



# CAREER & TECHNICAL EDUCATION

TECHNOLOGY EDUCATION  
EMPHASIS

SCHOOL OF TECHNOLOGY  
AT EASTERN ILLINOIS UNIVERSITY

CAREER AND TECHNICAL EDUCATION PREPARES STUDENTS TO TEACH HIGH SCHOOL BUSINESS, FAMILY AND CONSUMER SCIENCES, OR TECHNOLOGY.

This major requires that students follow and meet the requirements for Admission, Retention and Graduation from Teacher Licensure programs as described in the "Teacher Licensure Programs" section of this catalog and as explained at the University Admission to Teacher Education Meeting which all students must attend. Students must gain University Approval to take Teacher Education Courses no later than the end of their first semester of their junior year in order to use this suggested plan. Additional information on Admission, Retention and Graduation for Teacher Licensure programs can be found on the College of Education & Professional Studies website at [www.eiu.edu/ceps/](http://www.eiu.edu/ceps/) taught.

All students must pass the Illinois Licensure Test of Academic Proficiency or document a composite score of 22 or higher, with combined English/Writing score of 19/Writing Subtest score of 16, on the ACT plus Writing for selection into teacher education and should complete this requirement no later than their sophomore year.

Students must receive a "C" or better in all courses used toward graduation, regardless of where they are taken. This includes general education, professional education, major and minor courses, all university required courses, and electives. Students must maintain a minimum cumulative and major GPA of 2.65 in order to continue in the program.

For students also wanting to be eligible to teach in a middle school, additional Middle Level Education courses are required.

Students must complete the professional education coursework following the Regular Secondary Education Professional Education Course Sequence (RSEP).

## TECHNOLOGY EDUCATION EMPHASIS

### GENERAL EDUCATION: 40 HRS

LANGUAGE - 9 HOURS

- **CMN 1310G** Introduction to Speech Communication
- **ENG 1001G** College Composition I: Critical Reading & Source-Based Writing
- **ENG 1002G** College Composition II: Argument & Critical Inquiry

HUMANITIES & FINE ARTS - 9 HOURS

SOCIAL & BEHAVIORAL SCIENCES - 9 HOURS

- **U.S. Constitution**
- **EDF 2555G** Education in a Diverse Society: The Multilingual/Multicultural Classroom.

SCIENTIFIC AWARENESS - 7 HOURS

- **Biological and Physical.** One lab course required.

MATHEMATICS - 3 HOURS

- **3 semester hours of college math required.**

SENIOR SEMINAR - 3 HOURS

### FOREIGN LANGUAGE: 0-8 HRS

- **If needed or elective**

### REGULAR SECONDARY EDUCATION PROGRAM (RSEP): 39 HRS

- **CTE 2000** Inquiry Into Teaching Career and Technical Education  
(or *SED 2000 equivalent plus CTE 2001*)
- **CTE 3100** Instructional Technology in Career and Technical Education
- **CTE 3400** Methods of Teaching Career and Technical Education<sup>1</sup>
- **CTE 3403** Seminar in Teaching Technology<sup>1</sup>
- **EDF 2555G** Education in a Diverse Society: The Multilingual/Multicultural Classroom (counted in General Education and used to satisfy Social and Behavioral Sciences and Diversity requirement)
- **EDF 4550** Critical Focus on Education<sup>1</sup>  
(*EDF 4450 may be substituted for EDF 4550 if taken prior to Fall 2013*)
- **EDP 2330** Educational Psychology: Foundations for Teachers<sup>1</sup>  
(*EDP 3331 may be substituted for EDP 2330 if taken prior to Fall 2016*)
- **SED 3330** Instructional Tasks in the Secondary School<sup>1</sup>
- **SED 4330** Literacy, Assessment, and Differentiation in Secondary Schools
- **SPE 3500** The Education of Individuals with Exceptional Learning Needs: Access to the General Curriculum<sup>1</sup>
- **STG 4000** Multicultural/Disabilities Practicum
- **STG 4001** Student Teaching

# TECHNOLOGY EDUCATION EMPHASIS @ EIU

## TECHNOLOGY EDUCATION: 33 HRS

### REQUIRED CORE COURSES - 24 HOURS

- **AET 1263** Materials Technology
- **AET 1363** Introduction to Graphics Technology
- **AET 1413** Technological Systems
- **AET 2043** Computer-Aided Engineering Drawing
- **AET 2253** Construction Equipment and Materials
- **AET 2324** Electronic Control Systems
- **AET 3103** Robots and Control Systems
- **AET 3113** Manufacturing Machine Processes

## CONCENTRATIONS:

- First Concentration: 9 semester hours
- Second Concentration or electives: 0-14 semester hours

### APPROVED ELECTIVES FOR TECHNOLOGY EDUCATION CONCENTRATIONS:

#### ***Automation & Control:***

- **AET 2523** Routing and Switching Fundamentals
- **AET 3073** Programmable Logic Controllers
- **AET 3153** Advanced Routing and Switching
- **AET 4183** Microcomputer Interfacing and Data Acquisition
- **AET 4274** Automation and Control Systems
- **AET 4833** Automatic Identification and Data Capture

#### ***Construction:***

- **AET 3213** Surveying and Site Planning
- **AET 3223** Architectural Drafting and Blueprint Reading
- **AET 3603** Mechanical Systems in Residential and Commercial Buildings
- **AET 4223** Construction Cost Estimating
- **AET 4243** Construction Project Management

#### ***Graphic Communications:***

- **AET 2123** Introduction to Digital Photography
- **AET 3063** 3-D Modeling
- **AET 3343** Cross Media Technologies
- **AET 4123** Advanced Digital Photography
- **AET 4353** Multimedia Production Management
- **AET 4813** Advanced Cross Media Technologies
- **AET 4863** Packaging Design Technologies
- **AET 4953** Color Management Technologies

#### ***Manufacturing:***

- **AET 3143** Manufacturing Fabrication Processes
- **AET 3203** Computer Numerical Control Programming
- **AET 4002** Materials Testing
- **AET 4753** Lean Manufacturing
- **AET 4763** Rapid Prototyping Technology
- **AET 4853** Polymers and Composites

<sup>1</sup> Requires University Approval to Take Teacher Education Courses.

Calculation of the major GPA is based on courses taken at EIU with the prefixes of CTE and AET.

## TOTAL MAJOR HOURS: 120-124 HRS

### SCHOOL OF TECHNOLOGY

KLEHM HALL 1014

600 LINCOLN AVE CHARLESTON, IL 61920

217-581-3226

FAX: 217-581-6607

EIU\_SOT@EIU.EDU

