

		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.		
			1	CSCI 1101	Introduction to Computer Science					
			3	CSCI 1370	Engineering Computer Science I			090	Grade of 'C' or better in MATH 1314 or placement in a higher level Math course. Co-requisite: CSCI 1170 (or CSCI 1178).	
			1	CSCI 1170	Engineering Computer Science I Laboratory				Corequisite: CSCI 1370 (or CSCI 1378).	
					UNIV 1301	Learning Framework				Only if required, based on ACT/SAT and high school rank.
12 Semester										
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.		
			4	X4XX	Life & Physical Science				Must be PHYS, CHEM, or BIOL	
			3	HIST 1301	U.S. History I			060		
			3	CSCI 2380	Computer Science II				CSCI 1370 (or CSCI 1378) or CMPE 1370 (or CMPE 1378) or CSCI 1380 (or CSCI 1387) or consent of instructor.	
17 Semester										
SECOND YEAR	FALL		3	COMM 1315	Public Speaking		040			
			4	X4XX	Life & Physical Science				Must be PHYS, CHEM, or BIOL	
			3	X3XX	Integrative/Experimental Learning				See General Education Core Curriculum	Choose any course from Humanities, except for Professional Ethics
			3	CSCI 2344	Programming in Unix/ Linux Environment				CSCI 1370 (or CSCI 1378) or CSCI 1380 (or CSCI 1387) or consent of instructor.	
			3	CSCI 2333	Computer Organization and Assembly Language				CSCI 1370 (or CSCI 1378) or CMPE 1370 (or CMPE 1378) or CSCI 1380 (or CSCI 1387).	
		16 Semester								
SECOND YEAR	SPRING		3	CSCI 3334	Systems Programming			CSCI/CMPE 2380; and CSCI/CMPE 2333, ELEE 3435, or CMPE 3437.		
			3	CSCI 3310	Discrete Data Structures			MATH 2413 with grade of 'C' or better; and CSCI/CMPE 1370 (or CSCI/CMPE 1378).		
			4	X4XX	Basic Science				Must be PHYS, CHEM, or BIOL	See degree plan for options.
			3	CSCI 3326 or 3327 or 3328	Object Oriented Programminmg, Java or Visual Basic or Obj Oriented Pgm in C#					
			3	ELEE 2330	Digital Systems Engineering I				Corequisite: ELEE 2130	
			1	ELEE 2130	Digital Systems Engineering I Lab				Credit/registration in ELEE 2330.	
17 Semester										

		I	H	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		CSCI 3333	Algorithms and Data Structures			CSCI/CMPE 2380 (or CSCI/CMPE 2388); and credit/registration for		
		3		CSCI 3336	Organization of Programming Languages			CSCI 2380 (or CSCI 2388) or CMPE 2380 (CMPE 2388).		
		3		ENGL 3342	Technical Communication			6 hours of English.		
		3		POLS 2301	U.S. & Texas Government & Politics I		070			
	15 Semester									
	SPRING	3		CSCI 3340	Software Engineering I			CSCI 2380 (or CSCI 2388) or CMPE 2380 (CMPE 2388), and 3		
		3		CSCI 43XX	Databases, Networking, and Operating Systems				Choose from: CSCI 4333 Database Design and Implementation or CSCI 4334 Operating Systems or CSCI 4335 Computer Architecture or CSCI 4345 Computer Networks	
		3		MATH 2318	Linear Algebra			MATH 2413 (or MATH 2487) with a grade of 'C' or better.		
		3		POLS 2302	U.S. & Texas Government & Politics II		070			
3			X3XX	Advanced Elective						
15 Semester										
FOURTH YEAR	FALL		3	CSCI 43XX	Databases, Networking, and Operating Systems				Choose from: CSCI 4333 Database Design and Implementation or CSCI 4334 Operating Systems or CSCI 4335 Computer Architecture or CSCI 4345 Computer Networks	
			3	CSCI 4325	Automata, Formal Languages, and			CSCI 3333 or CMPE 3333 and CSCI 3336.		
			3	CSCI X3XX	CSCI Advanced Elective					
			2	X2XX	Elective any level					
			3	MATH 4337	Probability & Statistics I or Applied Statistics					
			3	X3XX	Creative Arts			See General Education Core Curriculum		
		17 Semester								
	SPRING		3	CSCI X3XX	CSCI Advanced Elective					
			3	X3XX	Advanced Elective					
			3	HIST 1302	U.S. History II		060			
		3	X3XX	Social & Behavioral Science			See General Education Core Curriculum			
		3	CSCI X3XX	CSCI Advanced Elective						
	3	CSCI 4390	Senior Project			CSCI 3340 or CMPE 3340 and consent of instructor.				
18 Semester										

Graduation Requirements

127 TOTAL HOURS

(48) TOTAL ADVANCED HOURS

Approved: Wednesday, March 12, 2014

Revised: 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.