

Fall Term					Spring Term			
Course	Course Number	Course Group/Description	Required Credit Hours		Course	Course Number	Course Group/Description	Required Credit Hours
ENGR	1301	Foundations in Engineering I	3		ENGR	1302	Foundations in Engineering II	3
ENGR	1001	Foundations in Engineering I Lab	0		ENGR	1002	Found in Engineering II Lab	0
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		CSCI	1302	Computer Science Principles	3
MATH	2012	Precalculus B Lab	0		ENGL	1302	Research and Argument	3
PHYS	1308	Introduction to Engineering/Physics	3		HIST	1302	United States History II	3
PHYS	1008	Introduction to Engineering/Physics Lab	0					
ENGL	1301	Rhetoric and Composition	3					
HIST	1301	United States History I	3					
Total Semester Hours			16	Total Semester Hours			16	

Fall Term				Spring Term			
Course	Course Number	Course Group/Description	Required Credit Hours	Course	Course Number	Course Group/Description	Required Credit Hours
ENGR	2305	Linear Circuit Analysis I	3	ENGR	3343	Digital Systems	3
ENGR	2105	Linear Circuit Analysis I Lab	1	ENGR	3043	Digital Systems Laboratory	0
PHYS	2325	Technical Physics I	3	PHYS	2326	Technical Physics II	3
PHYS	2125	Technical Physics I Laboratory	1	PHYS	2126	Technical Physics II Laboratory	1
MATH	2314	Calculus II	3	MATH	3315	Calculus III	3
MATH	2114	Calculus II Lab	1	MATH	3115	Calculus III Lab	1
GOVT	2305	Federal Government	3	GOVT	2306	Texas Government	3
						Core LPC	3
Total Semester Hours			15	Total Semester Hours			17

	Course		Required Credit
Course	Number	Course Group/Description	Hours
ENGR	3344	Microcomputer Interfacing	3
ENGR	3044	Microcomputer Interfacing Lab	0
ENGR	3370	Linear Circuit Analysis II	3
ENGR	3451	Electronic Circuit Analysis I	4
ENGR	3051	Electronic Circuit Analysis I Lab	0
MATH	3340	Probability Modeling	3
MATH	3330	Differential Equations	3
Total Semester Hours			16

	Course		Required
Course	Number	Course Group/Description	Credit Hours
ENGR	3452	Electronic Circuit Analysis II	4
ENGR	3052	Electronic Circuit Analysis II Lab	0
MATH	3325	Computational Linear Algebra	3
CHEM	1311	General Chemistry I	3
CHEM	1111	General Chemistry I Lab	1
		Core SPCH	3
		Core S/BS	3
Total Semester Hours			17

Fall Term				Spring Term			
Course	Course Number	Course Group/Description	Required Credit Hours	Course	Course Number	Course Group/Description	Required Credit Hours
ENGR	4260	Engineering Capstone Design I	2	ENGR	4270	Engineering Capstone Design II	2
ENGR	4060	Engineering Capstone Design I Lab	0	ENGR	4070	Engineering Capstone Design II Lab	0
ENGR	4353	Signals and Systems	3	ENGR	4354	Communication Theory	3
ENGR	4314	Control Systems	3	ENGR	4355	Electric Power Systems	3
ENGL	2311	Technical and Scientific Writing	3	PHYS	4340	Introduction to Electricity & Magnetism	3
		Elective Option	4			Core CA	3
Total Semester Hours			15	Total Semester Hours			14
Total Hours for Degree							126

Course Group Key			
Course Group Name	Credit Hours	Courses in Group	
<b>Core SPCH</b>	<b>3</b>		
Public Speaking		SPCH	1315
Interpersonal Communication		SPCH	1318
Teamwork and Group Communication		SPCH	2333
<b>Core S/BS</b>	<b>3</b>		
Cultural Anthropology		ANTH	2351
Principles of Macroeconomics		ECON	2301
Principles of Microeconomics		ECON	2302
Intro to Human Dimensions and Recreation		FORS	2351
World Regional Geography		GEOG	1303
Survey of Mass Communication		MCOM	1307
General Psychology		PSYC	2301
Introduction to Sociology		SOCI	1301
<b>Core LPC</b>	<b>3</b>		
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
<b>Core CA</b>	<b>3</b>		
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
<b>Elective Option</b>	<b>3</b>		
General Chemistry II		CHEM	1312
General Chemistry II Lab		CHEM	1112
Special Problems		ENGR	4175
Computer Programming Principles		CSCI	2302
Geometric Modeling for Mechanical Design		ENGR	1310
Geometric Modeling for Mechanical Design LaB		ENGR	1010