Required Technology Courses

- **Tech 175**
  - p: Math 155, Phys 210
  - ELECTRICITY AND ELECT FUND - (f)
- **Tech 175A**
  - e: TECH175
  - ELECTRICITY AND ELECT FUND lab - (f)
- **Tech 211**
  - CAD/COMPUTER-AIDED MODELING - (f)
- **Tech 265**
  - p: Math 155
  - BASIC MANUFACTURING PROCESSES - (f)
- **Tech 270**
  - p: T175 or Phys 211; M155; Tech 270A
  - ELECTRICAL FUND AND CIRCUIT ANAL I - (f)
- **Tech 270A**
  - e: TECH 270
  - ELECTRICAL FUND AND CIRCUIT ANAL I LAB - (f)
- **Tech 271**
  - p: Tech 270; Math 229, Tech 271A
  - ELECTRICAL FUND AND CIRCUIT ANAL II - (f)
- **Tech 271A**
  - e: TECH 271
  - ELECTRICAL FUND AND CIRCUIT ANAL II LAB - (f)

Electrical Engineering Technology Electives - Electives may change each semester

Choose 6 semester hours

- **Tech 295**
  - p: Math 155, Tech 265
  - Manufacturing Computer Applications - (f)
- **Csci 215**
  - p: Math 110
  - Visual Basic
- **Tech 409**
  - p: Junior Standing
  - Internship
- **Tech 419**
  - p: Math 155
  - Energy Auditing
- **Tech 425**
  - p: Tech 175 or Phys 211; T265; T295; CSCI240
  - Programmable Electronic Controllers - (f)
- **Tech 445**
  - p: Math 155, Chem 110 or 210
  - Ind Energy Utilization & Environmental Impacts

Choose 6 semester hours

- **Tech 391**
  - p: Math 155 & STAT 208
  - Industrial Quality Control - (f, s)
- **Tech 393**
  - p: Math 155, Chem 111/210
  - Structure and Properties of Matls - (f)
- **Tech 415**
  - p: Math 155 and Stat 208
  - Applied Industrial Experimental Analysis - (f)
- **Tech 417**
  - p: Math 155, Phy 210
  - Design for Energy Efficiency & Green Materials
- **Tech 420**
  - p: T175/175A; T211; T265
  - Computer-Integrated Manufacturing - (f)
- **Tech 443**
  - p: Math 155
  - Engineering Economy - (f, s)

Choose 9 semester hours

- **Tech 426**
  - p: M155; Tech 175 or Phys 211
  - Electronic Systems Apps for Alternative Energy
- **Tech 430**
  - p: TECH 377
  - Microprocessors and Interfacing LAB - (f)
- **Tech 470**
  - p: TECH 377
  - Fiber Optics Communications
- **Tech 471**
  - p: TECH 378
  - Digital and Data Communication
- **Tech 472**
  - p: TECH 377, TECH 376
  - Integrated Circuit Devices
- **Tech 473**
  - p: TECH 377, TECH 377A
  - Advanced Digital Design
- **Tech 475**
  - p: TECH 271, TECH 276
  - Computer Simulation in Electronics
- **Tech 476**
  - p: TECH 376, TECH 379
  - Industrial Control Electronics
- **Tech 479**
  - p: see instructor
  - Special Topics in Engineering Technology

General Education Courses - See Tech Department website or Undergraduate Catalog

- **Humaities and the arts - 3 courses**
  - one course must be from VPA
- **Interdisciplinary Studies - 1 course**
- **Social Science - 2 courses**

6/24/2014