

Electrical Engineering (EE) students are free to choose their upper division Electrical & Computer Engineering (ECE) electives, but certain courses will deal in related matters and taking these in combination would help students go in-depth in specific areas. In previous curriculums, these would be called track courses/electives.

Students interested in following these tracks to fulfill 2 or 3 of their upper division electives should take into consideration Fall/Spring only offerings and pre-requisites needed and plan carefully, including back up plans just in case. Occasionally some of these courses are not offered at all some years. Time conflicts may occur with core courses required for the degree with no alternatives, in which case students should prioritize the core courses and pick a different elective instead.

Students should remember that following these tracks is optional and should the courses listed in a particular track not be possible for whatever reason, they can simply choose to take a different ECE upper division elective.

- Digital Systems: ECE 338, 438, ECE 231L\*, 331 \*231L is a lower division course, but can be accepted as an upper division elective for EE students.
- Electromagnetics: ECE 460, 469, ECE 495 Comp. Methods, ECE 495 Plasma Physics
- Microelectronics: ECE 471, 474L, 421, 424
- Optoelectronics: ECE 471, 475
- Power and Energy Systems: ECE 483, 484, 488
- Signals and Communications: ECE 439, 442
- Systems and Controls: ECE 446, ECE 495 Autonomous Mobile Robots, ECE 495 Guidance, Navigation, & Control of Spacecrafts
- Quantum Information Sciences: ECE 445