

Physics C Mechanics	5	PHYS 10310	4
Physics C Electricity and Magnetism	5	PHYS 10320	4

EE Requirements

The Department of Electrical Engineering has a set of course requirements for all students earning a BSEE degree. This includes the following courses

EE Core (18 credits)

- Introduction to Electrical Engineering, EE 20100/21100 (3 credits)
- Introduction to Computing for Electrical Engineers, CSE 20133 (3 credits)
- Signal and Information Systems, EE 20221 (3 credits)
- Digital System Design, EE 20231 (3 credits)
- Electronic Devices and Circuits, EE 20241/21241 (3 credits)
- Random Phenomena, EE 30210 (3 credits)

EE Design (6 credits)

- Senior Design I, EE 41190
- Senior Design II, EE 41290

EE Elective Core (9 credits)

Any 3 of the following courses:

- Analog and Digital Circuit Design, EE 30142 (3 credits)
- Applications of Electromagnetics, EE 30152 (3 credits)
- System Theory and Design, EE 30122 (3 credits)
- Applied Embedded Systems Design, EE 30132 (3 credits)

EE Lab Elective (3 credits)

Any 1 of the following courses:

- Control Systems, EE 40024/41024
- Communication Systems, EE 40023/41023
- Microwave Circuits, EE 40043/41043
- IC Fabrication, EE 40063/41063
- Photonics, EE 40064/41064

EE Electives (15 credits)

- Any 30000+ course in EE or CSE that is not already being used to satisfy the EE Elective Core or the EE Lab Elective (except CSE 30600, 40600, 40923 or 40175)
- Limit of 6 credits of Undergraduate Research, EE 48499

Technical Electives (9 credits)

- Any 20000+ course in the College of Engineering that is not already being used to satisfy the EE Elective Core, the EE Lab Elective or EE Elective

- Limit of 3 credits of Undergraduate Research, EE28499
- Any 30000+ course in the College of Science (except ACMS 30440 and MATH 30530)
- Any 40000+ course from ITAO Department in the College of Business
- FTT 30416
- ROTC students may use 3 credits of a ROTC 40000 level course to satisfy a Technical Elective requirement.

While the above requirements total 119 credits there is an additional requirement of completing a minimum of 125 credits. These credits can be earned by taking any graded course at the university and can be satisfied by students completing a minor, supplemental major or second major.