

Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
EDUC 1300	Learning Framework	3	MATH 2414	Calculus II	4			
MATH 2413	Calculus I	4	PHYS 2425	Engineering Physics I	4			
ENGL 1301	English Composition I	3	ENGL 1302	English Composition II	3			
ENGR 1201	Intro to Engineering	2	GOVT 2305	US Government	3			
GOVT 2306	TX State and Local Govt	3	PHIL 2306	Ethics	3			
		15			17			0

Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
MATH 2415	Calculus III	4	MATH 2420	Differential Equations**	4			
PHYS 2426	Engineering Physics II	4	ENGR 2405	Electrical Circuits I	4			
HIST 1302	US History II	3	ECON 2301	Principles of Microeconomics	3			
COSC 1320	C++ Programming	3	HIST 1302	US History II	3			
		14			14			0

Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
ELEN 3101	Advanced EE Lab	1						
ELEN 3328	Quantum Mechanics 4 EEs	3						
ELEN 3431	Digital Logic Design	4						
MATH 2318	Linear Algebra	3						
	Total Credit Hours	11						

Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
ELEN 3312	Circuits II	3	ELEN 3313	Signals & Systems	3	CHEM 1311* ^{CH}	General Chemistry I	3
ELEN 3371	Electromagnetics	3	ELEN 3322	Electronics II	3	CHEM 1111* ^{CH}	Gen. Chem I Lab	1
ELEN 3421	Electronics I	4	ELEN 3381	Electrical Analysis	3			
ELEN 4486	Microcomputers I	4	ELEN 3441	Fund. Power Engr.	4			
			ELEN 4387	Microcomputers II	3			
		14			16			4

Course	Title	Credit Hours	Course	Title	Credit Hours	Course	Title	Credit Hours
ELEN 4306	Senior Proj Design I	3	ELEN 4307	Sen Proj Design II	3			
ELEN 4351	Control Engineering	3	Fine Arts Core* ^{FA}	ARTS 1301, DANC 2304, COMM 1375	3			
ELEN Elective ^{EE}		3	MATH 3370	Intro to theory of Statistical Inference	3			
ELEN Elective ^{EE}		3	Comm. Core* ^{CO}		3			
		12			12			0

Fourth Year

*M 1111 can be taken in Fall, Spring, or Summer I, face-to-face
 computers & Programming is needed before taking ELEN 2411 Circuits I. (An equivalent high school or community College programming course may be used.)

**MATH 2420 per TX Field of Study.
 Consult with your advisor to determine what course best meets your needs.