Sample 4 Year Plan
Solid State / MEMs
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 1900 Intro to ECE (seminar) 1	**ECE 1240/ 1245/1050** Intro to Circuit Design + Labs 3/.5/.5	**ECE 2240/2245** Intro to Electric Circuits + Lab 3/1	**ECE 2280/ 2285** Engineering Electronics +Lab 3/1	**ECE 3500** Signals & Systems 4	**ECE 3110** Engineering Electronics II 4	**ECE 4900** Senior Thesis 4	**ECE 4910** Senior Thesis 4
Math 1310 Engineering Calculus I (QR) 4	**Math 1320** Engineering Calculus II (QR) 4	**Math 2250** Differential Equations & Linear Algebra (QR) 4	**Math 3140** Vector Calculus (QR) 4	**ECE 3200** Intro to Semiconductor Device Physics 3	**ECE 3900** Junior Seminar 1	**ECE 5201** Physics of Nano-Electronics 3	**ECE 5221** Fundamentals of Micromachining Processes 3
CS 1400 Intro to Programming 4			**CS 1410** Intro to Object-Oriented Programming 4	**ECE 3740** Intro to Quantum Theory and Relativity 3	**ECE 3530** Probability & Statistics (fulfills QI) 3	Technical Elective 3	Breadth 4 4
Writing (WR2) 3	**Phys 2210** Physics I (SF) 4	**Phys 2220/ 2225** Physics II + Lab (SF) 4/1		**Math 3160** Applied Complex Variables 2	Chem or Bio 4	Technical Elective 3	
LEAP 1501 (BF) 3	LEAP 1500 (HF & DV) 3	Gen Ed (AI) 3	Gen Ed (FF) 3	Gen Ed (BF) 3	Upper Division Writing (CW) 3	Gen Ed (FF) 3	Gen Ed (HF) 3
15	15	16	15	15	15	16	14

Credits

Department of ELECTRICAL & COMPUTER ENGINEERING
THE UNIVERSITY OF UTAH

Research or Internship Credit (or additional class) 3

Gen Ed (IR) Could choose a joint class w/ FF, HF or BF 3

Black outlines represent TE credits (need 39)