

First Year				Spring Term			
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	CHEM	1312	General Chemistry II	3
BIOL	1106	Biology for Science Majors I Lab	1	CHEM	1112	General Chemistry II Lab	1
CHEM	1311	General Chemistry I	3	BIOL	1307	Biology for Science Majors II	3
CHEM	1111	General Chemistry I Lab	1	BIOL	1107	Biology for Science Majors II Lab	1
MATH	2211	Precalculus A	2	MATH	2212	Precalculus B	2
MATH	2011	Precalculus A Lab	0	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				Spring Term			
Fall Term				Spring Term			
Course	Course Number	Course Group/Description	Required Credit Hours	Course	Course Number	Course Group/Description	Required Credit Hours
CHEM	2175	Special Problems	1	BIOL	3453	Genetics	4
CHEM	3331	Organic Chemistry I	3	BIOL	3053	Genetics Lab	0
CHEM	3131	Organic Chemistry I Lab	1	CHEM	3332	Organic Chemistry II	3
ENGL	2311	Technical and Scientific Writing	3	CHEM	3132	Organic Chemistry II Lab	1
MATH	2313	Calculus I	3	CHEM	4175	Special Problems	1
MATH	2113	Calculus I Lab	1	MATH	2314 or 1342	Calculus II or Intro to Prob and Stats	3
		Comp Sci Elective	3	MATH 2114 or Elective		Calculus II Lab or 1 hr. Elective	1
Total Semester Hours			15			Core LPC	3
				Semester			16
Third Year				Spring Term			
Fall Term				Spring Term			
Course	Course Number	Course Group/Description	Required Credit Hours	Course	Course Number	Course Group/Description	Required Credit Hours
CHEM	4352	Comprehensive Biochemistry I	3	CHEM	3421	Quantitative Analysis	4
CHEM	4152	Comprehensive Biochemistry I Lab	1	CHEM	3021	Quantitative Analysis Lab	0
PHYS	1301 or 2325	Mechanics and Heat or Technical Physics I	3	PHYS	1302 or 2326	Electricity, Sound and Light or Technical Physics II	3
PHYS	1101 or 2125	Mechanics and Heat or Technical Physics I Lab	1	PHYS	1102 or 2126	Electricity, Sound and Light or Technical Physics II Lab	1
GOVT	2305	Federal Government	3	GOVT	2306	Texas Government	3
		Core S/BS	3	COSC	1301	Introduction to Computing	3
CHEM	4164	Theory of Biochemical Methods	1	CHEM	4453	Comprehensive Biochemistry II	4
Total Semester Hours			15	Semester			18
Fourth Year				Spring Term			
Fall Term				Spring Term			
Course	Course Number	Course Group/Description	Required Credit Hours	Course	Course Number	Course Group/Description	Required Credit Hours
CHEM	4443	Instrumental Analysis	4	CHEM	4170	Inorganic Chemistry	1
CHEM	4043	Instrumental Analysis Lab	0	CHEM	4354	Biochemical Techniques	3
		Elective or BIOL Minor	4	CHEM	4054	Biochemical Techniques Lab	0
		Core SPCH	3			Core CA	3
CHEM	3336 or 3437	Physical Chem for Bio Sciences or Physical Chemistry I	3			Elective or BIOL Minor	4
CHEM 3037 or Elective		Physical Chemistry I Lab or 1 hr. Elective	1			Elective	4
Total Semester Hours			15	Semester			15
Total Hours for Degree							126

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	Comp Sci Elective	3	
American Literature from 1865		ENGL	2328	Introduction to Computing		COSC 1301
World Literature to 1650		ENGL	2332	Computer Science Principles		CSCI 1302
World Literature from 1650		ENGL	2333	Intro to Information Processing Systems		BCIS 1305
Introduction to Literature		ENGL	2341	BIOL elective 4hr	4	
Western Civilization I		HIST	2311	Microbiology for Science Majors		BIOL 3421
Western Civilization II		HIST	2312	Animal (Including Human) Physiology		BIOL 3440
World Civilizations I		HIST	2321	Comparative Vertebrate Anatomy (lecture)		BIOL 3443
World Civilizations II		HIST	2322	Genetics (lecture)		BIOL 3453
Introduction to Philosophy		PHIL	1301	Cellular Biology		BIOL 4351
Introduction to World Religions		PHIL	1304	Molecular Biology		BIOL 4352
Introduction to Ethics		PHIL	2306	BIOL lab elective 4hr	0	
Core CA	3			Microbiology for Science Majors Lab		BIOL 3021
Art Appreciation		ARTS	1301	Animal (Including Human) Physiology Lab		BIOL 3040
Art History I (Prehistoric to the 14th century)		ARTS	1303	Comparative Vertebrate Anatomy Lab		BIOL 3043
Art History II (14th Century to the present)		ARTS	1304	Genetics Lab		BIOL 3053
Dance Appreciation		DANC	2303	CHEM 3000-4000	3	
Theatre Appreciation		DRAM	1310	Special Problems		CHEM 3176
Film and Culture		DRAM	2366	Inorganic Chemistry		CHEM 3311
Intro to Music Literature		MUMH	1307	Chemical Concepts		CHEM 3320
Music Appreciation		MUSI	1306	Applied Chemical Concepts		CHEM 3321
Core CCA	3			Fundamentals of Organic Chemistry		CHEM 3330
Business Communication		BUSI	2304	Introduction to Fermentation Science		CHEM 3365
Technical and Scientific Writing		ENGL	2311	Fundamental Applications of Chemistry		CHEM 3402
Elementary French I		FREN	1311	Physical Chemistry II		CHEM 3438
Elementary French II		FREN	1312	Advanced Special Topics		CHEM 4171
Elementary German I		GERM	1311	Introduction to Intellectual Property		CHEM 4172
Elementary German II		GERM	1312	Special Problems		CHEM 4176
International & Intercultural Comm-Latin America		INCM	1301	Patent Application		CHEM 4273
International & Intercultural Comm-France		INCM	1302	Advanced Inorganic Chemistry		CHEM 4341
International & Intercultural Comm-Germany		INCM	1303	Advanced Organic Chemistry		CHEM 4355
International & Intercultural Comm-Brazil		INCM	1304	Industrial Internship		CHEM 4380
Elementary Portuguese I		PORT	1311	Laboratory Internship		CHEM 4381
Elementary Portuguese II		PORT	1312	Environmental Chemistry		CHEM 4420
Beginning American Sign Language		SGNL	1301	Industrial Fermentation Technology		CHEM 4466
Intermediate American Sign Language		SGNL	1302	Elective	3	Any course offered by SFA
Elementary Spanish I		SPAN	1311			
Elementary Spanish II		SPAN	1312			