



EASTERN KENTUCKY UNIVERSITY

College of Business & Technology

SUGGESTED CURRICULUM GUIDE FOR ASSOCIATE OF APPLIED SCIENCE DEGREE COMPUTER ELECTRONICS OPTION – Fall 2009

Eastern Kentucky University's Department of Technology offers a two-year Associate of Applied Science degree program in Technology, with an option in Computer Electronics (CE). Students enrolled on a full-time basis can complete the program in four semesters. This program prepares technicians for work in a wide range of companies, industries and organizations where the installation and maintenance of computer hardware, software, networking devices or electronics equipment is required. Computer technicians also assist in monitoring, supporting and troubleshooting Local Area Networks (LANs) and Internet systems in Small Office Home Office (SOHO) environments. With the increased use of electronic and computer systems in all phases of human endeavor, the demand for computer electronic technicians with a college degree of this type has been steadily increasing.

Students who successfully complete this degree program can transfer almost all of their credits earned to the B.S. degree in Computer Electronic Networking (CEN).

Freshman (1st Semester) 16 hrs

BTO 100 Academic Orientation (1 hr)
 CSC 160 or 177 Intro to Programming or
 Intro. to Visual Basic
 EET 251* Electricity & Electronics
 EET 252* Digital Electronics
 MAT107 College Algebra or higher
 ENG 101 or 105 English Comp I or Honors English

Freshman (2nd Semester) 18 hrs

EET 253 Microprocessor Systems
 EET 257 Circuits & Electronic Devices
 EET 302 PC Troubleshooting & Construction
 TEC 161 Computer Applications in Tech
 ENG 102 English Comp II
 MAT 108 Trigonometry

Sophomore (1st Semester) 13 hrs

EET 254 Machine Lang. for Microcontrollers
 EET 303 LANs & PC Communications
 EET 351 Programmable Logic Controllers
 ECO 230 Principles of Economics
 Free Elective (1 hr)

Sophomore (2nd Semester) 14 hrs

CMS 100 Intro. to Human Communication
 EET 343 Network Switches & Routers
 EET 399 CET Capstone Project**
 PHY 131 College Physics I (5 hrs)
 Block III B Humanities
 Exit Exam Departmental (0 hrs)

* These courses should be taken during the first semester of the program.

** These courses should be taken during the last semester of the program.

ASSOCIATE OF APPLIED SCIENCE – Department of Technology Computer Electronics Option

University Requirement	1 hr
BTO 100	
General Education Requirements	18 hrs
ENG 101 and 102 or 105 (6 hours); MAT 107 or higher (3 hours); humanities (3 hours); ECO 230 (3 hours); CMS 100 (3 hours).	
Option Requirements	39-44 hrs
Computer Electronics (44 hours)	
CSC 160 or 177; EET 251, 252, 253, 254, 257, 302, 303, 343, 351, 399; MAT 108; PHY 131(5); TEC 161.	
Free Electives	1-6 hrs
Total Curriculum Requirements	64 hrs