Total Semester Hours

Total Hours for Degree

13 120

First Yea	ar						
Fall Term				Spring Ter			
	Course		Required Credit		Course		Required
Course	Number	Course Group/Description	Hours	Course	Number	Course Group/Description	Credit Hou
PHYS	1308	Introduction to Engineering/Physics	3	PHYS	2325	Technical Physics I	3
PHYS	1008	Introduction to Engineering/Physics Lab	0	PHYS	2125	Technical Physics I Laboratory	1
MATH	2211	Precalculus A	2	MATH	2313	Calculus I	3
MATH	2011	Precalculus A Lab	0	MATH	2113	Calculus I Lab	1
MATH	2212	Precalculus B	2	ENGL	1302	Research and Argument	3
MATH	2012	Precalculus B Lab	0			Core CA	3
ENGL	1301	Rhetoric and Composition	3			Core CCA	3
		Core SPCH	3				
		Core S/BS	3				
		Total Semester Hours	16			Total Semester Hours	17
Second	7.7			Construct T			
all Term	Course		Required Credit	Spring Ter	m Course		Required
Course	Number		Hours	Course	Number	Course Group/Description	Credit Hou
		Technical Physics II				Linear Circuit Analysis I	
PHYS	2326		3	PHYS	2305		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 General Chemistry II Lab	3
MATH	2114	Calculus II Lab	1	CHEM	1112	Calculus III	1
CHEM	1311	General Chemistry I I ab	3	MATH	3315	Calculus III Calculus III Lab	3
CHEM	1111 1301	General Chemistry I Lab United States History I	3	MATH	3115 1302	United States History II	3
пы	1201	Utilited States History I					
		,	, ,	11131	1302	Office States History II	3
		Total Semester Hours		11131	1302	Total Semester Hours	-
				11131	1302	,	-
Third Ve	ear			11131	1302	,	
	ear			Spring Ter		,	
	ear					,	
			15		'm	,	15 Required
Fall Term	Course	Total Semester Hours	15 Required Credit	Spring Ter	rm Course	Total Semester Hours	15 Required
Fall Term Course	Course Number	Total Semester Hours Course Group/Description	15 Required Credit Hours	Spring Ter	m Course Number	Total Semester Hours Course Group/Description	15 Required Credit Hou
PHYS	Course Number 3347	Total Semester Hours Course Group/Description Mathematical Applications in Physics I	15 Required Credit Hours 3	Spring Ter Course PHYS	Course Number 3421	Total Semester Hours Course Group/Description Engineering Dynamics	Required Credit Hou
Course PHYS PHYS	Course Number 3347 3333	Total Semester Hours Course Group/Description Mathematical Applications in Physics I Modern Physics	Required Credit Hours 3 3	Spring Ter Course PHYS PHYS	Course Number 3421 3021	Total Semester Hours Course Group/Description Engineering Dynamics Engineering Dynamics Lab	Required Credit Hour 4
Course PHYS PHYS PHYS	Course Number 3347 3333 3133	Course Group/Description Mathematical Applications in Physics I Modern Physics Modern Physics Laboratory	Required Credit Hours 3 3 1	Spring Ter Course PHYS PHYS	Course Number 3421 3021	Course Group/Description Engineering Dynamics Engineering Dynamics Lab Federal Government	Required Credit Hour 4 0 3
Course PHYS PHYS PHYS MATH	Course Number 3347 3333 3133 3330	Course Group/Description Mathematical Applications in Physics I Modern Physics Modern Physics Laboratory Differential Equations	Required Credit Hours 3 3 1 1	Spring Ter Course PHYS PHYS	Course Number 3421 3021	Course Group/Description Engineering Dynamics Engineering Dynamics Lab Federal Government Physics Elecive Group	Required Credit Hour 4 0 3 4
Course PHYS PHYS PHYS MATH	Course Number 3347 3333 3133 3330	Course Group/Description Mathematical Applications in Physics I Modern Physics Modern Physics Laboratory Differential Equations Computer Science Principles	Required Credit Hours 3 3 1 3 3 3	Spring Ter Course PHYS PHYS	Course Number 3421 3021	Course Group/Description Engineering Dynamics Engineering Dynamics Lab Federal Government Physics Elecive Group Physics Elecive Group Lab	Required Credit Hour 4 0 3 4 0
