2025-2026 Requirements

Engineering Calculus Sample 4 Year Plan
Electrical Engineering B.S.

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	Gen Ed e.g. BIOL 1610 (LS) 3	Breadth 1 3 or 4	**ECE 3900** Junior Seminar 1	**ECE 4900** Senior Capstone I 4	**ECE 4910** Senior Capstone II 4
MATH 1310 Calculus I (QL) 4	**MATH 1320** Calculus II 4	**MATH 2270** Linear Algebra 4	**MATH 2280** Differential Equations 4	**MATH 3140** PDEs and Vector Calculus 4	**ECE 3530** Engineering Probability & Statistics (QI) 3	**ECE 5***** Technical Elective (Depth) 3 or 4	**ECE 3***** Technical Elective 3 or 4
CS 1400 Intro to Programming 4	**PHYS 2210** Physics I (PS) 4	**PHYS 2220** Physics II 4	**CS 1410** Obj. Oriented Programming 4	**ECE 3500/3505** Signals & Systems/Lab 3/1	Breadth 2 3 or 4	**ECE 3970/3990** Technical Elective (unrestricted) 3 *from summer*	**ECE 3***** Technical Elective 3 or 4
Gen Ed e.g. ECE 1030 (IR/Ethics) 3					**ECE 3***** Technical Elective 3 or 4		**ECE 3***** Add'l Technical Elective (if needed) 3
	Gen Ed e.g. WRTG 1010 (WR1) 3	Gen Ed (AI) 3	Gen Ed e.g. WRTG 2010 (WR2) 3	Gen Ed e.g. QUEST (BF/DV/Ethics HF/DV/Ethics) 3	ECE 3030 (CW) 3	Gen Ed (FF) 3	Gen Ed remaining requirement (if needed) 3
14	14	15	14	14-15	13-14	13-15	12-16

Credits

Department of ELECTRICAL & COMPUTER ENGINEERING
THE UNIVERSITY OF UTAH

Math & Science | Computer Science | Breadth Electives | ECE

Gen Ed Courses can be taken in or out of order with exception to WR1 and WR2.

GenEd requirements:

- WR1: Writing I
- WR2: Writing II
- AI: American Institutions
- BF: Social Science
- HF: Humanities
- FF: Fine Arts
- LS Life Science
- PS: Physical Science
- DV: Diversity
- IR: International Requirement
- CW: Upper Division Writing
- QL: Quantitative Literacy
- QI: Quantitative Intensive