

		I	H	A	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes		
FIRST YEAR	FALL	3			ENGL 1301	Rhetoric and Composition I	C	010	Satisfactory scores on English portion of ACT test and TSI examination or ENGL 0301.			
		4			MATH 2413	Calculus I	C	020	MATH 2412 with a grade of 'C' or better; or passing the Precalculus Exemption Test administered by the Department of Mathematics.			
		1			CMPE 1101	Introduction to Computer Engineering						
		3			POLS 2301	U.S. & Texas Government & Politics I			070			
		3			X3XX	Social and Behavioral Science			080	See General Education Core Curriculum		
					UNIV 1301	Learning Framework				Only if required, based on ACT/SAT and high school rank.		
	<b>14 (0) Semester</b>											
	SPRING	3			ENGL 1302	Rhetoric And Composition II	C	010	A grade of 'C' or better in ENGL 1301 or ENGL 1387.			
		4			MATH 2414	Calculus II	C	020	MATH 2413 (or MATH 2487) with a grade of 'C' or better.			
		3			CMPE 1370	Engineering Computer Science I	C		Grade of 'C' or better in MATH 1314 or placement in a higher level Math course; and CMPE 1101. Co-requisite: CMPE 1170.			
		1			CMPE 1170	Engineering Computer Science I Lab	C		Co-requisite: CMPE 1370.			
		4			PHYS 2425	Physics for Scientists and Engineers I			060/ 090	MATH 2413 (or MATH 2487) and concurrent enrollment in MATH 2414 (or MATH 2488).	1 hour of lab for Core 090	
	<b>15 (0) Semester</b>											
	SECOND YEAR	FALL		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.		
			3		CMPE 2380	Computer Science II	C		CSCI 1370 (or CSCI 1378), or CMPE 1370 (or CMPE 1378), or consent of instructor.	OR CSCI 2380		
			3		X3XX	Integrative/Experiential Learning			090	Choose any course from Humanities (040 Language, Philosophy & Culture) except Professional Ethics		
			3		CMPE 2330	Digital Systems Engineering I						
			3		HIST 1301	U.S. History I			060			
			1		CMPE 2130	Digital Systems Engineering I Lab				Credit/registration for CMPE/ELEE 2330.		
<b>16 (0) Semester</b>												
SPRING			3	(3)		CMPE 3333	Algorithms and Data Structures			CSCI/CMPE 2380 (or CSCI/CMPE 2388); and MATH 2346 or CSCI 3310 or MATH 2305.		
			4			PHYS 2426	Physics for Scientists and Engineers II			060/ 090	PHYS 2425.	1 hour of lab for Core 090
			3			CMPE 2320	Electric Circuits I				MATH 2414 (or MATH 2488) and credit/registration for PHYS 2426.	
			1			CMPE 2120	Electric Circuits I Lab				Credit/registration for CMPE 2320 or ELEE 2305.	
			4	(4)		CMPE 3437	Microprocessor Systems				CMPE/ELEE 2330; and CMPE/CSCI 1370 (or CMPE/CSCI 1378).	OR CMPE 2333 - Computer Organization and Assembly Language)
			3			CHEM 1307	Chemistry for Engineers				MATH 1314, MATH 1414, MATH 2412, or MATH 2487 with a grade of "C" or higher."	
			1			CHEM 1107	Chemistry for Engineers Lab				Credit/registration in CHEM 1307.	
<b>18 (7) Semester</b>												