Course PHYS PHYS PHYS MATH	Course Number 3347 3333 3133 3330	Course Group/Description Mathematical Applications in Physics I Modern Physics Modern Physics Laboratory Differential Equations Computer Science Principles	Required Credit Hours 3 3 1 3 3 3 3	Spring Ter Course PHYS PHYS	Course Number 3421 3021	Course Group/Description Engineering Dynamics Engineering Dynamics Lab Federal Government Physics Elecive Group Physics Elecive Group Lab	Required Credit Hour 4 0 3 4 0 3 3
Course PHYS PHYS PHYS MATH	Course Number 3347 3333 3133 3330	Course Group/Description Mathematical Applications in Physics I Modern Physics Modern Physics Laboratory Differential Equations Computer Science Principles Core LPC	Required Credit Hours 3 3 1 3 3 3 3	Spring Ter Course PHYS PHYS	Course Number 3421 3021	Course Group/Description Engineering Dynamics Engineering Dynamics Lab Federal Government Physics Elecive Group Physics Elecive Group Lab Elective	Required Credit Hour 4 0 3 4 0 3
Course PHYS PHYS PHYS MATH CSCI	Course Number 3347 3333 3133 3330 1302	Course Group/Description Mathematical Applications in Physics I Modern Physics Modern Physics Laboratory Differential Equations Computer Science Principles Core LPC	Required Credit Hours 3 3 1 3 3 3 3	Spring Ter Course PHYS PHYS	Course Number 3421 3021	Course Group/Description Engineering Dynamics Engineering Dynamics Lab Federal Government Physics Elecive Group Physics Elecive Group Lab Elective	Required Credit Hour 4 0 3 4 0 3
Course PHYS PHYS PHYS MATH CSCI	Course Number 3347 3333 3133 3330 1302	Course Group/Description Mathematical Applications in Physics I Modern Physics Modern Physics Laboratory Differential Equations Computer Science Principles Core LPC	Required Credit Hours 3 3 1 3 3 16	Spring Ter Course PHYS PHYS	Course Number 3421 3021 2305	Course Group/Description Engineering Dynamics Engineering Dynamics Lab Federal Government Physics Elecive Group Physics Elecive Group Lab Elective	Required Credit Hour 4 0 3 4 0 3 14
Course PHYS PHYS PHYS MATH CSCI	Course Number 3347 3333 3133 3330 1302	Course Group/Description Mathematical Applications in Physics I Modern Physics Modern Physics Laboratory Differential Equations Computer Science Principles Core LPC	Required Credit Hours 3 3 1 3 3 3 3	Spring Ter Course PHYS PHYS GOVT	Course Number 3421 3021 2305	Course Group/Description Engineering Dynamics Engineering Dynamics Lab Federal Government Physics Elecive Group Physics Elecive Group Lab Elective	15 Required Credit Hour 4 0 3 4 0 3 14
Course PHYS PHYS PHYS MATH CSCI	Course Number 3347 3333 3133 3330 1302	Course Group/Description Mathematical Applications in Physics I Modern Physics Modern Physics Laboratory Differential Equations Computer Science Principles Core LPC	Required Credit Hours 3 3 1 3 3 16	Spring Ter Course PHYS PHYS GOVT	Course Number 3421 3021 2305	Course Group/Description Engineering Dynamics Engineering Dynamics Lab Federal Government Physics Elecive Group Physics Elecive Group Lab Elective	Required Credit Hour 4 0 3 4 0 3 14 Required
Course PHYS PHYS PHYS MATH CSCI	Course Number 3347 3333 3133 3330 1302 Year	Course Group/Description Mathematical Applications in Physics I Modern Physics Modern Physics Laboratory Differential Equations Computer Science Principles Core LPC Total Semester Hours	Required Credit Hours 3 3 1 3 1 3 16	Spring Ter Course PHYS PHYS GOVT	Course Number 3421 3021 2305	Course Group/Description Engineering Dynamics Engineering Dynamics Lab Federal Government Physics Elecive Group Physics Elecive Group Lab Elective Total Semester Hours	Required Credit Hou 4 0 3 4 0 3 3 4 4 0 3 3 4 4 0 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
Course PHYS PHYS PHYS MATH CSCI Courth Courth Course PHYS	Course Number 3347 3333 3133 3330 1302 Year Course Number 4175	Course Group/Description Mathematical Applications in Physics I Modern Physics Modern Physics Laboratory Differential Equations Computer Science Principles Core LPC Total Semester Hours Course Group/Description	Required Credit Hours 3 3 1 3 3 16 Required Credit Hours 1	Spring Ter Course PHYS PHYS GOVT Spring Ter Course PHYS	Course Number 3421 3021 2305 Course Number 4170	Course Group/Description Engineering Dynamics Engineering Dynamics Lab Federal Government Physics Elecive Group Physics Elecive Group Lab Elective Total Semester Hours Course Group/Description Undergrad Research & Tech Presentations	Required Credit Hou 4 0 3 4 0 3 14 Required Credit Hou
