Electrical Engineering

Physics (28 credits)

- PHY205/123 – Physics I
- 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

1 Students who completed PHY225/226 satisfy this requirement