		I	H	A	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
THIRD YEAR	FALL		3		PHIL 1310	Ethics, Happiness, and the Good Life		040		Must enroll in Engineering designated section
			3	(3)	MATH 3341	Differential Equations			MATH 2414 (or MATH 2488) and MATH 2318 with a grade of 'C' or better.	
			3	(3)	CMPE 3334	Systems Programming			CSCI/CMPE 2380; and CSCI/CMPE 2333, ELEE 3435, or CMPE 3437.	
			3	(3)	CMPE 3322	Signals and Systems			CMPE 2320 or ELEE 2305; and credit/registration for MATH 3341.	OR CMPE 3341 OR CMPE 4333 OR either CMPE 3326/3328
			4	(4)	CMPE 3403	Electronics for Computer Engineering			CMPE 2320 or ELEE 2305 and CMPE 2330 or ELEE 2330 with a grade of C or better.	
	<b>16 (13) Semester</b>									
THIRD YEAR	SPRING		3		HIST 1302	U.S. History II		060		
			3	(3)	CMPE 3340	Software Engineering I			3 advanced hours in CSCI (or CMPE equivalent); and CSCI/CMPE 2380 (or CSCI/CMPE 2388).	
			3	(3)	CMPE 4375	Introduction to VLSI Design			CMPE/ELEE 2330 and CMPE 3403.	
			3	(3)	CMPE 4335	Computer Architecture			CSCI/CMPE 3333; and either CSCI/CMPE 2333, CMPE 3437, or ELEE 3435.	
			3	(3)	CMPE 4303	Digital Systems Engineering II			CMPE/ELEE 2330 or consent of instructor.	
			2	(2)	CMPE 3226	Electrical Engineering I Lab			Credit/registration for CMPE 3403 and MATH 3341.	OR CMPE 3341 OR CMPE 4333 OR either CMPE 3326/3328
<b>17 (14) Semester</b>										
		I	H	A	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
FOURTH YEAR	FALL		3	(3)	MATH 4337	Probability and Statistics I			MATH 2414 (or MATH 2488) with a grade of 'C' or better.	
			3	(3)	CMPE 43XX	Technical Elective				
			3		POLS 2302	U.S. & Texas Government & Politics II		070		
			3	(3)	CMPE 3331	Microcontroller and Embedded Systems Lab			CMPE 3437 or ELEE 3435.	OR CMPE 3341 OR CMPE 4333 OR either CMPE 3326/3328
			3	(3)	CMPE 4373	Senior Design I Hardware			Consent of instructor and either CSCI 3340 or CMPE 3340.	OR CMPE 4373 (must pair with CMPE 4374)
	<b>15 (12) Semester</b>									
FOURTH YEAR	SPRING		3		X3XX	Creative Arts		050		See General Education Core Curriculum
			3	(3)	CMPE 4390	Communications Networks			CMPE 3437 or ELEE 3435.	OR CMPE 4345 Computer Networks
			3	(3)	CMPE 4334	Operating Systems			CSCI/CMPE 3333 and CSCI/CMPE 3334 or consent of the instructor.	
			3	(3)	CMPE 43XX	Technical Elective				
			3	(3)	CMPE 4374	Senior Design II Hardware			CMPE 4373 and consent of instructor.	OR CMPE 4374 (if CMPE 4373 taken)
<b>15 (12) Semester</b>										

