

Computer Information Systems Technology

Web Development

www.dtcc.edu • Delaware Technical & Community College

This degree program is designed to provide students with a background in the computer and business applications needed to assist a company wanting to conduct business using the Internet and the World Wide Web. Students will acquire knowledge of basic programming, Web construction, interactive Web sites and Internet Scripts.

What You'll Learn...

- Microcomputer programming languages
- Fundamentals of E-Commerce
- Web page construction
- Principles of marketing
- Development of interactive Web sites
- Database design and programming
- Analysis and design of computer systems

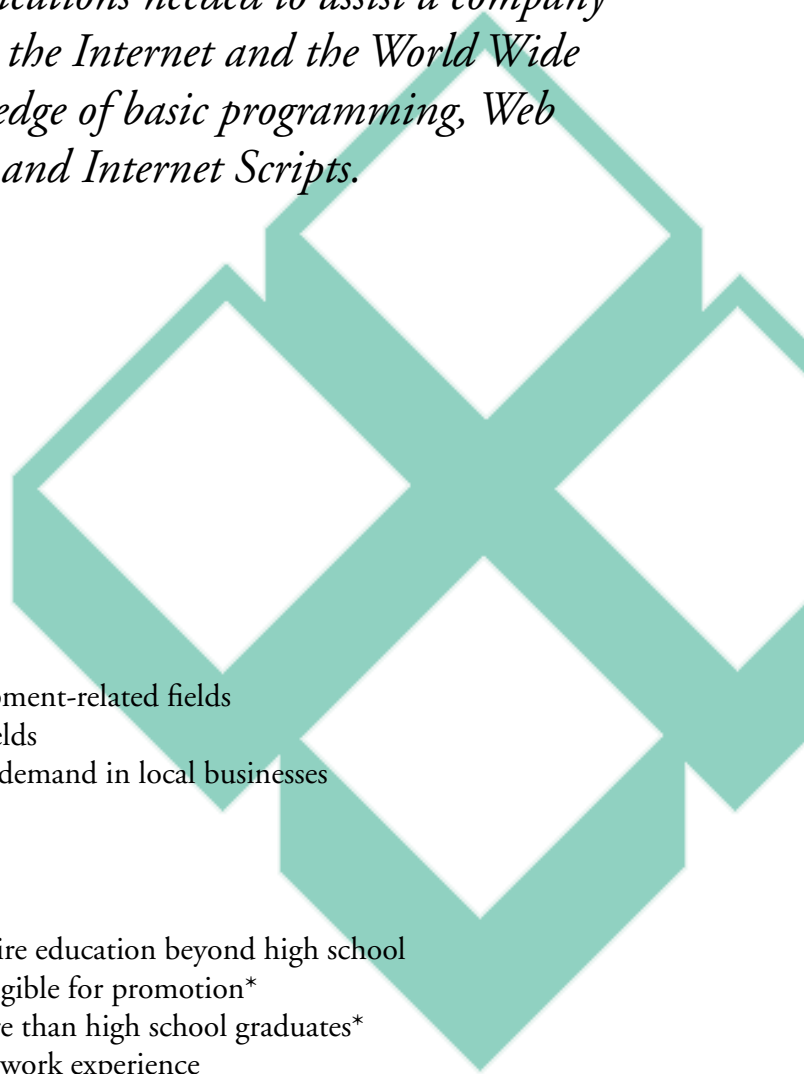
What You'll Earn...

- Employment opportunities in Web development-related fields
- Skills to excel in information technology fields
- Application programming skills that are in demand in local businesses
- Credentials required for promotion

Why You'll Succeed...

- More than half of all new jobs created require education beyond high school
- Employees with degrees tend to be more eligible for promotion*
- Associate degree holders generally earn more than high school graduates*
- College credit may be awarded for relevant work experience
- Many credits from an Associate Degree may be applied toward a Bachelor Degree

**Statistics from U.S. Department of Commerce, Bureau of Census*



Web Development

The Web Development associate degree program provides students with a program of instruction in the development, implementation and management of online electronic business operations. The program's focus is on the manner in which the Internet is transforming business. Students will be prepared to create safe and secure networks for businesses having an online presence, to become Web masters capable of building Web sites, and to become technology specialists able to maximize visits to client's sites. The curriculum consists of core computer and business courses which emphasize the Internet and its role in business today.

The program is committed to providing quality instruction that leads to successful entry into the profession. Program effectiveness is continually measured through established outcomes assessment methods. Results from these measurements are used for continuous program improvement.

You can enroll in the Web Development Technology on either a full-time or part-time basis. The length of time required to complete an Associate Degree depends on the number of courses you take each semester. Some students may need refresher courses at the basic or pre-tech level; others may receive transfer credit or credit for work experience. Delaware Tech operates on a semester system with new terms beginning in late August and mid-January, plus summer terms beginning at the end of May and in mid-June. You can start taking courses any semester or summer term; however, all technical courses may not be offered every term.

Core Courses

Courses	Credits
ECO 111 Macroeconomics.....	3
ENG 121 Composition.....	3
or	
ENG 125 Honors Composition.....	3
ENG 122 Technical Writing & Communication.....	3
or	
ENG 130 Honors Technical Writing & Communication...	3
MAT 153 College Math & Statistics	4
Select one (1) from	
COM 111 Human Communications.....	3
ECO 122 Microeconomics.....	3
POL 111 Political Science	3
PSY 100 Human Relations.....	3
PSY 121 General Psychology.....	3
SOC 111 Sociology I	3

Technical Support/Computer Courses

Courses	Credits
BUS 101 Introduction to Business.....	3
CIS 107 Intro to Computers & Application.....	3

EBZ 220 Fundamentals of E-Commerce.....	
MKT 212 Principles of Marketing	3
OAT 152 Excel Level 1	3
or	
CIS 112 Spreadsheets/Graphics Proc.....	3

Technical Courses

Courses	Credits
CIS 118 Intro to Relational Databases	4
or	
CIS 201 Microdatabase Programming.....	4
CIS 120 Introduction to Programming	4
CIS 160 Internet/Web Construction	3
CIS 170 Internet/Web Multimedia	3
CIS 180 Internet/Script Programming.....	4
or	
CIS 207 Visual Programming.....	4
CIS 194 Networking Technologies	3
or	
CIS 195 Network Administration	3
CIS 238 Database Design & Programming.....	4
CIS 240 Systems Analysis & Design.....	4
CIS 260 Internet/Web Commerce.....	4
CIS 282 Topics in Programming Language.....	4

Getting Started

1. Obtain an application by calling (302) 857-1020. Complete and return to the Terry Campus with a \$10 application fee.
2. Take the College Placement Test (CPT) unless college-level math, reading, and English courses have been completed with a "C" grade or better. The CPT will determine appropriate placement.
3. Request that high school and/or college transcripts be sent to the Admissions Office.
4. Meet with a Delaware Tech counselor to discuss CPT results.
5. Meet with advisor to plan schedule.
6. Apply and register early for the best selection of courses.

Standards of Excellence

❖ Students benefit from real world assignments in the field as part of this highly respected program.