**2025 - 2026 Requirements**

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

| Year 1 Fall | Year 1 Spring | Summer | 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/CS 3810 Computer Organization 3 | ECE 3991 Junior Seminar 1 F | ECE 3992 CE Pre-Thesis 3 S | ECE 4710 Senior Project 3 F | Technical Elective 3 |
| Math 1210 Calc I (QR) 4 | Math 1220 Calc II (QR) 4 | Math 2210 Calc III (QR) 3 | Math 2270 Linear Algebra 4 | Math 2280 Differential Equations 4 | ECE/CS 3710 Digital Design Lab 3 F | ECE 2280/ 2285 Circuits & Systems II + Lab 3/1 | Technical Elective 3 | |
| CS 1400 1 Object-Oriented Programming 4 | CS 1410 2 Object-Oriented Programming 4 | CS 2420 Intro to Algorithms & Data Structures 4 | PHYS 2225 Physics II Lab 1 | CS 3500 Software Practice 4 | CS 4400 Computer Systems 3 | ECE 5780 Embedded Systems 4 S | | Technical Elective 3 |
| | PHYS 2210 Physics I (PS) 4 | | PHYS 2220 Physics II 4 | CS 2100 Discrete Structures 3 | ECE 3530 Probability & Statistics (QI) 3 | | Gen Ed (HF/ FF/BF) Combined w, DV/BF) 3 | |
| | | | | | ECE 3030 (fufills CW) 3 | | Gen Ed (AI) 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 | | | Addt. T.E. Credit ECE 1500 AI/Robotics 1 | Gen Ed (HF/ FF/BF) Combined w, DV/BF) 3 | Gen Ed (LS) 3 |
| 14 | 15 | 10 | 16 | 14 | 13 | 12 | 15 | 12 |

Department of ELECTRICAL & COMPUTER ENGINEERING
THE UNIVERSITY OF UTAH