

Fall Term			
Course	Course Number	Course Group/Description	Required Credit Hours
PHYS	1308	Introduction to Engineering/Physics	3
PHYS	1008	Introduction to Engineering/Physics Lab	0
MATH	2211	Precalculus A	2
MATH	2011	Precalculus A Lab	0
MATH	2212	Precalculus B	2
MATH	2012	Precalculus B Lab	0
ENGL	1301	Rhetoric and Composition	3
		Core SPCH	3
		Core S/BS	3
Total Semester Hours			16

Spring Term			
Course	Course Number	Course Group/Description	Required Credit Hours
PHYS	2325	Technical Physics I	3
PHYS	2125	Technical Physics I Laboratory	1
MATH	2313	Calculus I	3
MATH	2113	Calculus I Lab	1
ENGL	1302	Research and Argument	3
		Core CA	3
		Core CCA	3
Total Semester Hours			17

Fall Term				Spring Term			
Course	Course Number		Required Credit Hours	Course	Course Number	Course Group/Description	Required Credit Hours
PHYS	2326	Technical Physics II	3	PHYS	2305	Linear Circuit Analysis I	3
PHYS	2126	Technical Physics II Laboratory	1	PHYS	2105	Linear Circuit Analysis I Lab	1
MATH	2314	Calculus II Lab	3	CHEM	1312	General Chemistry II	3
MATH	2114	Calculus II Lab	1	CHEM	1112	General Chemistry II Lab	1
CHEM	1311	General Chemistry I	3	MATH	3315	Calculus III	3
CHEM	1111	General Chemistry I Lab	1	MATH	3115	Calculus III Lab	1
HIST	1301	United States History I	3	HIST	1302	United States History II	3
Total Semester Hours			15	Total Semester Hours			15

Fall Term				Spring Term			
Course	Course Number	Course Group/Description	Required Credit Hours	Course	Course Number	Course Group/Description	Required Credit Hours
PHYS	3347	Mathematical Applications in Physics I	3	PHYS	3421	Engineering Dynamics	4
PHYS	3333	Modern Physics	3	PHYS	3021	Engineering Dynamics Lab	0
PHYS	3133	Modern Physics Laboratory	1	GOVT	2305	Federal Government	3
MATH	3330	Differential Equations	3	ENGR	3343	Digital Systems	3
CSCI	1302	Computer Science Principles	3	ENGR	3043	Digital Systems Laboratory	0
		Core LPC	3			Elective	3
Total Semester Hours			16	Total Semester Hours			13

Fall Term				Spring Term			
Course	Course Number	Course Group/Description	Required Credit Hours	Course	Course Number	Course Group/Description	Required Credit Hours
PHYS	4175	Introductory Quantum Mechanics	1	PHYS	4170	Undergrad Research & Tech Presentations	1
GOVT	2306	Texas Government	3	PHYS	4340	Introduction to Electricity and Magnetism	3
PHYS	4371	Intro to Microanalytical Lab Techniques	3	PHYS	4473	Applied Optics	4
PHYS	4071	Intro to Microanalytical Lab Techniques Lab	0	PHYS	4073	Applied Optics Lab	0
		Elective	4	PHYS	4372	Computational Physics	3
		Elective	3			Elective	3
Total Semester Hours			14	Total Semester Hours			14

Total Hours for Degree	120
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Course Group Key						
Course Group Name	Credit Hours	Courses in Group		Course Group Name	Credit Hours	Courses in Group
Core SPCH	3			Core CA	3	
Public Speaking		SPCH	1315	Art Appreciation		ARTS 1301
Interpersonal Communication		SPCH	1318	Art History I (Prehistoric to the 14th century)		ARTS 1303
Teamwork and Group Communication		SPCH	2333	Art History II (14th Century to the present)		ARTS 1304
Core S/BS	3			Dance Appreciation		DANC 2303
Cultural Anthropology		ANTH	2351	Theatre Appreciation		DRAM 1310
Principles of Macroeconomics		ECON	2301	Film and Culture		DRAM 2366
Principles of Microeconomics		ECON	2302	Intro to Music Literature		MUMH 1307
Intro to Human Dimensions and Recreation		FORS	2351	Music Appreciation		MUSI 1306
World Regional Geography		GEOG	1303	Physics Elective Group	1-4	
Survey of Mass Communication		MCOM	1307	Observational Astronomy		ASTR 3305
General Psychology		PSYC	2301	Astrophysics		ASTR 3335
Introduction to Sociology		SOCI	1301	Linear Circuit Analysis I		PHYS 2305
Core LPC	3			Engineering Statics		PHYS 2401
Literary Genres		ENGL	2335	Digital Systems		PHYS 3343
Introduction to Mythology		ENGL	2309	Special Problems		PHYS 4175
British Literature to 1800		ENGL	2322	Special Problems		PHYS 4176
British Literature from 1800		ENGL	2323	Physics Elective Group Lab		
American Literature to 1865		ENGL	2327	Linear Circuit Analysis I Lab		PHYS 2105
American Literature from 1865		ENGL	2328	Engineering Statics Lab		PHYS 2001
World Literature to 1650		ENGL	2332	Digital Systems Laboratory		PHYS 3043
World Literature from 1650		ENGL	2333	Elective	3	Any course at SFA
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 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			