Electrical Engineering Electives

Digital Communication / Signal Processing
- ECE 3040 Signals and Systems
  - ECE 4220 Digital Signal Processing
  - ECE 4250 Wireless Communication
  - ECE 4260 Wireless Networks
    (also elective for Computer Science)

Digital Design / Embedded Systems
- ECE 3070 Analog Circuits
  - ECE 3220 Digital Design with VHDL
  - ECE 3250 Embedded Systems
- ECE 3200 Digital Circuits
  - ECE 4240 Microprocessor Design

Robotics / Control Systems
- ECE 3320 Fields and Waves
  - ECE 4570 Robotics

Power Systems / Power Electronics
- ECE 3370 Power Systems Fundamentals
  - ECE 4370 Power System Analysis
  - ECE 4380/4381 Power System Operations w/ Renewable Energy Resources

Image Processing / Computer Vision
- ECE 3280 Instrumentation, Control, and Data Acquisition
  - ECE 4470 Computer Vision
    (also elective for Computer Science)
- ECE 4240 Microprocessor Design
  - ECE/CMPS 4550 Applied Machine Learning
    (requires Math 3200)
- ECE 4460 Image Processing