



COMPUTER ENGINEERING PROGRAM (2024 – 2025)

Fall of First Year (15 Credits)			Spring of First Year (16 Credits)		
ECE 1000	Introduction to Electrical and Computer Engineering	3	ECE 2700	Digital Design I	3
CS 1400	Fundamentals of Programming	3	ECE 2705	Digital Design I Lab	1
MATH 1210	Calculus I	4	MATH 1220	Calculus II	4
PHYS 2210	Physics for Scientists and Engineers	4	PHYS 2220	Physics for Scientists and Engineers II	4
PHYS 2215	Physics for Scientists and Engineers Lab	1	PHYS 2225	Physics for Scientists and Engineers II Lab	1
			ENGL 1010	Introduction to Writing	3
Fall of Second Year (16 Credits)			Spring of Second Year (15 Credits)		
ECE 2250	Circuit Theory	3	ECE 3740	Digital Design II	3
ECE 2255	Circuit Theory Lab	1	ECE 3760	Electronic Systems	3
ECE 2750	Engineering Analysis	3	ECE 3765	Electronic Systems Lab	1
CS 1410	Object-Oriented Programming	3	CS 2420	Introduction to Algorithms and Data Structures	3
Am. Inst.	Choose from GE approved American Institution list	3	CHEM 1210	Principles of Chemistry	4
ENGL 2010	Intermediate Writing	3	CHEM 1215	Principles of Chemistry Lab	1
Fall of Third Year (15 Credits)			Spring of Third Year (16 Credits)		
ECE 3710	Applied Engineering Probability & Statistics	3	ECE 3780	Comm Systems and Circuits	3
ECE 3730	Embedded Systems I	3	ECE 3785	Comm Systems and Circuits Lab	1
ECE 3770	Signals and Systems	3	ECE 4730	Embedded Systems II	3
CS 2300	Discrete Math Structures I	3	ECE 4750	Digital Signal Processing (DSP)	3
CS 2370	C ++ Programming	3	ECE 4755	DSP Lab	1
			General Education	Choose from HLTH 1100 or PES 1097	2
			COMM 1020	Public Speaking	3
Fall of Fourth Year (16 Credits)			Spring of Fourth Year (15 Credits)		
ECE 4760	VLSI Design	3	ECE 4950	ECE Capstone II	3
ECE 4765	VLSI Design Lab	1	ECE Elective	Choose from ECE 4850 or ECE 4260 or ECE 481R	3
ECE 4700	Computer Architecture for Engineering Application	3	CS 3060	Operating Systems Theory	3
ECE 4900	ECE Capstone I	3	COMM 2110	Interpersonal Communication	3
General Education	Choose from Biology Distribution list	3	PHIL 205G	Ethics and Values	3
General Education	Choose from Fine Arts Distribution List	3			

Note: Complete CE Exit Survey