Electrical Engineering

Physics (28 credits)

- ❑ PHY205/123 – Physics 1[1]
- ❑ PHY206/125 - Physics II
- ❑ PHY301 – Mathematical and Numerical Techniques
- ❑ PHY311 - Quantum I
- ❑ PHY321 – Electricity & Magnetism
- ❑ PHY325 - Semiconductor Devices
- ❑ PHY355 - Electronics

Math (19 credits)

- ❑ MAT211 Calculus I
- ❑ MAT212 Calculus II
- ❑ MAT213 Calculus III
- ❑ MAT225 Discrete Math
- ❑ MAT322 Differential Equations

Computer & Electrical Engineering (34 credits)

- ❑ ELEC100 – Programming for Engineering
- ❑ CMPE220 Computer Organization
- ❑ CMPE322 Microcontrollers and Interfaces
- ❑ CMPE420 Digital and Reconfigurable Computing
- ❑ ELEC221 – Foundations of Electronic Systems
- ❑ ELEC430 – Signals & Systems
- ❑ CMPE499 – Development Project (capstone)

Electives (>=5 credits) from:

- ❑ ____ CSC394 – Internship
- ❑ _____ CSC399 – Special Topics (with approval) (4 credits)
- ❑ ____ Any ELEC or CMPE course at 300 level or higher
- ❑ _____Any ELEC or CMPE course at 300 level or higher
- ❑ _2__CMPE498 – Engineering Research

[1] Students who completed PHY225/226 satisfy this requirement