

Computer Information Systems Technology

Computer Information Systems

www.dtcc.edu • Delaware Technical & Community College

The Computer Information Systems Technology, CIS Option, prepares students to work successfully in business computer applications, operations and programming. The student will study many computer-related subjects. Students will find this program valuable if they want to use computer application software, operate different computers, network computers, and write computer programs for business applications in various operating systems. Students may enter the A.A.S. degree program directly or may elect to complete a certificate program first.

What You'll Learn...

- To use standard computer application software
- To work in DOS, Windows, LAN, and multi-user environments
- To operate a personal (IBM) computer and a mid-size computer (IBM AS/400)
- To install and do maintenance on computer networks
- To analyze and solve problems related to computer business applications
- To write business application programs on different operating systems

What You'll Earn...

- Employment opportunities in many computer-related fields in government agencies, small and large businesses, specialized computer companies, nonprofit agencies, and private consulting
- A competitive salary with good opportunities for advancement
- The credentials to advance to a position as a system analyst, computer specialist or consultant
- Strong status in the job market - Computer Information Systems Technology graduates are in demand

Why You'll Succeed...

- More than half of all jobs require education beyond high school
- Employees with degrees tend to have a better chance for promotion*
- Associate degree holders generally earn more than high school graduates*
- College credit or advanced placement may be given for relevant work experience
- Many credits from an Associate Degree can be applied toward a Bachelor Degree
- Direct transfer to a Bachelor Degree program at Wilmington College

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

Computer Information Systems

You can enroll in the Computer Information Systems 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. This technology also offers diploma and certificate options in: COBOL Programming and RPG Programming.

Required Technical Courses

Introduction to Computers & Applications introduces microcomputer concepts and application software packages in word processing, database, electronic spreadsheets, presentation graphics, and Internet access.

Windows Based Operating Systems covers the operations of the Windows operating system for home users.

Spreadsheet/Graphics Processing prepares the student to work with advanced spreadsheet applications encountered in business and accounting fields.

Introduction to Programming lays the foundation for programming algorithms, flowcharting, documentation, testing, and debugging.

Microdatabase Programming uses Windows DBMS to create and maintain databases.

Visual Programming introduces the student to Windows programming using Visual Basic.

Related Courses

Macroeconomics

Accounting I & II

Composition

Technical Writing & Communication

COBOL and Advanced COBOL is the choice for main-frame business programming language. Topics include syntax, programming algorithms, sequential, indexed file, and database processing and maintenance.

RPG and Advanced RPG is the language of choice for the IBM AS/400 computers. Topics include RPG cycle and logic, coding forms, and files, subfiles and database processing.

Systems Analysis & Design presents computer modeling concepts and design technology used in the analysis of business problems and the development of alternate solutions involving computers.

College Math and Statistics

Business Statistics

Social Science Elective

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 and is scheduled by the Admissions Office.
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

- ❖ This career allows for specialization in many areas related to computer programming and has a 90% placement rate
- ❖ Work on the CIS department's latest IBM eServer which is used extensively in eCommerce