2025 - 2026 Requirements

Sample 4 Year Plan
Computer Engineering B.S.
Engineering Math Pathway

Year 1 Fall	Year 1 Spring	Year 2 Fall	Year 2 Spring	Year 3 Fall	Year 3 Spring	Year 4 Fall	Year 4 Spring
ECE 1220 Intro to ECE 3	ECE 1230/1235 Circuits & Systems I + Lab 2/1	ECE/CS 3700 Digital Design 4		ECE 3991 Junior Seminar 1 F	ECE 3992 CE Pre-Thesis 3 S	ECE 4710 Senior Project 3 F	Technical Elective 3
Math 1310 Engineering Calc I (QR) 4	Math 1320 Engineering Calc II (QR) 4	Math 2250 Differential Equations & Linear Algebra 4	ECE/CS 3810 Computer Organization 3	ECE/CS 3710 Digital Design Lab 3 F	ECE 2280/2285 Circuits & Systems II + Lab 3/1	Technical Elective 3	Math or Science Elective 3
CS 1420 Intro Object-Oriented Programming 4	CS 2420 Intro to Algorithms & Data Structures 4	CS 2100 Discrete Structures 3	CS 3500 Software Practice 4	CS 4400 Computer Systems 3	ECE 5780 Embedded System Design 4 S	Addt. T.E. Credit 4	Technical Elective 3
		PHYS 2210 Physics I (PS) 4	PHYS 2220 Physics II 4	ECE 3530 Probability & Statistics (QI) 3			
			PHYS 2220 II LAB 1	Addt. T.E. Credit ECE 1500 AI/Robotics 3	Internship or Research from summer (or another class) 1	Gen Ed (HF/FF/BF) Combined w, DV/BF) 3	Gen Ed (HF/FF/BF) Combined w, DV/BF) 3
Ethics Course (ECE 1030, QUEST) 3	Writing I (WR1) 3		Writing II (WR2) 3	ECE 3030 (fufills CW) 3	Gen Ed (AI) 3	Gen Ed (HF/FF/BF) Combined w, DV/BF) 3	Gen Ed (LS) 3
14	14	15	15	16	15	16	15

120 total credits for graduation

Department of ELECTRICAL & COMPUTER ENGINEERING
THE UNIVERSITY OF UTAH