

Bachelor of Science in Computer Engineering (CpE) Enterprise Concentration (12 cr.)

This suggested plan applies to students entering in Academic Year 2018-2019 who are ready for calculus.

Semester 1			Semester 2		
MA1160 ¹	Calculus with Technology 1	4	MA2160	Calculus with Technology 2	4
ENG1101	Engineering Anal./Problem Solving	3	CS1122 ²	Intro. to Programming II	3
PH1100	Physics Lab 1	1	PH2100	Univ. Physics I - Mechanics	3
CS1121 ²	Intro to Programming I	3	EE1111	Intro. to Elec & Comp Engg.	1
UN1015	Composition ⁵	3	EE1110	Essential Math for EE's	1
			UN1025	Global Issues ⁵	3
Total		14	Total		15
Semester 3			Semester 4		
MA2321 ³	Linear Algebra	2	EE2112	Electric Circuits II w/ Lab	4
MA3521 ³	Differential Equations	2	CS2311	Discrete Structures	3
EE2111	Electric Circuits I	3	CS2321	Data Structures	3
EE2174	Digital Logic and Lab	4	PH2200	University Physics II	3
CS1142	Programming at the H/S Interface	3	PH1200	Physics II Lab	1
	Crit/Creat. Thinking crse ⁵	3		Soc/Eth Reasoning crse ⁵	3
Total		17	Total		17
Semester 5			Semester 6		
EE3131	Electronics and Lab	4	EE3173	Hardware/Software Integration	4
EE3160	Signals and Systems	3	EE3901	Design Fundamentals	2
CS3421	Computer Organization	3	CS3411	Systems Programming	3
MA3710	Engineering Statistics	3	CS4321	Intro. to Algorithms	3
ENT2961	Teaming in Enterprise	2	ENT2962	Communication Contexts	1
ENT3950	Enterprise Project Work III	1	ENT3960	Enterprise Project Work IV	1
				HASS Comp/Comm. course ⁵	3
Total		16	Total		17
Semester 7			Semester 8		
ENT4950	Enterprise Project Work V	2	ENT4960	Enterprise Project Work VI	2
	Enterprise Concentration Module	1		Enterprise Concentration Module	1
	Enterprise Concentration Module	1		CpE Technical elective ^{4,6}	3
EE4173	Comp Sys Engg & Performance ⁶	3		CpE Technical elective ^{4,6}	2
EE4272/CS4461	Computer Networks ⁶	3		Math/Science elective	2
	Math/Science elective	3		HASS Humanities/Fine Arts ⁵	3
	HASS Soc & Beh Sciences ⁵	3		HASS elective ⁵	3
Total		16	Total		16
Total			128 Credits		

Students must add 3 units of co-curricular activities such as Physical Education, Pep Band, and/or music lessons. Follow pre-requisites and semester offerings. This is a 'suggested' plan which can vary by individual student; shows best route through system to avoid conflicts. Students who begin in a pre-calculus course will take ENG1001 and ENG1100 in place of ENG1101 in 1st year.

1. MA1160 may be replaced by MA1161
2. CS1131, Accelerated Introduction to Programming, may replace CS1121 and CS1122. Add 1 credit to CpE Technical Electives.
3. MA2320 and MA3520 may replace MA2321 and MA3521 (MA2320 and MA3520 are taken in separate semesters)
4. CpE Technical Electives are taken from the list of approved courses. Choose courses to develop advanced skills in your interest area(s) and gear your education toward a particular career path
5. Follow university General Education and Humanities, Arts & Social Sciences (HASS) distribution requirements.
6. Up to 6 credits "EE" level 4000+ may be double-counted toward the ECE accelerated master's program.