

First Year							
Fall Term				Spring Term			
Course	Course Number	Course Group/Description	Required Credit Hours	Course	Course Number	Course Group/Description	Required Credit Hours
MATH	2211	Precalculus A	2	PHYS	2325	Technical Physics I	3
MATH	2011	Precalculus A Lab	0	PHYS	2125	Technical Physics I Laboratory	1
MATH	2212	Precalculus B	2	MATH	2313	Calculus I	3
MATH	2012	Precalculus B Lab	0	MATH	2113	Calculus I Lab	1
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
GOVT	2301	Intro to American Govt: Theory and Politics	3	GOVT	2302	Intro to American Govt: Structure and Functions	3
PHYS	1308	Introduction to Engineering/Physics	3				
PHYS	1008	Introduction to Engineering/Physics Lab	0				
			Total Semester Hours				Total Semester Hours
			16				17
Second Year							
Fall Term				Spring Term			
Course	Course Number	Course Group/Description	Required Credit Hours	Course	Course Number	Course Group/Description	Required Credit Hours
PHYS	2326	Technical Physics II	3	CHEM	1312	General Chemistry II	3
PHYS	2126	Technical Physics II Laboratory	1	CHEM	1112	General Chemistry II Lab	1
MATH	2313	Calculus I	3	PHYS	2305	Linear Circuit Analysis I	3
MATH	2113	Calculus I Lab	1	PHYS	2105	Linear Circuit Analysis I 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
		Core S/BS	3			Core SPCH	3
			Total Semester Hours				Total Semester Hours
			15				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
PHYS	3347	Mathematical Applications in Physics I	3	ENGR	3421	Engineering Dynamics	4
PHYS	3333	Modern Physics	3	ENGR	3021	Engineering Dynamics Lab	0
PHYS	3133	Modern Physics Laboratory	1	MATH	3330	Differential Equations	3
MATH	3325	Computational Linear Algebra	3	PHYS	4330	Thermodynamics	3
		Physics Elective Group	4			Physics Elective Group	3
		Core CA	3			Core LPC	3
			Total Semester Hours				Total Semester Hours
			17				16
Fourth Year							
Fall Term				Spring Term			
Course	Course Number	Course Group/Description	Required Credit Hours	Course	Course Number	Course Group/Description	Required Credit Hours
PHYS	4331	Introductory Quantum Mechanics	3	PHYS	4441	Optics	4
PHYS	4175	Special Problems	1	PHYS	4041	Optics Lab	0
CSCI	1302	Computer Science Principles	3	PHYS	4170	Undergrad Research & Tech Presentations	1
		Core CCA	3	PHYS	4340	Introduction to Electricity and Magnetism	3
		Physics Elective Group	3			Physics Elective Group	3
			Total Semester Hours				Total Semester Hours
			13				11
							Total Hours for Degree
							120

Course Group Key							
Course Group Name	Credit Hours	Courses in Group		Course Group Name	Credit Hours	Courses in Group	
Core SPCH	3			Physics Elective Group	1-4		
Public Speaking		SPCH	1315	Observational Astronomy		ASTR	3305
Interpersonal Communication		SPCH	1318	Astrophysics		ASTR	3335
Teamwork and Group Communication		SPCH	2333	Linear Circuit Analysis I		PHYS	2305
Core S/BS	3			Engineering Statics		PHYS	2401
Cultural Anthropology		ANTH	2351	Digital Systems		PHYS	3343
Principles of Macroeconomics		ECON	2301	Special Problems		PHYS	4175
Principles of Microeconomics		ECON	2302	Special Problems		PHYS	4176
Intro to Human Dimensions and Recreation		FORS	2351	Physics Elective Group Lab			
World Regional Geography		GEOG	1303	Linear Circuit Analysis I Lab		PHYS	2105
Survey of Mass Communication		MCOM	1307	Engineering Statics Lab		PHYS	2001
General Psychology		PSYC	2301	Digital Systems Laboratory		PHYS	3043
Introduction to Sociology		SOCI	1301				
Core LPC	3						
Literary Genres		ENGL	2335				
Introduction to Mythology		ENGL	2309				
British Literature to 1800		ENGL	2322				
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		ENGL	2333				
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 CA	3						
Art Appreciation		ARTS	1301				
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				