

Computer Software Development

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.

The Computer Software Development Department at Cincinnati State offers four associate's degree programs: Business Programming and Systems Analysis (BPA), Computer Programming and Database Management (CPDM), Health Information Technology (HIT), and Software Engineering Technology (SET).

- **Business Programming and Systems Analysis** 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** prepares students to design, code, and implement various types of web and database applications using state-of-the-art development tools. This program can be completed via distance learning.
- **Health Information Technology** 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 majors in Healthcare Informatics (HITHI) and Healthcare Programming and Systems Analysis (HITPA).
- **Software Engineering Technology** 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 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.