Course PHYS PHYS PHYS MATH CSCI Fourth Course	Course Number 3347 3333 3133 3330 1302 Year Course Number	Course Group/Description Mathematical Applications in Physics I Modern Physics Modern Physics Laboratory Differential Equations Computer Science Principles Core LPC Total Semester Hours Course Group/Description Introductory Quantum Mechanics	Required Credit Hours 3 3 1 3 3 16 Required Credit Hours	Spring Ter Course PHYS PHYS GOVT Spring Ter Course	Course Number 3421 3021 2305	Course Group/Description Engineering Dynamics Engineering Dynamics Lab Federal Government Physics Elecive Group Physics Elecive Group Lab Elective Total Semester Hours Course Group/Description Undergrad Research & Tech Presentations Introduction to Electricity and Magnetism	Required Credit Hour 4 0 3 4 0 3 3 4 4 0 C Credit Hour Credit Hour Required Credit Hour
Course PHYS PHYS PHYS MATH CSCI Fourth Call Term Course PHYS GOVT PHYS	Course Number 3347 3333 3133 3330 1302 Year Course Number 4175 2306	Course Group/Description Mathematical Applications in Physics I Modern Physics Modern Physics Laboratory Differential Equations Computer Science Principles Core LPC Total Semester Hours Course Group/Description Introductory Quantum Mechanics Texas Government Optics	Required Credit Hours 3 3 1 3 3 16 Required Credit Hours 1 3	Spring Ter Course PHYS GOVT Spring Ter Course PHYS PHYS PHYS PHYS	Course Number 3421 3021 2305 Course Number 4170 4340	Course Group/Description Engineering Dynamics Engineering Dynamics Lab Federal Government Physics Elecive Group Physics Elecive Group Lab Elective Total Semester Hours Course Group/Description Undergrad Research & Tech Presentations Introduction to Electricity and Magnetism Thermodynamics	Required Credit Hour 3 4 0 3 4 0 3 14 Required Credit Hour 3 3 3
Course PHYS PHYS PHYS MATH CSCI Fourth Course PHYS Course PHYS	Course Number 3347 3333 3133 3330 1302 Year Course Number 4175 2306 4441	Course Group/Description Mathematical Applications in Physics I Modern Physics Modern Physics Laboratory Differential Equations Computer Science Principles Core LPC Total Semester Hours Course Group/Description Introductory Quantum Mechanics Texas Government	Required Credit Hours 3 3 1 3 3 16 Required Credit Hours 16	Spring Ter Course PHYS PHYS GOVT Spring Ter Course PHYS PHYS	Course Number 4170 4340 4330	Course Group/Description Engineering Dynamics Engineering Dynamics Lab Federal Government Physics Elecive Group Physics Elecive Group Lab Elective Total Semester Hours Course Group/Description Undergrad Research & Tech Presentations Introduction to Electricity and Magnetism	Required Credit Hour 4 0 3 4 0 3 14 Required Credit Hour
Course PHYS PHYS PHYS MATH CSCI Fourth Call Term Course PHYS GOVT PHYS	Course Number 3347 3333 3133 3330 1302 Year Course Number 4175 2306 4441	Course Group/Description Mathematical Applications in Physics I Modern Physics Modern Physics Laboratory Differential Equations Computer Science Principles Core LPC Total Semester Hours Course Group/Description Introductory Quantum Mechanics Texas Government Optics Optics Lab	Required Credit Hours 3 3 1 3 3 16 Required Credit Hours 1 3 4 0	Spring Ter Course PHYS GOVT Spring Ter Course PHYS PHYS PHYS PHYS	Course Number 4170 4340 4330	Course Group/Description Engineering Dynamics Engineering Dynamics Lab Federal Government Physics Elecive Group Physics Elecive Group Lab Elective Total Semester Hours Course Group/Description Undergrad Research & Tech Presentations Introduction to Electricity and Magnetism Thermodynamics Introductory Quantum Mechanics	Required Credit Hou 3 4 0 3 4 0 3 14 Required Credit Hou 3 3 3 3

