



# WEBSITE PROGRAMMING

## THE PROGRAM

The Website Programming course of study offers degree and certificate options aimed at preparing students for positions that require knowledge of website design, website architecture, SEO (search engine optimization), development, deployment, maintenance, and support for the World Wide Web, Corporate Internet, Intranet, and/or Extranet. Students completing the program will gain skills necessary to understand and implement HTML, CSS, SEO, JavaScript, and other Web programming and coding techniques.

Graduates will have the fundamental skills necessary to serve the industry in positions ranging from Web Master, Web Developer, and Web Designer. Students who complete the sequence of classes will have sufficient training to sit for one or more CIW (Certified Internet Web Professional) Certifications. Additional studying may be necessary depending on the type of certification sought.

All Web courses are offered in an online or hybrid format.\* In addition to the basic equipment and software required for traditional online classes, participants may be required to install curriculum-specific software such as PHP, MySQL, Visual Studio.Net, and Dreamweaver.

\*Because this program is geared toward certification, the majority of the courses must be taken online and require curriculum-specific software. Consult the current college catalog for more details.

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 Website Programming, you will be qualified for careers including web designer and web developer. Median salary in Michigan for these careers is \$59,500, with a 25 percent growth in openings expected through 2024.

### GAINFUL EMPLOYMENT DISCLOSURE

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

*It's much easier to get to know your professors here, not only because of the smaller class size but because they genuinely want to see you succeed. At the other schools I've attended, I never even spoke to my professors.*

—Stephen Cavaliere,  
Web Developer  
Intern, CareTech  
Solutions

## FOR MORE INFORMATION

Call 866.622.6621  
visit [www.macomb.edu](http://www.macomb.edu)  
or contact an instructor:

Jacqueline Wanner  
[wannerj@macomb.edu](mailto:wannerj@macomb.edu)



**Macomb  
Community College**

Education • Enrichment • Economic Development

Discover. Connect. *Advance.*<sup>SM</sup>



**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](mailto: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](http://www.macomb.edu)

866.Macomb1 (866.622.6621)

[answer@macomb.edu](mailto:answer@macomb.edu)