## MAJOR REQUIREMENTS

### Lower Division Requirements
- CHEM 6A General Chemistry I
- MATH 20A Calculus I
- MATH 20B Calculus II
- MATH 20C Calculus III
- MATH 20D Differential Equations
- MATH 20E Vector Calculus
- MATH 18 Linear Algebra
- PHYS 2A Mechanics
- PHYS 2B Electricity and Magnetism
- PHYS 2C Flu, Wav, Thrmdyn, Optics
- PHYS 2D Relativity & Quantum
- ECE 15 Engineering Computation
- ECE 25 Intro to Digital Design
- ECE 35 Intro to Analog Design
- ECE 45 Circuits & Systems
- ECE 65 Components & Circuits Lab

- 2 courses in Social Sciences/Humanities
- ECE 15 Engineering Computation
- ECE 25 Intro to Digital Design
- ECE 35 Intro to Analog Design
- ECE 45 Circuits & Systems
- ECE 65 Components & Circuits Lab

### Upper Division Requirements

**BREADTH**
- ECE 100 Linear Electronic Systems
- ECE 101 Linear Systems Fundamentals
- ECE 102 Intro Active Circuit Design
- ECE 103 Fundamentals/Devices & Matrls
- ECE 107 Electromagnetism
- ECE 109 Eng. Probability & Stats

**DEPTH: 6 courses**
- ECE 25 Intro to Digital Design
- ECE 35 Intro to Analog Design
- ECE 45 Circuits & Systems
- ECE 65 Components & Circuits Lab
- ECE 100 Linear Electronic Systems
- ECE 101 Linear Systems Fundamentals

**Design Course:** ECE 111, 115, 191, or 190

**E. Elective**

### Electives:

- Technical
  - ECE 15 Engineering Computation
  - ECE 25 Intro to Digital Design
  - ECE 35 Intro to Analog Design
  - ECE 45 Circuits & Systems
  - ECE 65 Components & Circuits Lab

### PLEASE NOTE:

- All courses used to satisfy major requirements must be taken for a LETTER GRADE and completed with a C– or better.
- For personalized course plans, please set up an appointment with an advisor.
- Due to six different college requirements, only major requirements are listed.