2011/2012 NIU Undergraduate Bulletin
Electrical Engineering Technology
Credits Required for Graduation 126

Note: Semester offering and prerequisites may change, the current bulletin and schedule should be consulted.
Legend - p - prerequisite e - corequisite f - fall semester s - spring semester

Required Technology Courses

- Engl 103 Rhetoric and Composition I (6)
- Engl 104 p-Engl 103 Rhetoric and Composition II (6)
- Coms 100 Fundamentals of Oral Comm (6)
- English 308 Technical Writing (6)
- Chem 110 (or Chem210T) General Chemistry I (6)
- Chem 111 (or Chem212) General Chemistry II (6)
- Stat 208 (or Stat 301) Statistics II (6)
- Tech 211 p-Phys 210 or 250A General Physics II (6)
- Math 155 p-Math110 or placement test Trigonometry (6)
- Math 229 p-Math155 or placement test Calculus I (6)
- Math 230 p-Math229 Calculus II (6)
- CSCI 240 p-Math110 Computer Programming in C (6)
- CSCI 240 p-Math110 Computer Programming in C (6)

Electrical Engineering Technology Electives - Electives may change each semester

Choose 6 semester hours

- Tech 409 p: Junior Standing Internship
- Tech 418 p: Math 155, Chem 110 or 210 Biobased Fuels and Alternative Energy Applications
- Tech 419 p: Math 155 Energy Auditing
- Tech 425 p:Tech175 or Phys 211(T265)(T295 or CSCI240) Programmable Electronic Controllers - (6)
- Tech 277 p:T175 or Phys211 e: Tech277A DIGITAL LOGIC DESIGN - (6)
- Tech 277A p:TECH 277A ELECTRONICS I LAB - (6)
- Tech 375 p:Math230, TECH271 CONTROL SYSTEMS - (6)
- Tech 376 p:Math229, T276, e: T376A ELECTRONICS II - (6)
- Tech 376A p:e:TECH376 ELECTRONICS II LAB - (6)
- Tech 377A p:TECH377 ELECTRONICS II LAB - (6)
- Tech 378A p:TECH 378 ELECTRONICS II - (6)
- Tech 379A p:TECH 379 ELECTRONICS AND CIRCUIT ANALalyL (6)
- Tech 472 p:TECH277, TECH 378 ELECTRICAL MACH AND TRANSFORMERS (6)
- Tech 477 p:TECH 477 COMPUTER PROGRAMMING IN C - (6)
- Tech 478 p:TECH 477 ELECTRICAL MACH AND TRANSFORMERS LAB (6)
- Tech 479 p:see instructor ENG TECH SEN DESIGN PROJECT II - (6)

Choose 6 semester hours

- Tech 391 p: Math 155 & STAT 208 Industrial Quality Control - (f, s)
- Tech 415 p: Math 155 and Stat 208 Applied Industrial Experimental Analysis - (f)
- Tech 417 p: Math155, Phy 150A or 210 Design for Energy Efficiency & Green Materials - (f)
- Tech 420 p:T175 or Phy211, T211, T265 Computer-Integrated Manufacturing - (f)
- Tech 443 p: Math 155 Engineering Economy - (f, s)
- Tech 426 p: M155, Tech175 or Phys211 Electronic Systems Apps for Alternative Energy - (f)
- Tech 430 p:TECH 377 Microcontrollers Interfacing & Applications
- Tech 470 p:TECH 378 Fiber Optics Communications
- Tech 471 p:TECH 378 Digital and Data Communication
- Tech 472 p:TECH 277, 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

- Humanities and the arts - 3 courses one course must be from VPA (3)
- Social Science - 2 courses (3)

Interdisciplinary Studies - 1 course (3)

8/31/2011