

		I	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
FIRST YEAR	FALL		3	ENGL 1301	Rhetoric and Composition I		010	Satisfactory scores on English portion of ACT test and TSI examination or ENGL 0301.	
			4	MATH 2413	Calculus I		020	MATH 2412 with a grade of 'C' or better; or passing the Precalculus Exemption Test administered by the Department of Mathematics.	
			3	CSCI 1380	Computer Science I		090	Concurrent enrollment or credit for MATH 1314 or higher level mathematics course.	Either CSCI 1380 or CSCI 1370 can be taken.
			1	ELEE 1101	Introduction to Electrical Engineering				
			3	X3XX	Social and Behavior Science				
					UNIV 1301	Learning Framework			
<b>14 Semester</b>									
FIRST YEAR	SPRING		3	ENGL 1302	Rhetoric And Composition II		010	A grade of 'C' or better in ENGL 1301 or ENGL 1387.	
			4	MATH 2414	Calculus II		020	MATH 2413 (or MATH 2487) with a grade of 'C' or better.	
			3	MATH 2346	Mathematics for Electrical and Computer Engineers			CSCI 1380 (or CSCI 1387) or CMPE 1170/1370 (or CMPE 1378/1178) with a grade of 'C' or better, and MATH 2413 (or MATH 2487) with a grade of 'C' or better.	
			4	PHYS 2425	Physics for Scientists and Engineers I		030	MATH 2413 (or MATH 2487) and concurrent enrollment in MATH 2414 (or MATH 2488).	
			3	ELEE 2330	Digital Systems Engineering I			Credit/registration in ELEE 2130	
			1	ELEE 2130	Digital Systems Engineering I Lab			Credit/registration in ELEE 2330.	
<b>18 Semester</b>									
		I	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
SECOND YEAR	FALL		3	MATH 3341	Differential Equations			MATH 2414 (or MATH 2488) and MATH 2318 with a grade of 'C' or better.	
			4	PHYS 2426	Physics for Scientists and Engineers II		030	PHYS 2425.	
			3	ELEE 2305	Electric Circuits I			MATH 2414 (or MATH 2488) and credit/registration in PHYS 2426.	
			1	ELEE 2105	Electric Circuits I Lab			Credit/registration in ELEE 2305.	
			3	ELEE 2319	Numerical Computation and Data Visualization			CSCI 1380 (or CSCI 1387) and credit/registration in MATH 2346.	
			3	X3XX	Creative Arts			See General Education Core Curriculum	
<b>17 Semester</b>									
SECOND YEAR	SPRING		4	MATH 2415	Calculus III			MATH 2414 (or MATH 2488) with a grade of 'C' or better.	
			3	MECE 2301 or CHEM 1311 or CHEM 1307	Statics or General Chemistry I or Chemistry for Engineers			MATH 1314/1414	Prerequisite for MECE 2301 Statics: A grade of 'C' or better in MECE 1101 and PHYS 2425, and credit/registration in MATH 2414 (or MATH 2488).
			3	ELEE 3321	Signals and Systems			ELEE 2305 and credit/registration in MATH 3341.	
			3	ELEE 3301	Electronics I			ELEE 2305 and credit/registration in ELEE 3321.	
			1	ELEE 3101	Electronics I Lab			Credit/registration in ELEE 3301.	
			3	HIST 1301	U.S. History I		060		
<b>17 Semester</b>									

		!	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
THIRD YEAR	FALL		2	ELEE 3225	Electrical Engineering Lab I			ELEE 2330 and ELEE 2130, plus credit or registration for ELEE 3301, ELEE 3321, and ELEE 2319.		
			3	ELEE 3315	Electromagnetics Engineering			ELEE 2305, MATH 2415 and PHYS 2426.		
			4	ELEE 3435	Microprocessor Systems			ELEE 2330 and CSCI 1380 (or CSCI 1387).		
			3	ELEE 4303	Digital Systems Engineering II			ELEE 2330.		
			3	HIST 1302	U.S. History II		060			
	<b>15 Semester</b>									
	SPRING		2	ELEE 3230	Electrical Engineering II Lab			ELEE 3225.		
			3	ELEE 3340	Probability and Statistics for Electrical			MATH 2414		
			3	ELEE 3302	Electronics II			ELEE 3301 and ELEE 3321.		
			3	ELEE X3XX	Technical Elective					
		3	POLS 2301	U.S. & Texas Government & Politics I		070				
<b>14 Semester</b>										
FOURTH YEAR	FALL		3	ELEE 4321	Automatic Controls			ELEE 3321 and MATH 3341.		
			3	ELEE 4328	Solid State Devices			ELEE 3301.		
			3	ELEE 4351	Communication Theory			ELEE 3340 and ELEE 3321.		
			3	ELEE 4361	Senior Design I			ELEE 3230 ELEE 3435, and credit/registration in at least 9 credits of 4000 level ELEE coursework.		
			3	PHIL 1310	Ethics, Happiness, and the Good Life		040		Must enroll in Engineering designated section	
	<b>15 Semester</b>									
	SPRING		3	ELEE X3XX	Technical Elective					
			3	ELEE X3XX	Technical Elective					
			3	ELEE 4362	Senior Design II			ELEE 4361.		
			3	POLS 2302	U.S. & Texas Government & Politics II		070			
		3	X3XX	Integrative and Experiential Learning		090		Choose any one course from Humanities, except PHIL		
<b>15 Semester</b>										

**Graduation Requirements**

**125 TOTAL HOURS**

**(51) TOTAL ADVANCED HOURS**

Approved: Wednesday, March 12, 2014

Revised: Friday, October 23, 2015

**Symbols Key**

**Critical (!):** sequence sensitive course.

**Minimum Grade:** A - Excellent; B - Good; C - Satisfactory; D - Below Average; CR - Credit; P - Passing; S - Satisfactory.

**General Education Core (GEC) Sections:** 010 - Communication; 020 - Mathematics; 030 - Life and Physical Sciences; 040 - Language, Philosophy & Culture; 050 - Creative Arts; 060 - American History; 070 - Government/Political Science; 080 - Social and Behavioral Sciences; 090 - Computer Application; 090 - Interdisciplinary ;090 - Science Labs; 090 - Wellness.

**Language Proficiency Requirement:** Student is required to demonstrate language proficiency in a language other than English at the undergraduate level equivalent to a minimum of six credits.