**Graduation Requirements**

**126 TOTAL**  
**(54) TOTAL**

Approved: Wednesday, March 12, 2014  
Revised: Friday, September 30, 2016

**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.

		I	H	A	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes		
FIRST YEAR	FALL	3			ENGL 1301	Rhetoric and Composition I	C	010	Satisfactory scores on English portion of ACT test and TSI examination or ENGL 0301.			
		4			MATH 2413	Calculus I	C	020	MATH 2412 with a grade of 'C' or better; or passing the Precalculus Exemption Test administered by the Department of Mathematics.			
		1			CMPE 1101	Introduction to Computer Engineering						
		3			POLS 2301	U.S. & Texas Government & Politics I			070			
		3			X3XX	Social and Behavioral Science			080	See General Education Core Curriculum		
					UNIV 1301	Learning Framework				Only if required, based on ACT/SAT and high school rank.		
	<b>14 (0) Semester</b>											
	SPRING	3			ENGL 1302	Rhetoric And Composition II	C	010	A grade of 'C' or better in ENGL 1301 or ENGL 1387.			
		4			MATH 2414	Calculus II	C	020	MATH 2413 (or MATH 2487) with a grade of 'C' or better.			
		3			CMPE 1370	Engineering Computer Science I	C		Grade of 'C' or better in MATH 1314 or placement in a higher level Math course; and CMPE 1101. Co-requisite: CMPE 1170.			
		1			CMPE 1170	Engineering Computer Science I Lab	C		Co-requisite: CMPE 1370.			
		4			PHYS 2425	Physics for Scientists and Engineers I			060/ 090	MATH 2413 (or MATH 2487) and concurrent enrollment in MATH 2414 (or MATH 2488).	1 hour of lab for Core 090	
	<b>15 (0) Semester</b>											
	SECOND YEAR	FALL		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.		
			3		CMPE 2380	Computer Science II	C		CSCI 1370 (or CSCI 1378), or CMPE 1370 (or CMPE 1378), or consent of instructor.	OR CSCI 2380		
			3		X3XX	Integrative/Experiential Learning			090	Choose any course from Humanities (040 Language, Philosophy & Culture) except Professional Ethics		
			3		CMPE 2330	Digital Systems Engineering I						
			3		HIST 1301	U.S. History I			060			
			1		CMPE 2130	Digital Systems Engineering I Lab				Credit/registration for CMPE/ELEE 2330.		
<b>16 (0) Semester</b>												
SPRING			3	(3)		CMPE 3333	Algorithms and Data Structures			CSCI/CMPE 2380 (or CSCI/CMPE 2388); and MATH 2346 or CSCI 3310 or MATH 2305.		
			4			PHYS 2426	Physics for Scientists and Engineers II			060/ 090	PHYS 2425.	1 hour of lab for Core 090
			3			CMPE 2320	Electric Circuits I				MATH 2414 (or MATH 2488) and credit/registration for PHYS 2426.	
			1			CMPE 2120	Electric Circuits I Lab				Credit/registration for CMPE 2320 or ELEE 2305.	
			4	(4)		CMPE 3437	Microprocessor Systems				CMPE/ELEE 2330; and CMPE/CSCI 1370 (or CMPE/CSCI 1378).	
			3			CHEM 1307	Chemistry for Engineers				MATH 1314, MATH 1414, MATH 2412, or MATH 2487 with a grade of "C" or higher."	
			1			CHEM 1107	Chemistry for Engineers Lab				Credit/registration in CHEM 1307.	
<b>18 (7) Semester</b>												

		I	H	A	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
THIRD YEAR	FALL		3		PHIL 1310	Ethics, Happiness, and the Good Life		040		Must enroll in Engineering designated section	
			3	(3)	MATH 3341	Differential Equations			MATH 2414 (or MATH 2488) and MATH 2318 with a grade of 'C' or better.		
			3	(3)	CMPE 3334	Systems Programming			CSCI/CMPE 2380; and CSCI/CMPE 2333, ELEE 3435, or CMPE 3437.		
			3	(3)	CMPE 3322	Signals and Systems			CMPE 2320 or ELEE 2305; and credit/registration for MATH 3341.		
			4	(4)	CMPE 3403	Electronics for Computer Engineering			CMPE 2320 or ELEE 2305 and CMPE 2330 or ELEE 2330 with a grade of C or better.		
	<b>16 (13) Semester</b>										
	SPRING		3			HIST 1302	U.S. History II		060		
			3	(3)		CMPE 3340	Software Engineering I			3 advanced hours in CSCI (or CMPE equivalent); and CSCI/CMPE 2380 (or CSCI/CMPE 2388).	
			3	(3)		CMPE 4375	Introduction to VLSI Design			CMPE/ELEE 2330 and CMPE 3403.	
			3	(3)		CMPE 4335	Computer Architecture			CSCI/CMPE 3333; and either CSCI/CMPE 2333, CMPE 3437, or ELEE 3435.	
		3	(3)		CMPE 4303	Digital Systems Engineering II			CMPE/ELEE 2330 or consent of instructor.		
	2	(2)		CMPE 3226	Electrical Engineering I Lab			Credit/registration for CMPE 3403 and MATH 3341.			
<b>17 (14) Semester</b>											
FOURTH YEAR	FALL		3	(3)	MATH 4337	Probability and Statistics I			MATH 2414 (or MATH 2488) with a grade of 'C' or better.		
			3	(3)	CMPE 43XX	Technical Elective					
			3		POLS 2302	U.S. & Texas Government & Politics II			070		
			3	(3)	CMPE 3331	Microcontroller and Embedded Systems Lab				CMPE 3437 or ELEE 3435.	
			3	(3)	CMPE 4373	Senior Design I Hardware				Consent of instructor and either CSCI 3340 or CMPE 3340.	
	<b>15 (12) Semester</b>										
	SPRING		3			X3XX	Creative Arts		050		See General Education Core Curriculum
			3	(3)		CMPE 4390	Communications Networks			CMPE 3437 or ELEE 3435.	
			3	(3)		CMPE 4334	Operating Systems			CSCI/CMPE 3333 and CSCI/CMPE 3334 or consent of the instructor.	
			3	(3)		CMPE 43XX	Technical Elective				
		3	(3)		CMPE 4374	Senior Design II Hardware			CMPE 4373 and consent of instructor.		
<b>15 (12) Semester</b>											

