Computer Information Systems

The field of computer information systems is an exciting and rapidly changing area that includes programming, database applications, networking and web development.

Our graduates have found employment as programmers, network administrators, geographic information system developers and web developers. Reflective of the diverse and fluid nature of this field, our department offers degrees in three distinct areas of study, described below.

Employment Opportunities
The associate-degree program offered by Youngstown State University will prepare you for an entry-level position as a computer programmer, network support specialist or web developer. This work includes everything from writing code for program modules to “debugging” programs and designing web site applications.

The bachelor’s degree program will prepare you to function in industry as a programmer or as a systems analyst, network administrator or database analyst or web developer.

Degree Options
The Department of Computer Science and Information Systems at Youngstown State University offers coursework toward a major in two degrees: the Associate in Applied Science (A.A.S.) or the Bachelor of Science in Applied Science (B.S.A.S.) in computer information systems.

The computer information systems program offers you the flexibility of earning either a two-year A.A.S. degree or a four-year B.S.A.S. degree through the “two-plus-two” program. After completing the associate degree, you might look for employment in industry or pursue the B.S.A.S. through an additional two years of study.

Faculty
The Department of Computer Science and Information Systems is staffed by dedicated teaching professionals, approximately half of whom hold the doctoral degree. The faculty are well qualified to help students at every level of their University study. Areas of faculty interest include algorithms, communications, database systems, graphics, operating systems, parallel architectures, programming languages and user interfaces.

YSU maintains a faculty-student ratio of 1:20, among the best of state-affiliated universities in Ohio.

Accreditation
Youngstown State University is accredited by the Higher Learning Commission and a member of the North Central Association.

Facilities
The Department of Computer Science and Information Systems is located in Meshel Hall, which houses classrooms, computer laboratories, offices and the University Computer Center.

Special facilities available at YSU include access to supercomputing facilities. Meshel Hall computing labs include over 120 networked personal computers. The department has a network of UNIX-based machines, a high-end multimedia lab, a robotics lab, two networking labs and two UNIX servers for faculty and students. Students with their own internet access may connect to most of the computer systems.

Outside the Classroom
Student organizations, offering a wide range of professional and social activities, include student chapters of the ACM (Association for Computing Machinery), ASM (Association of

For more information about this program, go to www.ysu.edu, click on Colleges, then College of STEM

Contact the Undergraduate Admissions Office at:
Telephone: 877-468-6978 • 330-941-2000 • Video Phone: 866-757-1353 • Fax: 330-941-3674 • E-mail: enroll@ysu.edu

www.ysu.edu
System Managers) and Upsilon Pi Epsilon (computer honorary society).

**Curriculum Overview**
For the associate degree program in computer information systems:

*Required courses*
- Survey of Computer Science and Information Systems
- Programming and Problem-Solving
- Development of Databases
- Networking Concepts and Administration
- Business Programming Project

For the bachelor's degree program in computer information systems:

*Required courses*
- Survey of Computer Science and Information Systems
- Programming and Problem-Solving
- Development of Databases
- Networking Concepts and Administration
- Business Programming Project
- Business System Analysis and Design