2011/2012 NIU Undergraduate Bulletin
Energy and Environmental Technology
Credits Required for Graduation

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

- **Engl 103**
  Rhetoric and Composition I  - (fa)

- **Engl 104** p:Engl 103
  Rhetoric and Composition II  - (fa)

- **Coms 100**
  Fundamentals of Oral Comm  - (fa)

- **English 308 or Mgmt 346**
  Technical Writing or Business Communications  - (fa)

- **Chem 110 (or Chem210T)**
  General Chemistry I  - (fa)

- **Chem 111 (or Chem212)**
  General Chemistry I Lab  - (fa)

- **Stat 208 (or Stat 301)**
  Statistics  - (fa)

- **Phys 150A or (Phys210 - p:M155)**
  Physics - (fa)

### Required Technology Courses

- **Tech 175** p:Math155, Phys210
  Electricity and Elect Fund  - (fa)

- **Tech 175a** c:Tech175
  Electricity and Elect Fund Lab  - (fa)

- **Tech 211**
  Computer-Aided Design  - (fa)

- **Tech 245**
  Pollution, Prevention, Pestilence  - (fa)

- **Tech 262** p:Tech 211
  Machine Production Processes  - (fa)

- **Tech 265** p:Math155
  Basic Manuf Processes  - (fa)

- **Tech 295** p:Math155, Tech215
  Manufacturing Computer Apps or Visual Basic  - (fa)

- **Tech 305** p: Math155, C110 or Envs 305
  Green Technologies  - (fa)

- **Tech 391** p:Math155, Stat208
  Industrial Quality Control  - (fa)

- **Tech 406**
  Facilities Management Technology  - (fa)

- **Tech 416** p: Math155, Phys150A or 210
  Heating, Ventilating, and Air Conditioning  - (fa)

- **Tech 417** p:T416, T404, M155, P150A or 210
  Design for Energy Efficiency & Green Materials  - (fa)

### Requirements outside Technology

- **9 semester hours**

- **Envs 304**
  Environmental Law, Policy, and Economics  - (3)

- **Geog 256**
  Maps and Mapping  - (3)

- **Geog 359** p: Geog 256
  Geographic Information Systems  - (3)

### Elective Requirement (3 hrs)

- **COURSE CAN BE FROM ANY DEPT**

### Technology Electives

Choose 3 courses (9 hrs required)

- **Tech 409** p: Junior Standing
  Internship  - (fa)

- **Tech 416** p: Math155, Phys150A or 210
  Manufacturing App (fa)

- **Tech 418** p:Math155, Chem 110 or 210
  Bio-Based Fuels and Alternative Energy Apps  - (fa)

- **Tech 419** p:Math155
  Energy Auditing  - (fa)

- **Tech 425** p:Tech175, Tech215, Tech295 or CSCI240
  Microcontroller Interface and Apps  - (fa)

- **Tech 437** p: Math155, Chem110/111
  Fundamentals of Industrial Hygiene  - (fa)

- **Tech 438** p:Math155
  Safety Management Technology  - (fa)

- **Tech 440** p: Math155, Phys150A
  Monitoring & Evaluation to  - (fa)

- **Tech 441** p: Tech215, M155, Phys150A
  Integrated Circuit Devices  - (fa)

- **Tech 442** p: Consent of Dept
  Special Topics in Engineering Technology  - (fa)

### General Education Courses - See Tech Department website or Undergraduate Catalog

**Humanities and the arts - 3 courses**

one course must be from VPA

- (VPA) ()

**Interdisciplinary Studies - 1 course**

- (3)

**Social Science - 2 courses**

- (3)

- (3)

6/11/2012