# Traditional 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 1210** Calculus I (QL) 4 | **MATH 1220** Calculus II 4 | **MATH 2210** Calculus III 4 | **MATH 2270** Linear Algebra 4 | **MATH 2280** Differential Equations 4 | **MATH 3150** Partial Differential Equations 2 | **ECE 3530** Engineering Probability & Statistics (QI) 3 | **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 | Breadth 2 3 or 4 | **ECE 3500/3505** Signals & Systems/Lab 3/1 | **ECE 5***** Technical Elective (Depth) 3 or 4 | **ECE 3***** Technical Elective 3 or 4 |
| Gen Ed e.g. ECE 1030 (IR/Ethics) 3 | | | | | **ECE 3***** Technical Elective 3 or 4 | **ECE 3970/3990** unrestricted Technical Elective 3 (from summer) | **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 | 15 | 16 | 14 | 13-15 | 13-14 | 16-17 | 13-16 |

**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