

Computer Software Development

For more information, please contact the Center for Innovative Technologies at (513) 569-1743.

The work done by Computer Software Development graduates plays a major role in our daily lives. Computer programming and database design and access provide users of computers with information resources; access to the internet for individual, public, and commercial uses; and control of systems used in varied businesses and industrial applications.

Computer Software Development at Cincinnati State includes four associate's degree programs, and a certificate program.

- **Business Programming and Systems Analysis (BPA)** focuses on applications of software development and business/systems analysis. Students gain technical skills in analysis, design, development, and deployment of computer-based information systems, including mobile systems.
- **Computer Programming and Database Management (CPDM)** prepares students to design, code, and implement various types of web and database applications using state-of-the-art development tools. All courses in this program can be completed online.
- **Health Information Technology (HIT)** is a collaborative effort of the Center for Innovative Technologies and the Health and Public Safety Division at Cincinnati State. Graduates are prepared for important roles in a number of healthcare settings, where their responsibilities can include implementing and managing systems for electronic medical records, designing and developing tools and systems to support clinical decision making and research, or developing standards for the exchange of medical data. The program offers two majors:
 - **Healthcare Informatics (HITHI)** - Students gain skills needed to assist organizations with meaningful and efficient use of healthcare data by incorporating information technologies and information management techniques.
 - **Healthcare Programming and Systems Analysis (HITPA)** - students gain knowledge and skills required to fulfill essential information technology roles in healthcare organizations, as software applications developers or analysts.
- **Software Engineering Technology (SET)** provides extensive training in computer programming as well as knowledge of electronics needed to control systems with computer software and interfaces.

All of the Computer Software Development degree programs prepare graduates to successfully enter the workforce and advance professionally in technical and management careers, or to continue their education in a bachelor's degree program.

The **Computer Software Development Certificate (CSDC)** is for experienced programmers looking to update or retool their skills, or for individuals preparing to enter the Information Technology field who already have a bachelor's degree in a different discipline.

The Certificate courses focus on software development skills needed in industry today, and all courses are available through online learning.