## 2025-2026 Requirements

Sample 4 Year Plan
Electrical 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 2280/2285** Circuits & Systems II + Lab 3/1 | **ECE 3500/ 3505** Signals & Systems + Lab 3/1 | **BREADTH** 3 (or 4) | **ECE 3900** Junior Seminar 1 | **ECE 4900** Senior Thesis 4 | **ECE 4910** Senior Thesis 4 |
| **Math 1310** Engineering Calculus I (QR) 4 | **Math 1320** Engineering Calculus II 4 | **Math 2250** Differential Equations & Linear Algebra 4 | **Math 3140** Vector Calculus/PDE 4 | **BREADTH** 3 (or 4) | **ECE 5***** Technical Elective 3 (or 4) | **ECE 3***** Technical Elective 3 (or 4) | **ECE 3***** Technical Elective 3 (or 4) |
| **CS 1400** Intro to Programming (Addt. TE) 4 | | | **CS 1410** Intro to Object-Oriented Programming 4 | Additional Math/ Science Course (Ex. BIOL 1610, LS) 3 (or 4) | **ECE 3***** Technical Elective 3 (or 4) | ECE 3970/ 3990 Credit (OR T.E.) 3 | **Addt. T.E.** 3 |
| | **Phys 2210** Physics I (PS) 4 | **Phys 2220** Physics II 4 | **ECE 1500** AI/Robotics Addt. T.E. 3 | **Addt. T.E.** 3 | **ECE 3530** Probability & Statistics (QI) 3 | **Addt. T.E.** 3 | Gen Ed (HF/ FF/BF) Combined w, DV/BF) 3 |
| | **Phys 2215** Physics I Lab 1 | **Phys 2225** Physics II Lab 1 | | | | | |
| Ethics (ECE 1030 or QUEST) 3 | Writing I (WR1) 3 | Writing II (WR2) 3 | | Gen Ed (HF/ FF/BF) Combined w, DV/BF) 3 | ECE 3030 (CW) 3 | Gen Ed (HF/ FF/BF) Combined w, DV/BF) 3 | Gen Ed (AI) 3 |
| 14 | 15 | 16 | 15 | 15 | 13 | 16 | 16 |

Department of
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THE UNIVERSITY OF UTAH