



NETWORKING SPECIALIST— NETWORK SECURITY PROFESSIONAL

THE PROGRAM

This Network Security Professional (Cybersecurity) Program is for students who want to focus their career on security and information assurance as a systems administrator. This position is typically responsible for overseeing the measures an organization takes to protect the confidentiality, integrity and availability of data. Information assurance includes computer security topics, and extends the focus to include security risk management, computer forensics, ethical hacking, security policies and analysis.

Students specializing in the Security area of study will gain skills in computer networking, website programming and operating systems, along with courses specific to network security.

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.

I had the desirable skill set, and Macomb definitely provided the foundation for me to get the very good job I have now, while building on it for my future success.

—George Westerman,
SQL Developer

EMPLOYMENT OUTLOOK

With an associate degree in Networking Specialist—Network Security Professional, you will be qualified for careers that include network support specialist. Median salary in Michigan for this career is \$55,110, with 11 percent growth in openings expected through 2024.

FOR MORE INFORMATION

Call 866.622.6621
visit www.macomb.edu
or contact Professor
Keith Nabozny
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**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—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

Cloud Computing: develop, deploy and maintain cloud computing, storage, networking and management systems that provide users immediate access to data and applications from any device connected to the internet

For general information about
Macomb Community College:

www.macomb.edu
866.Macomb1 (866.622.6621)
answer@macomb.edu