

Freshman Year

Fall Semester			Spring Semester		
Course	Title	SCH	Course	Title	SCH
ENGL 1301	College Composition I	3	ENGL 1302	College Composition II / or ENGL 2311	3
MATH 2413	Calculus I	4	PHYS 2325	University Physics I	3
CHEM 1311	General Chemistry I	3	PHYS 2125	University Physics I Lab	1
CHEM 1111	General Chemistry I Lab	1	MATH 2414	Calculus II	4
MENG 1301	Engineering Graphics and Design	3	EENG 3308	Programming Languages for Design	3
SPCM 1315	Fundamentals of Speech Communication	3	HIST 1303	History of Tech and Innovation in the US	3
Semester Credit Hours		17	Semester Credit Hours		17

Sophomore Year

Fall Semester			Spring Semester		
Course	Title	SCH	Course	Title	SCH
PHYS 2326	University Physics II	3	MENG 3306	Mechanics of Materials	3
PHYS 2126	University Physics II Lab	1	MATH 3351	Probability and Statistics for Engineers	3
MATH 3203	Matrix Methods	2	ECON 2302	Principles of Microeconomics , OR	3
MATH 3404	MultiVariate Calculus	4	ECON 2301	Principles of Macroeconomics	3
ENGR 2301	Mechanics - Statics	3	MATH 3305	Differential Equations	3
MENG 3319	Materials Science and Manufacturing	3	ENGR 2302	Engineering Mechanics - Dynamics	3
Semester Credit Hours		16	Semester Credit Hours		15

Junior Year

Fall Semester			Spring Semester		
Course	Title	SCH	Course	Title	SCH
MENG 3401	Thermodynamics	4	MENG 3316	Heat Transfer	3
MENG 3310	Fluid Mechanics	3	MENG 3309	Mechanical Systems Design	3
MENG 3303	Dynamics of Machinery	3	EENG 3301	EE Circuits, Systems, and Applications	3
MENG 3210	Experimental Measurements and Techniques Lab	2	MENG 3211	Thermal-Fluids Lab	2
	Creative Arts	3	PHIL 2306	Introduction to Ethics	3
			MENG 43XX	Technical Elective	3
Semester Credit Hours		15	Semester Credit Hours		17

Senior Year

Fall Semester			Spring Semester		
Course	Title	SCH	Course	Title	SCH
HIST 1301	United States History I	3	POLS 2306	Introductory Texas Politics	3
MENG 4215	Senior Capstone Design I	2	MENG 4326	Finite Element Analysis	3
MENG 4312	System Dynamics and Control	3	MENG 4216	Senior Capstone Design II	2
POLS 2305	Introductory American Government	3	MENG 43XX	Elective	3
MENG 43XX	Elective	3	MENG 43XX	Elective	3
MENG 43XX	Elective	3			
Semester Credit Hours		17	Semester Credit Hours		14