

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

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