## Electrical Engineering Technology B.S. Course Sequence (typical)

**Catalog - 2013/2014**

**Total undergraduate credits** 126

### Freshman (Fall)
- ENGL103 - Composition I (3)
- COMS 100 - Fundamentals of Oral Communication (3)
- MATH 229 - Calculus I (4)
- PHYS 210 - General Physics I (4)
- General Education Requirement 1 (3)

### Freshman (Spring)
- CHEM 110 - Chemistry or CHEM 210 - General Chem I (3)
- CHEM 111 - Chem Lab or CHEM 212 - Gen Chem Lab (1)
- ENGL104 - Composition II (3)
- MATH 230 - Calculus II (4)
- PHYS 211 - General Physics II (4)

### Sophomore (Fall)
- CSCI 240 - Computer Programming in C++ (4)
- TECH 270 - Electrical Fund & Circuit Analysis I (3)
- TECH 277 - Digital Logic Design (3)
- TECH 211 - Computer-Aided Design (3)
- General Education Requirement 1 (3)

### Sophomore (Spring)
- TECH 271 - Electrical Fund & Circuit Analysis II (3)
- TECH 271A - Electrical Fund & Circuit Analysis Lab II (1)
- TECH 276 - Electronics I (3)
- TECH 276A - Electronics I Lab (1)
- TECH 265 - Basic Manufacturing Processes (3)
- General Education Requirement 2 (3)

### Junior (Fall)
- TECH 376 - Electronics II (3)
- TECH 376A - Electronics II Lab (1)
- TECH 375 - Control Systems (3)
- EET Elective 1 (3)
- STAT 208 - Basic Stats or STAT 301 - Elementary Stats (3)
- EET Elective 2 (3)

### Junior (Spring)
- TECH 377 - Microprocessors and Interfacing (3)
- TECH 377A - Microprocessors and Interfacing Lab (1)
- TECH 378 - Communication System Design I (3)
- TECH 378A - Communications System Design Lab (1)
- TECH 379 - Electric Machines and Transformers (3)
- TECH 379A - Electric Machines and Transformers Lab (1)
- Engl 308 - Technical Writing (3)

### Senior (Fall)
- TECH 477 - Egr Tech Senior Design Project I (1)
- General Education Requirement 3 (3)
- General Education Requirement 4 (3)
- EET Elective 3 (3)
- EET Elective 4 (3)
- EET Elective 5 (3)

### Senior (Spring)
- TECH 478 - Egr Tech Senior Design Project II (3)
- General Education Requirement 5 (3)
- General Education Requirement 6 (3)
- EET Elective 6 (3)
- EET elective 7 (3)

### Electives (21 Total Hours Required)

#### Electives - Choose 6 hours from below
- TECH 295 - Mfg Comp Apps (3) or CSCI 215 - Visual Basic (3)
- TECH 409 - Internship (3)
- TECH 419 - Energy Auditing (3)
- TECH 425 - Programmable Electronic Controllers (3)
- TECH 445 - Ind Energy Utilization & Environmental Impacts (3)
- TECH 391 - Industrial Quality Control (3)
- TECH 393 - Structure and Properties of Materials (3)
- TECH 415 - Applied Industrial Experimental Analysis (3)
- TECH 417 - Design for Energy Efficiency & Green Materials (3)
- TECH 420 - Computer-Integrated Manufacturing (3)
- TECH 443 - Engineering Economy (3)

#### Electives - Choose 9 hours from below
- TECH 426 - Electronic Systems Apps for Alternative Energy (3)
- TECH 430 - Microcontrollers Interfacing and Applications (3)
- TECH 470 - Fiber Optics Communications (3)
- TECH 471 - Digital and Data Communication (3)
- TECH 472 - Integrated Circuit Devices (3)
- TECH 473 - Advanced Digital Design (3)
- TECH 475 - Computer Simulation in Electronics (3)
- TECH 476 - Industrial Control Electronics (3)
- TECH 479 - Special Topics in Engineering Technology (3)