



EASTERN KENTUCKY UNIVERSITY

College of Business & Technology

SUGGESTED CURRICULUM GUIDE FOR CAREER & TECHNICAL EDUCATION (TEACHING) (B.S. DEGREE) ENGINEERING/TECHNOLOGY EDUCATION OPTION – Fall 2009

The Department of Technology at Eastern Kentucky University offers a four-year Career and Technical Education Engineering/Technology Education teaching option leading to the Bachelor of Science Degree. This program prepares graduates for teaching positions in middle school and high schools. The program presented here is an area major. Graduates of these programs are certified to teach engineering/technology education in grades 5 through 12. All courses with prefix CON, EET, INT, GCM and TEC are taught within the Department of Technology.

Freshman (1st Semester) 16 hrs

BTO 100 Orientation (1 hr)
ENG 101 or 105 English Composition (IA)
TEC 161 Computer Applications in Tech.
TEC 190 Technical Graphics
Block IV A Biology
Block VI Wellness

Sophomore (1st Semester) 18 hrs

CON 201 Materials & Methods of Con. I
EET 252 Digital Electronics
TEC 303 Problem Solving & Engr Design
Block III A Arts
Block V A History
Technical Elective (3 hrs)

Junior (1st Semester) 15 hrs

CTE 361 Course Materials in CTE
CTE 363 Evaluation in Career & Tech Ed.
EET 303 LANs & PC Communications
Block VIII Depth of Knowledge
Block IV B Physical Science Lab

Senior (1st Semester) 15 hrs

ESE 552 Teach Career/Tech Ed in Mid/Sec
SED 401 Exceptional Learners
TEC 404 Principles of Engr & Technology
Block VIII Depth of Knowledge
Block V C History or SBS

Freshman (2nd Semester) 16 hrs

CON 121 Intro. to Construction
ENG 102 English Composition (IB)
EDF 103 Intro. to Education (1 hr)
INT 195 Computer Aided Drafting
MAT 107 College Algebra (II)
Block I C Oral Communication

Sophomore (2nd Semester) 18 hrs

CTE 261 Foundations of CTE
EET 302 PC Troubleshooting & Construction
Block VII Breadth of Knowledge
Block III B Humanities
Block V B Social & Behavioral Science
Technical Elective (3 hrs)

Junior (2nd Semester) 15 hrs

CON 250 Structural Systems & Materials I
EDF 319 Human Development & Learning
INT 371 Hydraulics and Pneumatics
INT 383 CAD/CAM Integration
Block VII Breadth of Knowledge
BTS 300 Business & Technology Seminar (0 credit)

Senior (2nd Semester) 15 hrs

ESE 490 Secondary Curriculum
ESE 499 Student Teaching (12 hrs)
BTS 400 Business & Technology Seminar (0 credit)

* Those desiring Pre-Engineering eligibility should take the following General Education courses: CHE 111, MAT 107, 108; PHY 131

** Complete EET 403, TEC 255 and a Computer Certification to be eligible for Instructional Computer Endorsement for teaching.