Sample 4 Year Plan
Solid State / MEMs
Electrical Engineering B.S.

Year 1
Fall
- ECE 1900 Intro to ECE (seminar)
- Math 1310 Engineering Calculus I (QR)
- CS 1400 Intro to Programming

Spring
- ECE 1240/1245/1050 Intro to Circuit Design + Labs 3/5/5
- Math 1320 Engineering Calculus II (QR)
- Phys 2210 Physics I (SF)

Year 2
Fall
- ECE 2240/2245 Intro to Electric Circuits + Lab 3/1
- Math 2250 Differential Equations & Linear Algebra (QR)
- LEAP 1501 (BF)

Spring
- ECE 2280/2285 Engineering Electronics + Lab 3/1
- Math 3140 Vector Calculus (QR)
- Phys 2220/2225 Physics II + Lab 4/1

Year 3
Fall
- ECE 3200 Intro to Semiconductor Device Physics
- Math 3160 Applied Complex Variables
- Gen Ed (AI)

Spring
- ECE 3500 Signals & Systems
- ECE 3740 Intro to Quantum Theory and Relativity
- Gen Ed (FF)

Year 4
Fall
- ECE 3110 Engineering Electronics II
- ECE 3900 Junior Seminar
- Gen Ed (BF)

Spring
- ECE 4900 Senior Thesis
- ECE 5201 Physics of Nano-Electronics
- Gen Ed (HF)

Credits
15 15 16 15 15 15 16 14

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)