

Freshman Year							
Fall Term				Spring Term			
Course	Course Number	Course Description	Required Credit Hours	Course	Course Number	Course 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
ENGL	1301	Rhetoric and Composition	3	MATH	2313	Calculus I	3
HIST	1301	United States History I	3	MATH	2113	Calculus I Lab	1
		SPCH	3	ENGL	1302	Research and Argument	3
		Creative Arts	3	HIST	1302	United States History II	3
JTCH	1101	Step 1: Inquiry Approaches to Teaching	1	JTCH	1102	Step 2: Inquiry-Based Lesson Design	1
				GOVT	2305	Federal Government	3
<b>Total Semester Hours</b>			<b>17</b>	<b>Total Semester Hours</b>			<b>18</b>
Sophomore Year							
Fall Term				Spring Term			
Course	Course Number	Course Description	Required Credit Hours	Course	Course Number	Course 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
MATH	2314	Calculus II	3	ENGL	2311	Technical Writing	3
MATH	2114	Calculus II Lab	1	GOVT	2306	Texas Government	3
PHYS	1301	Mechanics and Heat	3			LPC	3
PHYS	1101	Mechanics and Heat Lab	1	JTCH	3301	Knowing and Learning in Math and Science	3
		Social Science	3				
<b>Total Semester Hours</b>			<b>15</b>	<b>Total Semester Hours</b>			<b>16</b>

Junior Year							
Fall Term				Spring Term			
Course	Course Number	Course Description	Required Credit Hours	Course	Course Number	Course Description	Required Credit Hours
CHEM	3311	Inorganic Chemistry	3	CHEM	3421	Quantitative Analysis	4
CHEM	4352	Comprehensive Biochemistry I	3	CHEM	3021	Quantitative Analysis Lab	0
CHEM	4152	Comprehensive Biochemistry I Lab	1	CHEM	4175	Supervised Problems	1
CHEM	2175	Supervised Problems	1	PHYS	1302	Electricity, Light and Sound	3
		Computer Science	3	PHYS	1102	Electricity, Light and Sound Lab	1
JTCH	3361	Perspectives on Science and Mathematics	3	JTCH	3311	Classroom Interactions	3
				JTCH	4351	Research Methods	3
<b>Total Semester Hours</b>			14	<b>Total Semester Hours</b>			15
Senior Year							
Fall Term				Spring Term			
Course	Course Number	Course Description	Required Credit Hours	Course	Course Number	Course Description	Required Credit Hours
CHEM	3437	Physical Chemistry I	4	CHEM	4170	Seminar	1
CHEM	3037	Physical Chemistry I Lab	0	JTCH	4901	Apprentice Teaching	9
CHEM	4443	Instrumental Analysis	4				
CHEM	4043	Instrumental Analysis Lab	0				
CHEM	4381	Laboratory Internship	3				
JTCH	4301	Project Based Instruction	3				
<b>Total Semester Hours</b>			14	<b>Total Semester Hours</b>			10