Career & Technical Education
B.S. Degree
Technical Education Concentration

Career & Technical Education at EKU
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 Kentuck 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), Technical Education Concentration**

**Freshman (1st Semester) 16 hrs**
- BTO 100 Orientation (1 hr)
- E-1A ENG 101
- TEC 161 Computer Applications in Technology
- E-1C Oral Communication
- E-4
- Elective

**Sophomore (1st Semester) 13 hrs**
- EDF 103** Introduction to Education (1 hr)
- E-3B Humanities
- E-5B Social & Behavioral Science
- Technical Electives* (6 hrs)

**Junior (1st Semester) 15 hrs**
- CTE 363 Evaluation in Career & Tech Ed
- TEC 349* Co-op Study or Tech. Electives (9 hrs)
- E-6 Diversity of Perspectives & Experiences

**Senior (1st Semester) 15 hrs**
- CTE 361 Course Materials in CTE
- EDF 319 Human Development & Learning
- ESE 552** Teach Career/Tech Ed in Mid/Sec
- Technical Electives* (6 hrs)

**Freshman (2nd Semester) 18 hrs**
- E-1B ENG 102 English Composition
- E-2 MAT 112 College Algebra
- E-3A Arts
- E-5A Historical Perspective
- Technical Electives* (6 hrs)

**Sophomore (2nd Semester) 13 hrs**
- CTE 262** Foundations of CTE
- EDF 310** Transition to Education (1 hr)
- E-4B Physical Science
- Technical Electives* (6 hrs)

**Junior (2nd Semester) 15 hrs**
- SED 401** Exceptional Learners
- E-6 Diversity of Perspectives & Experiences
- BTS 300 Professional Skills Seminar (0 credit)
- Technical Electives* (9 hrs)

**Senior (2nd Semester) 15 hrs**
- ESE 490** Secondary Curriculum
- CTE 463** Practicum in CTE (12 hrs)
- BTS 400 College to Careers Seminar (0 credit)

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**UNIVERSITY GRADUATION REQUIREMENTS**

- **General Education** .......................................................... 36 hrs
- **Orientation Course (waived for transfers with 30+ hrs.)** .................... 1 hr
- **Total Hours University Graduation Requirements** .......................... 37 hrs

- **College Requirements:**
  - BTS 300 and BTS 400 (CR only, no hrs) ....................................... 0 hrs

- **Major Requirements** .......................................................... 45 hrs
  - Forty-five semester hours of technical courses to be chosen in consultation with the advisor. A maximum of 18 semester hours (in CTE 204, 205, 206, 304, 305, 306) may be allowed by proficiency examination (TEC 349).
  - Forty-five (45) technical hours are required.

- **Professional Education Core** ................................................ 28-38 hrs
  - Pre-service: CTE 262, 361, 363, 463 (12) or ESE 499 (12); EDF 103(1), 310 (1), 319 or 319W; ESE 490, 552; SED 401 or 401S; and 3 hrs of Applied Learning Experience: EDF 349Q(0.5), 349R(0.5); EMS 349Q(0.5), 349R(0.5); ESE 349(1).
  - In-service: CTE 164, 261, 361, 363, 364, 463(4); EDF 320, SED 104, TEC 161.

- **Free Electives** ...................................................................... 0-10 hrs
- **Total Curriculum Requirements** .............................................. 120 hrs