



# Career & Technical Education

## A.A.S. Degree

### Career & Technical Education at EKU

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

The Certification Program and Associate of Science Degree in Career and Technical Education offered in conjunction with the Kentucky Office of Career and Technical Education 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 and 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) A.A.S.**

**Freshman (1<sup>st</sup> Semester) 16 hrs**

- BTO 100** Orientation (1 hr)
- E-1A ENG 101** Reading, Writing and Rhetoric
- E-2 MAT 112** College Algebra or higher
- Element 5**
- Technical Electives<sup>2</sup>** (6 hrs)

**Sophomore (1<sup>st</sup> Semester) 18 hrs**

- CTE 361** Course Materials in Technical Ed.
- Technical Electives<sup>2</sup>** (9 hrs)
- Element 3**
- Gen. Ed. Elective** (3 hrs)

**Freshman (2<sup>nd</sup> Semester) 17 hrs**

- TEC 161** Computer Applications in Tech.
- CTE 261** Foundations of Career & Tech Ed
- Technical Electives<sup>2</sup>** (6 hrs)
- E1B ENG 102** Research, Writing and Rhetoric
- Gen. Ed. Elective** (2 hrs)

**Sophomore (2<sup>nd</sup> Semester) 15 hrs**

- CTE 364** Methods in Career & Technical Ed
- CTE 463** Practicum: Career & Technical Ed<sup>3</sup> (12 hrs)

<sup>1</sup> This degree is primarily an in-service degree program for those who are already teaching in a career and technical education program.

<sup>2</sup> Laboratory course in the area, or related to the area, in which the individual is preparing to teach. The selection must be approved by the advisor and the department chair. Nine semester hours maximum may be allowed by proficiency examination (CTE 204, 205 and 206) for the Technical Electives. Nine semester hours maximum may be allowed for supervised work experience (TEC 349).

<sup>3</sup> In-service teachers should substitute CTE 164, 363, 463 (4), and EDF 320 or SED 104 for CTE 463 (12).

**UNIVERSITY GRADUATION REQUIREMENTS**

Enrollment in this program is restricted to in-service technical teachers and graduates of a Kentucky Career and Technical School post-secondary program.

<b>University Requirement</b> .....	1 hr
BTO 100.	
<b>General Education Requirements</b> .....	20 hrs
Six hours of English composition, three hours of general mathematics (MAT 112 or higher-level mathematics), three hours of general education humanities, three hours of general education social science, and five hours of general education electives. Refer to Section Five of the <i>Undergraduate Catalog</i> for details on General Education and University requirements.	
<b>Supporting Course Requirements</b> .....	21 hrs
CTE 261, 361, 364, 463 <sup>3</sup> (12).	
<b>Major Requirements</b> .....	24 hrs
TEC 161 and 21 hours chosen from the technical area, or related to the area, in which the individual proposes to teach, as approved by the advisor. Graduates of this program must have a minimum of 4,000 hours of supervised work experience or four years of occupational experience in the area to be taught. Nine hours maximum may be allowed by proficiency examination (CTE 204, 205, and 206). Nine hours may be supervised work experience (TEC 349).	
<b>Total Curriculum Requirements</b> .....	<b>66 hrs</b>
<i>Students must take a professional vocational technical education assessment examination and the Teacher Occupational Competency Test (TOCT) before graduation.</i>	