**Graduation Requirements**

**126 TOTAL**  
**(57) TOTAL**

Approved: Wednesday, March 12, 2014  
Revised: Friday, September 30, 2016

**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.

		I	H	A	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes		
FIRST YEAR	FALL	3			ENGL 1301	Rhetoric and Composition I	c	010	Satisfactory scores on English portion of ACT test and TSI examination or ENGL 0301.			
		4			MATH 2413	Calculus I	c	020	MATH 2412 with a grade of 'C' or better; or passing the Precalculus Exemption Test administered by the Department of Mathematics.			
		1			CMPE 1101	Introduction to Computer Engineering						
		3			POLS 2301	U.S. & Texas Government & Politics I			070			
		3			X3XX	Integrative and Experiential Learning			090		Choose any course from Humanities (040 Language, Philosophy & Culture) except Professional Ethics	
					UNIV 1301	Learning Framework					Only if required, based on ACT/SAT and high school rank.	
		<b>14 (0) Semester</b>										
FIRST YEAR	SPRING	3			ENGL 1302	Rhetoric And Composition II	c	010	A grade of 'C' or better in ENGL 1301 or ENGL 1387.			
		4			MATH 2414	Calculus II	c		MATH 2413 (or MATH 2487) with a grade of 'C' or better.			
		3			CMPE 1370	Engineering Computer Science I			Grade of 'C' or better in MATH 1314 or placement in a higher level Math course; and CMPE 1101. Co-requisite: CMPE 1170.			
		1			CMPE 1170	Engineering Computer Science I Lab			Co-requisite: CMPE 1370.			
		4			PHYS 2425	Physics for Scientists and Engineers I			060/090	MATH 2413 (or MATH 2487) and concurrent enrollment in MATH 2414 (or MATH 2488).	1 hour of lab for Core 090	
<b>15 (0) Semester</b>												
SECOND YEAR	FALL	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.			
		3			CMPE 2380	Computer Science II			CSCI 1370 (or CSCI 1378), or CMPE 1370 (or CMPE 1378), or consent of instructor.	OR CSCI 2380		
		3			X3XX	Social and Behavioral Science			080		See General Education Core Curriculum	
		3			HIST 1301	U.S. History I			060			
		3			CMPE 2330	Digital Systems Engineering I						
		1			CMPE 2130	Digital Systems Engineering I Lab				Credit/registration for CMPE/ELEE 2330.		
	<b>16 (0) Semester</b>											
	SECOND YEAR	SPRING	3	(3)		CMPE 3333	Algorithms and Data Structures			CSCI/CMPE 2380 (or CSCI/CMPE 2388); and MATH 2346 or CSCI 3310		
			4			PHYS 2426	Physics for Scientists and Engineers II			060/090	PHYS 2425.	1 hour of lab for Core 090
			3			CMPE 2320	Electric Circuits I	c			MATH 2414 (or MATH 2488) and credit/registration for PHYS 2426.	
1					CMPE 2120	Electric Circuits I Lab				Credit/registration for CMPE 2320 or ELEE 2305.		
3					CMPE 2333	Computer Organization and Assembly Language				CSCI 1370 (or CSCI 1378) or CMPE 1370 (or CMPE 1378).		
3					CHEM 1307	Chemistry for Engineers				MATH 1314, MATH 1414, MATH 2412, or MATH 2487 with a grade of "C" or higher."	OR CHEM 1311	
1			CHEM 1107	Chemistry for Engineers Lab				Credit/registration in CHEM 1307.	OR CHEM 1111			
<b>17 (3) Semester</b>												

