Technical Electives by Focus Areas
(Not all courses on the list are offered. Check class schedules for availability)

Signals, Communications and Networking:
- EE 401 Radio Frequency (RF) and Microwave Circuits I^+
- EE 409 Senior Design Implementation^+
- EE 413 Communication Electronics^*
- EE 416 Signal Processing Algorithms^*
- EE 456 Radio Frequency (RF) and Microwave Circuits II^*^+
- EE 458 Radio Frequency (RF) / Microwave Laboratory^*
- EE 460 Introduction to Magnetic Resonance Imaging
- EE 462 Principles of Medical and Radar Imaging
- EE 484 Communications Systems II
- Special Topics Courses

Electronics:
- EE 401 Radio Frequency (RF) and Microwave Circuits I^+
- EE 403 Intro to Plasma Processing^*
- EE 409 Senior Design Implementation^+
- EE 410 Electronic Instrument Design I^*^+
- EE 413 Communication Electronics^+
- EE 415 Micromechanical Systems
- EE 418 Quantum Mechanics for Engineers^**
- EE 421 Semiconductor Materials^*
- EE 422 Nanomaterials
- EE 423 Nanotechnology and Science^**
- EE 428 BioMEMS and Lab-on-a-Chip
- EE 429 Introduction to Electromagnetic Compatibility^*
- EE 430 Fundamentals of Solid State Devices^*
- EE 435 Java Applet Modeling for Visual Engineering Simulation^*
- EE 448 Microelectronic Device Fabrication
- EE 449 Analog Integrated Circuit Layout^*
- EE 453 Microelectronic Fabrication Lab^*
- EE 456 Radio Frequency (RF) and Microwave Circuits II^*^*
- EE 458 Radio Frequency (RF) / Microwave Laboratory^*
- EE 478 HDL Based Digital Design with Programmable Logic
- EE 480 Biomedical Electronics
- EE 488 Fundamentals of Modern VLSI Devices
- EE 491 Analog Circuits^***
- Special Topics Courses
**Optics and Photonics:**
- EE 409 Senior Design Implementation*
- EE 412 Nanophotonics
- EE 415 Microelectromechanical Systems
- EE 422 Nanomaterials
- EE 423 Nanotechnology and Science
- EE 428 BioMEMS and Lab-on-a-Chip
- EE 455 Photonic Devices
- EE 480 Biomedical Electronics
- EE 489 Lasers and Photonics*
- EE 490 Consumer Optoelectronics
- Special Topics Courses

**Energy Systems:**
- EE 409 Senior Design Implementation*
- EE 419 Industrial Control Systems*
- EE 425 Electrical Devices I*
- EE 438 Electrochemical Power Sources: Design, Function, and Selection*
- EE 465 Current Research Topics of Pulsed Power Applications*
- EE 467 Integrated Power Electronics*
- EE 470 Renewable Distributed Generation and Storage*
- EE 471 Sustainable Energy Systems
- EE 476 High-Voltage Engineering
- EE 482 Power Systems Engineering I*
- Special Topics Courses

* Courses not offered in 2013-2014 academic year
** Courses offerings TBD
+ Courses with design