

E-Commerce

(Academic Plan code 1101017079 subplan code 110101703)

The Information Technology Electronic Commerce option provides training in designing, A KCTCS Institution deploying, and managing an Internet e-commerce site. This option will prepare students for careers as web page designers, web masters, or web site managers of a web-based business. A capstone class in web site implementation will encompass all facets of the program of study, and will provide experience and a job portfolio.

Students entering this program will need to have basic computer skills such as would be obtained through the CIS 100 course (Introduction to Computers) or equivalent.

General Education Core courses:

- ENG 101 *Writing I*
- ENG 102 *Writing II*
- Oral Communication Course
- Social Interaction Course
- Heritage/Humanities Course
- MA 109/MT 109/MT 150 *College Algebra*
- PH 171 *Applied Physics* **OR** PHY 217 *Applied Industrial Physics* **OR** PHY 152 *Introduction to Physics II* **and** PH 162 *Introduction to Physics Laboratory II*

Technical Core courses:

- CIS 120 *Program Design and Development*
- ET 107 *Computer Applications for Technicians* **OR** CIS 130 *Microcomputer Applications*
- ET 232 *Software Maintenance* **OR** CIS 110 *Operating Systems Concepts*
- ET 234 *Hardware Maintenance*
- NIS 160 *Networking Core Technologies* **OR** IT 120 *Cisco Internetworking I*
- IT 170 *Introduction to Database Design*
- IT 132 *Web Page Development* **OR** IT 130 *Web Site Design and Production*
- Beginning Level Programming Language Course **(IT 147 will not satisfy this requirement)**

E-Commerce Option courses:

- BA 160 *Introduction to Business* **OR** B&E 100 *Introduction to Business and Economics*
- BA 282 *Principles of Marketing*
- ACC 201 *Financial Accounting I*
- CIS 151/BA 151 *Introduction to Electronic Commerce*
- IT 130 *Web Graphics and Multimedia* **OR** IT 132 *Web Page Development**
- IT 230 *Advanced Web Page Design*
- IT 235 *Data-Driven Web Design*
- IT 291 *E-Commerce Practicum: Site Implementation*

* Must take either IT 130 or IT 132 - which ever course was not taken in the technical core

Programming and Technical Elective courses selected from the following:**Beginning Level Programming Language Courses**

- CIS 143 COBOL Programming
- CIS 148 Visual Basic I
- CIS 149 Java Programming I
- CIS 155 C/C++ Programming I
- CS 115 Introduction to Computer Programming
- IT 147 SQL Programming (cannot fulfill technical core requirement)
- NIS 150 Introduction to Perl Scripting
- NIS 152 Javascript
- Other courses approved by program coordinator