

First Year							
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
HIST	1301	United States History I	3	HIST	1302	United States History II	3
MATH	2412	Pre-Calculus	4	ENGL	1302	Research and Argument	3
ENGL	1301	Rhetoric and Composition	3	MATH	2313	Calculus I	3
PHYS	1308	Introduction to Engineering/Physics	3	MATH	2113	Calculus I Lab	1
PHYS	1008	Introduction to Engineering/Physics Lab	0	PHYS	2325	Technical Physics I	3
				PHYS	2125	Technical Physics I Laboratory	1
<b>Total Semester Hours</b>			<b>16</b>	<b>Total Semester Hours</b>			<b>17</b>
Second Year							
Fall Term				Spring Term			
Course	Course Number	Course Group/Description	Required Credit Hours	Course	Course Number	Course Group/Description	Required Credit Hours
CSCI	1302	Computer Science Principles	3	CHEM	1311	General Chemistry I	3
MATH	2314	Calculus II	3	CHEM	1111	General Chemistry I Lab	1
MATH	2114	Calculus II Lab	1	ENGR	2305	Linear Circuit Analysis I	3
PHYS	2326	Technical Physics II	3	ENGR	2105	Linear Circuit Analysis I Lab	1
PHYS	2126	Technical Physics II Laboratory	1	MATH	3315	Calculus III	3
GOVT	2305	Federal Government	3	MATH	3115	Calculus III Lab	1
				GOVT	2306	Texas Government	3
<b>Total Semester Hours</b>			<b>14</b>	<b>Total Semester Hours</b>			<b>15</b>
Third Year							
Fall Term				Spring Term			
Course	Course Number	Course Group/Description	Required Credit Hours	Course	Course Number	Course Group/Description	Required Credit Hours
ENGR	2401	Engineering Statics	4	ENGR	3421	Engineering Dynamics	4
ENGR	2001	Engineering Statics Lab	0	ENGR	3021	Engineering Dynamics Lab	0
PHYS	3333	Modern Physics	3	ENGR	3343	Digital Systems	3
PHYS	3133	Modern Physics Lab	1	ENGR	3043	Digital Systems Laboratory	0
PHYS	3347	Mathematical Applications in Physics I	3	MATH	3330	Differential Equations	3
ENGR	3305	Mechanics of Materials	3			Core LPC	3
		ENGR 1310, CSCI 2302 or CHEM 1312	3				
<b>Total Semester Hours</b>			<b>17</b>	<b>Total Semester Hours</b>			<b>13</b>
Fourth Year							
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	3316	Heat Transfer	3	PHYS	4340	Introduction to Electricity and Magnetism	3
ENGR	3345	Fluid Mechanics	3	ENGL	2311	Technical and Scientific Writing	3
ENGR	4145	Mechanical Engineering Lab I	1	PHYS	4330	Thermodynamics	3
		Core S/BS	3			Core SPCH	3
		Core CA	3				
<b>Total Semester Hours</b>			<b>15</b>	<b>Total Semester Hours</b>			<b>14</b>
<b>Total Hours for Degree</b>							<b>121</b>

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