



Department of Applied Engineering and Technology
School of Applied Sciences and Technology
College of Business & Technology (2018-19)

Career & Technical Education B.S. Degree

Occupational Training & Development Concentration

Career & Technical Education at EKU

The Department of Applied Engineering and Technology at Eastern Kentucky University offers a four-year occupational training and development concentration leading to the Bachelor of Science Degree. This concentration prepares graduates to become trainers of employees in an occupational setting.

EKU has had teacher preparation programs for Career and Technical Education since the Department's historical beginning. Programs available for those who plan to teach and those who are presently teaching many technical subject areas include Technical Education, Engineering/Technology Education and Occupational Training and Development. An Agriculture Education program is also available. The technical teacher education programs are accredited by the Council for the Accreditation of Educator Preparation (CAEP). EKU has one of the largest and most comprehensive technical education programs in the State.

Career & Technical Education Careers

A well-planned program for teacher preparation and a closely-articulated pathway for those presently teaching in the State's area technology centers, middle schools, high schools and Kentucky Community and Technical College (KCTCS) schools is available at EKU.

The Bachelor of Science Degree in Career and Technical Education prepares teachers for positions in technical education specialty areas such as construction, manufacturing, transportation and information technologies. The Engineering/Technology Education concentration is a unique, high-demand program that prepares teachers for middle schools and high schools -- an enjoyable teaching area that has many employment opportunities in Kentucky and other nearby states. Most Central and Southeastern Kentucky school systems employ technical teachers who are Department alumni.

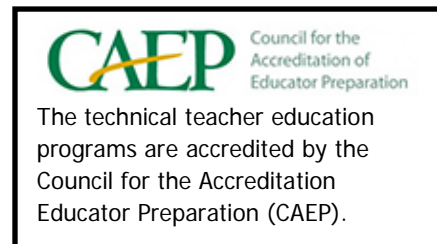
EKU also has a Certification Program and Associate of Science Degree in Career and Technical Education that is offered in conjunction with the Kentucky Office of Career and Technical Education. These programs are for teachers of many technical programs, including electronics, health science, carpentry, welding, computer technology, industrial maintenance, and other high-tech areas, primarily in Central and Southeastern Kentucky.

Department Facilities, Faculty & Student Organizations

The Department is located in the Ralph W. Whalin Technology Complex which includes approximately 100,000 square feet of classroom and laboratory space. Laboratories housed in the Whalin Complex include aviation, electronics, computer aided drafting (CAD), graphic communications, quality assurance, industrial materials, metallic materials, construction fabrication, hydraulics/pneumatics and computer applications. The facilities are located in the central portion of campus, close to the library, classroom buildings and dormitories. Faculty in the department have diversified academic and experience backgrounds. They are experienced, enthusiastic and devoted to providing students the skills necessary to succeed.

For More Information

Department of Applied Engineering and Technology
307 Whalin Complex
Eastern Kentucky University
521 Lancaster Avenue
Richmond, KY 40475-3102
859-622-3232
<http://technology.eku.edu>





**Suggested Curriculum Guide for Career and Technical Education (Teaching),
 Occupational Training and Development Concentration**

Freshman (1st Semester) 16 hrs

- BTO 100** Orientation (1 hr)
- E-1A ENG 101 or 105** English Composition
- TEC 161** Computer Applications in Tech.
- E-1C** Oral Communication
- E-4** Natural Sciences (suggest CHE 101)
- Elective** (3 hrs)

Sophomore (1st Semester) 15 hrs

- CTE 164** Orientation to Career & Tech Ed.
- E-3B** Humanities
- E-5B** Social & Behavioral Science
- Technical Electives*** (6 hrs)

Junior (1st Semester) 16 hrs

- CTE 363** Evaluation in Career & Tech Ed.
- Technical Electives*** (9 hrs)
- E-6** Diversity of Perspectives & Experiences

Senior (1st Semester) 15 hrs

- CTE 361** Course Materials in CTE
- EDF 320** Human Development & Learning
- TEC 349** Co-op Study or Tech. Electives (6 hrs)
- Elective** (4 hrs)

Freshman (2nd Semester) 18 hrs

- E-1B ENG 102** English Composition
- E-2 MAT 114** College Algebra
- E-3A** Arts
- E-5A** Historical Perspective
- Technical Electives*** (6 hrs)

Sophomore (2nd Semester) 12 hrs

- CTE 261** Foundations of CTE
- E-4** Natural Sciences
- Technical Electives*** (6 hrs)

Junior (2nd Semester) 15 hrs

- SED 104** Intro. to Special Education
- TEC 349** Co-op Study or Tech. Electives* (3 hrs)
- E-6** Diversity of Perspectives & Experiences
- Technical Electives*** (6 hrs)
- BTS 300** Professional Skills Seminar (0 credit)

Senior (2nd Semester) 13 hrs

- CTE 364** Methods in CTE
- CTE 463*** Practicum in CTE (4 hrs)
- Technical Electives*** (6 hrs)
- BTS 400** College to Careers Seminar (0 credit)

*Laboratory courses in the area or related to the area the individual is planning to teach. The selection must be approved by the advisor and department chair. Eighteen semester hours maximum may be allowed by proficiency examination (CTE 204, 205, 206, 304, 305, 306) for these electives. Nine semester hours maximum may be allowed for supervised work experience (TEC 349). Forty-five (45) technical hours are required.

UNIVERSITY GRADUATION REQUIREMENTS

General Education	36 hrs
Orientation Course (waived for transfers with 30+ hrs.)	1 hr
Wellness	3 hrs
Total Hours University Graduation Requirements	40 hrs
College Requirements:	
BTS 300 and BTS 400 (CR only, no hrs)	0 hrs
Major Requirements	45 hrs
Technical courses chosen in consultation with advisor. *	
Professional Education Core	28 hrs
CTE 164, 261, 361, 363, 364, 463(4); EDF 320; SED 104 and TEC 161.	
Free Electives	3-10 hrs
Total Curriculum Requirements	120 hrs