

First Year							
Fall Term				Spring Term			
Course	Course Number	Course Group/Description	Required Credit Hours	Course	Course Number	Course Group/Description	Required Credit Hours
ENGL	1301	Rhetoric and Composition	3	ENGL	1302	Research and Argument	3
ENGR	1301/1001	Foundations in Engineering I / Lab	3	ENGR	1302/1002	Foundations in Engineering II / Lab	3
HIST	1301	United States History I	3	CSCI	1302	Computer Science Principles	3
MATH*	2211/2011	Precalculus A / Lab	2	HIST	1302	United States History II	3
MATH*	2212/2012	Precalculus B / Lab	2	MATH	2313/2113	Calculus I / Lab	4
		Mathematics and Science Elective	3				
<b>Total Semester Hours</b>			<b>16</b>	<b>Total Semester Hours</b>			<b>16</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
ENGR	2305/2105	Linear Circuit Analysis I / Lab	4	ENGR	2310/2010	Geometric Modeling for Mechanical Engineering / Lab	3
GOVT	2305	Federal Government	3	GOVT	2306	Texas Government	3
MATH	2314/2114	Calculus II / Lab	4	MATH	3315/3115	Calculus III / Lab	4
PHYS	2325/2125	Technical Physics I / Lab	4	PHYS	2326/2126	Technical Physics II / Lab	4
						Core LPC	3
<b>Total Semester Hours</b>			<b>15</b>	<b>Total Semester Hours</b>			<b>17</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	2401/2001	Engineering Statistics / Lab	4	ENGR	3421/3021	Engineering Dynamics / Lab	4
ENGR	3301	Principles of Thermodynamics	3	ENGR	4146	Mechanical Engineering Lab II	1
ENGR	3145	Mechanical Engineering Lab I	1	CHEM	1311/1111	General Chemistry I / Lab	4
ENGR	3316	Heat Transfer	3			Core SPCH	3
MATH	3330	Differential Equations	3			Core S / BS	3
<b>Total Semester Hours</b>			<b>14</b>	<b>Total Semester Hours</b>			<b>15</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	3305	Mechanics of Materials	3	ENGR	4270/4070	Engineering Capstone Design II	2
ENGR	4260/4060	Engineering Capstone Design I	2	ENGR	4341	Machine Design	3
ENGR	4343	Mechanical Vibrations	3	ENGR	4342	Materials Science	3
		Core CCA	3	ENGR	3345	Fluid Mechanics	3
		Engineering Elective	4			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>122</b>

\* Only required if test scores do not meet Calculus I requirements.