYS 2326
Western Civilization I		HIST	2311	PHYS Elective Lab	1	
Western Civilization II		HIST	2312	Mechanics and Heat Lab		PHYS 1101
World Civilizations I		HIST	2321	Electricity, Sound and Light Lab		PHYS 1102
World Civilizations II		HIST	2322	Technical Physics I Lab		PHYS 2125
Introduction to Philosophy		PHIL	1301	Technical Physics II Lab		PHYS 2126
Introduction to World Religions		PHIL	1304	Comp Sci Elective	3	
Introduction to Ethics		PHIL	2306	Introduction to Computing		COSC 1301
Core CA	3			Computer Science Principles		CSCI 1302
Art Appreciation		ARTS	1301	Introduction to Information Processing Systems		BCIS 1305
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 CCA	3					
Business Communication		BUSI	2304			
Technical and Scientific Writing		ENGL	2311			
Elementary French I		FREN	1311			
Elementary French II		FREN	1312			
Elementary German I		GERM	1311			
Elementary German II		GERM	1312			
International & Intercultural Comm-Latin America		INCM	1301			
International & Intercultural Comm-France		INCM	1302			
International & Intercultural Comm-Germany		INCM	1303			
International & Intercultural Comm-Brazil		INCM	1304			
Elementary Portuguese I		PORT	1311			
Elementary Portuguese II		PORT	1312			
Beginning American Sign Language		SGNL	1301			
Intermediate American Sign Language		SGNL	1302			
Elementary Spanish I		SPAN	1311			
Elementary Spanish II		SPAN	1312			