Requirements for a Minor in Electrical Engineering

1. A minor in electrical engineering can be earned through completion of 20 credits selected from among the ENG courses listed below.
2. No more than 8 credits from the student’s major degree program can be used to satisfy minor requirements.
3. Students are expected to obtain the necessary background (prerequisites or equivalents) to complete chosen courses in the minor program.
4. Students must have a declared major on record in order to apply for a minor in Electrical Engineering.
5. For the minor to be awarded, the grade point average (GPA) of the courses (20 credits) counted toward the minor must be 2.0 or greater.
6. The student’s application is subject to the approval of the Associate Chair for Undergraduate Studies of the Department of Electrical and Computer Engineering.
7. Students planning to pursue a minor in Electrical Engineering should apply as early as possible to facilitate course planning, and in no case later than October 1 of the senior year.

Courses that can be used to satisfy the requirements of the EE Minor*:

ENG EC311- Logic Design
ENG EC401- Signals and Systems
ENG EC402- Control System
ENG EC410- Electronics
ENG EC412- Analog Electronics
ENG EC415- Communication Systems
ENG EC416- Digital Signal Processing
ENG EC417- Electrical Energy Systems
ENG EC450- Microprocessors
ENG EC455- Electromagnetics I
ENG EC456- Electromagnetics II
ENG EC470- Sensors in Space
ENG EC471- Physics of Semiconductor Devices
ENG EC481- Nanomaterials
ENG EC560- Intro to Photonics
ENG EC583- Power Electronics
Other 500- level courses by petition

*Courses that are core requirements for the student's major (i.e., not an elective or part of a restricted elective) may not be used to fulfill requirements for the EE minor.

Note: In each of the lists (1) and (2) below, students are expected to complete the course required for the major, where appropriate. The courses within each list overlap too much for both to be taken for credit, with one counted toward the major, and the other toward the minor:

(1) ENG BE 401, ENG EC 401
(2) ENG BE 402, ENG EC 402, ENG ME 403, ENG ME 404