2016-2017 Electrical Engineering Technical Electives

EE Focus Technical Electives: You must take at least three of these

- ECE 323 Electric Power Conversion (ECE 214 & C- in ECE210)
- ECE 427 Electric Power Systems (C- in ECE210)
- ECE 484 Communications Engineering (ECE314 & ECE 316)
- ECE 444 Analog IC Design (ECE314 & ECE343)
- ECE 462 Semiconductor Devices (Chy131, PHY122, MAT258)
- ECE 465 Introduction to Sensors (junior standing)
- ECE 498 Selected Topics with EE focus (varies)
- ECE 453 Microwave Engineering (ECE351)
- ECE 445 Digital IC Design (ECE342)
- ECE 464 Microelectronics Engineering (Chy131, PHY122, MAT258)
- ECE 484 Communications Engineering (ECE314 & ECE 316)
- ECE 471 Embedded Systems (ECE271)
- ECE 477 Hardware Applications in C (ECE271)
- ECE 473 Computer Arch. & Org. (ECE275)
- ECE 478 Industrial Computer Control (ECE271)
- ECE 498 Selected Topics (varies)
- Other Courses with Adviser Approval (varies)

If you wish to specialize in an area, some possibilities are:

- Power and Alternative Energy
  ECE 323, ECE427

- Communications and Wireless
  ECE484, ECE453

- Microelectronics and Circuits
  ECE444, ECE445, ECE462, ECE464, PHY236

- Solid State and Sensors
  ECE453, ECE465, ECE462, ECE464, PHY236

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