Total Semester Hours

14

Courses in Group

3305

3335

2305

2401

3343

4175

4176

2105

2001

3043

Any course at SFA

ASTR

ASTR

PHYS

PHYS

PHYS

PHYS

PHYS

PHYS

PHYS

PHYS

Credit

Hours

3

Course Group Name

Physics Elecive Group Observational Astronomy

Linear Circuit Analysis I

Engineering Statics Lab

Digital Systems Laboratory

Engineering Statics

Digital Systems

Special Problems

Special Problems Physics Elective Group Lab Linear Circuit Analysis I Lab

Astrophysics

			Course Gr	oun Kev
	Credit		Course Ci	oup ney
Course Group Name	Hours	Courses in Group		
Core SPCH	3			Dhysics F
Public Speaking	3	SPCH	1315	Observ
Interpersonal Communication		SPCH	1318	Astrop
Teamwork and Group Communication		SPCH	2333	Linear
Core S/BS	3			Engine
Cultural Anthropology		ANTH	2351	Digital
Principles of Macroeconomics		ECON	2301	Specia
Principles of Microeconomics		ECON	2302	Specia
Intro to Human Dimensions and Recreatio	n	FORS	2351	Physics
World Regional Geography		GEOG	1303	Linear
Survey of Mass Communication		MCOM	1307	Engine
General Psychology		PSYC	2301	Digital
Introduction to Sociology		SOCI	1301	Elective
Core LPC	3		ı	
Literary Genres		ENGL	2335	_
Introduction to Mythology		ENGL	2309	
British Literature to 1800		ENGL	2322	4
British Literature from 1800		ENGL	2323	-
American Literature to 1865		ENGL	2327	-
American Literature from 1865		ENGL	2328	-
World Literature to 1650		ENGL	2332	-
World Literature from 1650 Introduction to Literature		ENGL ENGL	2333 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 CA	3			
Art Appreciation		ARTS	1301	
Art History I (Prehistoric to the 14th centu	ry)	ARTS	1303	
Art History II (14th Century to the present)	ARTS	1304	
Dance Appreciation		DANC	2303	
Theatre Appreciation		DRAM	1310	
Film and Culture Intro to Music Literature		DRAM MUMH	2366 1307	-
Music Appreciation		MUSI	1307	-
Core CCA	3	141031	1300	1
Business Communication		BUSI	2304	=
Technical and Scientific Writing		ENGL	2311	
Elementary French I		FREN	1311	
•				1
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-Germa	any	INCM	1303	
International & Intercultural Comm-Brazil		INCM	1304	4
Elementary Portuguese I		PORT	1311	4
Elementary Portuguese II		PORT	1312	4
Beginning American Sign Language		SGNL	1301	_
Intermediate American Sign Language		SGNL	1302	-
Elementary Spanish I		SPAN SPAN	1311	-
Elementary Spanish II		SPAIN	1312	_