COMPUTER ENGINEERING PROGRAM (2025-2026)

Fall of 1st Year (15 Credits)			Spring of 1st Year (16 Credits)		
ECE 1000	Intro 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
	American Institutions Elective	3	PHYS 2210	Physics I	4
ENGL 1010	Intro to Academic Writing	3	PHYS 2215	Physics I Lab	1
			ENGL 2010	Intermediate Academic Writing	3

Fall of 2nd Year (16 Credits)			Spring of 2nd Year (13 Credits)		
ECE 3710	Applied Probability and Statistics	3	ECE 2250	Circuit Theory	3
ECE 2750	Engineering Analysis	3	ECE 2255	Circuit Theory Lab	1
PHYS 2220	Physics II	4	ECE 3740	Digital Design II	3
PHYS 2225	Physics II Lab	1	CS 2370	C++ Programming	3
CS 1410	Object Oriented Programming	3		Physical Science	3

Fall of 3rd Year (15 Credits)			Spring of 3rd Year (17 Credits)		
ECE 3760	Electronic Systems	3	ECE 4730	Embedded Systems II	3
ECE 3765	Electronic Systems Lab	1	ECE 4750	Digital Signal Processing	3
ECE 3730	Embedded Systems I	3	ECE 4755	Digital Signal Processing Lab	1
ECE 3770	Signals and Systems	3		CE Elective I	4
CS 2300	Discrete Math Structures I	3	ECE 4850	Machine Learning	3
CS 2420	Intro to Algorithms and Data Structures	3		Personal, Professional and Civic Growth	3

Fall of 4th Year (16 Credits)			Spring of 4th Year (12 Credits)		
ECE 4700	Computer Architecture	3	ECE 4800	CE Senior Design Project	3
ECE 4760	VLSI Design	3		CE Elective II	3
ECE 4765	VLSI Design Lab	1	CS 3060	Operating Systems Theory	3
	Humanities Elective (COMM 1020)	3		Social and Behavioral Sci. (COMM 2110)	3
	Biology Elective	3			
	Fine Arts Elective	3			