		I	H	A	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
THIRD YEAR	FALL		3		PHIL 1310	Ethics, Happiness, and the Good Life		040		Must enroll in Engineering designated section	
			3	(3)	MATH 3341	Differential Equations			MATH 2414 (or MATH 2488) and MATH 2318 with a grade of 'C' or better.	MATH 2346 for ELEE and CMPE	
			3	(3)	CMPE 3334	Systems Programming			CSCI/CMPE 2380; and CSCI/CMPE 2333, ELEE 3435, or CMPE 3437.		
			3	(3)	CMPE 4333	Database Design and Implementation			CSCI 3333 or CMPE 3333.		
			4	(4)	CMPE 3403	Electronics for Computer Engineering			CMPE 2320 or ELEE 2305 and CMPE 2330 or ELEE 2330 with a grade of C or better.		
	<b>16 (13) Semester</b>										
	SPRING		3			HIST 1302	U.S. History II		060		
			3	(3)		CMPE 3340	Software Engineering I			3 advanced hours in CSCI (or CMPE equivalent); and CSCI/CMPE 2380 (or CSCI/CMPE 2388).	
			3	(3)		CMPE 4375	Introduction to VLSI Design			CMPE/ELEE 2330 and CMPE 3403.	
			3	(3)		CMPE 4335	Computer Architecture			CSCI/CMPE 3333; and either CSCI/CMPE 2333, CMPE 3437, or ELEE 3435.	
		3	(3)		CMPE 4303	Digital Systems Engineering II			CMPE/ELEE 2330 or consent of instructor.		
	3	(3)		CMPE 3326	Object Oriented Programming in JAVA			CSCI 1380 (or CSCI 1387), or CSCI 1370 (or CSCI 1378), or CMPE 1370 (or CMPE 1378), or consent of instructor.	Can also take CMPE 3328: Objective-Oriented Programming in C#		
<b>18 (15) Semester</b>											
FOURTH YEAR	FALL		3	(3)	MATH 4337	Probability and Statistics I			MATH 2414 (or MATH 2488) with a grade of 'C' or better.		
			3	(3)	CMPE 43XX	Technical Elective				5 hours required - may take one (2) credit and one (3) credit technical elective.	
			3		POLS 2302	U.S. & Texas Government & Politics II			070		
			3	(3)	CMPE 4345	Computer Networks				CSCI 3333 or CMPE 3333.	
			3	(3)	CMPE 4371	Senior Design I Software				Consent of instructor and either CSCI 3340 or CMPE 3340.	
	<b>15 (12) Semester</b>										
	SPRING		3			X3XX	Creative Arts		050		See General Education Core Curriculum
			3	(3)		CMPE 3341	Software Engineering II			CSCI 3340 or CMPE 3340.	
			3	(3)		CMPE 4334	Operating Systems			CSCI/CMPE 3333 and CSCI/CMPE 3334 or consent of the instructor.	
			3	(3)		CMPE 43XX	Technical Elective				5 hours required - may take one (2) credit and one (3) credit technical elective.
		3	(3)		CMPE 4372	Senior Design II Software			CMPE 4371 and consent of instructor.		
<b>15 (12) Semester</b>											

**Graduation Requirements**

**126** TOTAL HOURS  
**(54)** TOTAL

Approved: Wednesday, March 12, 2014  
Revised: Friday, September 30, 2016

**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.