Electrical Engineering

Physics (24 credits)

- PHY205/123 – Physics I\(^1\)
- PHY206/125 – Physics II\(^2\)
- 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 (33 credits)

- ELEC100 – Programming for Engineering
- CMPE220 – Computer Organization
- CMPE322 – Microcontrollers and Interfaces
- CMPE420 – Digital and Reconfigurable Computing
- ELEC210 – Signals & Systems
- ELEC300 – Foundations of Electronic Systems
- ELEC360 – Communication Systems
- ELEC422 – High Speed Circuits
- CMPE499 – Development Project (capstone)

Electives (≥5 credits) from:

- Any ELEC or CMPE course at 300 level or higher

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\(^1\) Students who completed PHY221 satisfy this requirement
\(^2\) Students who completed PHY222 satisfy this requirement