Electrical Engineering Technical Electives

**Computer Track:** Computer Track students must take three (3) technical electives (9 semester hours) from the list below. The courses required by the Computer Track will not count as a technical elective.

**Electrical Track:** Electrical Track students must take four (4) technical electives (12 semester hours) from the list below. The courses required by the Electrical Track will not count as a technical elective.

- EE 402 Microwave and Optical Transmission
- EE 403 Communication Systems (required for Electrical Track)
- EE 420 Energy Conversion
- EE 421 Electric Power Systems
- EE 423 Power Electronics and Applications
- EE 424 Power Systems and Applications
- EE 433 Microprocessor Interfacing and Communications (required for Computer Track)
- EE 434 ASIC Design
- EE 435 Verilog Digital Systems Modeling
- EE 436 VHDL-Based Digital Systems Design
- EE 437 Advanced Computer Architecture
- EE 438 Introduction to Digital VLSI Design
- EE 439 Microprocessor System Design
- EE 443 Computer Vision
- EE 451 Advanced Analog Electronics
- EE 462 Digital Signal Processing
- EE 490 Directed Study
- EGR 404 Automatic Control Systems (required for Electrical Track)
- CS 304 Data Structures II (required for Computer Track)
- CS 446 Operating Systems (required for Computer Track)
- CS 4XX Computer Science