



IT PROFESSIONAL

THE PROGRAM

The Information Technology—IT Professional program is designed to prepare two types of students: inexperienced students seeking entry-level positions, and experienced students seeking either IT management or project management positions, where breadth of technical knowledge is required.

The program will give the student a background in Windows-based applications (word processing, spreadsheet applications, presentations, database management), web design, programming, and networking. It additionally provides the broad background in computers necessary for business, industry, and government job environments.

A certificate option is available as an alternative to the associate degree. Certificate programs offer a high degree of specialization in a short program of instruction and may later be applied toward an associate degree.

EMPLOYMENT OUTLOOK

With an associate degree in IT Professional, you will be qualified for careers including IT specialist, computer support specialist and help desk analyst. Median salary in Michigan for these careers is \$45,830, with 14 percent growth in openings expected through 2024.

At a major university, you're basically just a number sitting in a seat. At Macomb, you actually get to know your instructor and your instructor gets to know you.

—David Czebieniak,
Sales Supervisor,
MDBRP

GAINFUL EMPLOYMENT DISCLOSURE

For information about program cost, on-time completion rates, typical student debt, and other important information, visit: Information Technology-IT Professional, Certificate: <http://www.macomb.edu/ge/ITIPCT/>

FOR MORE INFORMATION

Call 866.622.6621
visit www.macomb.edu
or contact an instructor:

Yi Li Zhuang
zhuangy@macomb.edu





**Macomb
Community College**

Education • Enrichment • Economic Development

Discover. Connect. *Advance.*SM



MACOMB

TEST THE WATERS

At Macomb, you can “test the waters,” exploring the features and benefits of each IT specialty for about **one-quarter the cost of a publicly funded Michigan four-year university**, before making your choice and earning your Associate of Applied Science degree.

2 + 2 = \$1,000,000

Although skill-specific certificates are available in all of Macomb’s IT specialties, a bachelor’s degree is the requirement for the most desirable IT jobs. And U.S. Census Bureau statistics show that a student with a four-year degree will earn one-million dollars more over their lifetime!

PLANNING TO TRANSFER TO A FOUR-YEAR COLLEGE OR UNIVERSITY?

Macomb’s IT program provides a direct path to a bachelor’s degree at select colleges and universities, and up to 90 credits earned at Macomb may be transferable. Students intending to transfer to another college or university should talk to a Macomb counselor or academic advisor before registering for classes.

Center Campus: 586.286.2228

South Campus: 586.445.7211

Email: answer@macomb.edu

WORKING IN A VIRTUAL WORLD

The Information Technology Department at Macomb Community College has seven areas of study to launch your career and shape the future of technology.

COMPUTER APPLICATIONS

IT Professional: gain knowledge in Windows-based applications, Web design, programming, and networking

COMPUTER NETWORKING

Networking Specialist—Cisco Network Professional: focuses on the Cisco Networking Academy, wired and wireless networking technologies, network security, and troubleshooting techniques

Networking Specialist—Microsoft Enterprise Administrator: handle day-to-day management of the server operating system, file structure, and directory services

Networking Specialist—Network Security Professional: tools and techniques used to safeguard the communications networks of an organization from unauthorized access

PROGRAMMING

Programming: creation of custom software using languages such as C++, C#, Java, and the .NET Framework

Programming for Electronic Games: creation of computer games for multiple potential audiences, whose target uses include entertainment, training, and scenario planning (simulation)

WEB AND INTERNET TECHNOLOGIES

Website Programming: creation of interactive websites utilizing programming tools such as JavaScript, ASP.NET, and PHP—this specialty supports the creation of e-commerce websites

**For general information about
Macomb Community College:**

www.macomb.edu

866.Macomb1 (866.622.6621)

answer@macomb.edu