

# INFORMATION TECHNOLOGY - WEB DEVELOPMENT AND DESIGN SPECIALIST

**Program Number:** 10-152-2

Associate of Applied Science Degree

**Campus:** Fond du Lac, West Bend, Online

This program is eligible for financial aid (<http://www.morainepark.edu/financial-aid/>)

Learn to create and maintain advanced websites and joining the growing field of web development and design through Moraine Park Technical College's Information Technology - Web Development and Design Specialist program.

## About the Program

The Information Technology – Web Development and Design Specialist program prepares students to build and maintain professional, creative and responsive websites. You'll enter a field with faster-than-average job growth and great salaries.

## What You'll Learn

Students in the Information Technology – Web Development and Design Specialist program master coding and programming technologies. A focus is placed on cascading style sheets (CSS), HTML, JavaScript, PHP, jQuery, MySQL and XML. Students learn how to use design software such as the Adobe Creative Suite, and are familiar with development software and techniques including FTP, Content Management Systems and major emerging open source tools. Graduates of the program are prepared to develop software applications and systems and integrate database technologies.

## Earn Two IT Degrees at Once!

Students can earn both the Information Technology - Web Development and Design Specialist and Information Technology - Mobile Applications Developer Associate of Applied Science degrees in only five terms. Students should refer to the Dual Degree Information Technology - Web Development and Design Specialist and Information Technology - Mobile Applications Developer program guide.

Not sure if you're ready to pursue an associate degree? Start with the one-year technical diploma in web design and development (<https://catalog.morainepark.edu/program-information/programs/information-technology-web-designer-developer/>).

## Transfer Opportunities

Your academic journey can continue at a four-year college or university. Earn your associate degree at Moraine Park and then apply those credits toward a bachelor's degree. Starting at MPTC makes completing a bachelor's degree **affordable**, **accessible** and **convenient**. You can go anywhere as MPTC has transfer agreements with colleges and universities both in Wisconsin and throughout the country.

Visit the Transfer to a Four-Year College (<https://www.morainepark.edu/transfer-to-a-four-year-college/>) page for more information on credit transfer agreements between Moraine Park and four-year colleges, both public and private.

## Admission Process

Standard Admissions (<http://www.morainepark.edu/admissions/new-student/how-to-apply-for-admissions/>) steps details

## Credit for Prior Learning

Transform the skills and abilities developed through previous experience into college credit through MPTC's Credit for Prior Learning process.

- Transfer credit from other colleges/universities
- Earn college credit for your military training and experience
- Earn college credit via Advance Placement, CLEP, DANTES/DSST or MPTC Challenge Exams
- Earn college credit from previous/current work and life experiences

Visit MPTC's Credit for Prior Learning (<https://www.morainepark.edu/academics/credit-for-prior-learning/>) page for more information.

## Approximate Costs

### Tuition

#### Occupational

- \$157.45 per credit (resident)
- \$236.18 per credit (out-of-state resident)

#### Associate of Arts/Associate of Science

- \$196.05 per credit (resident)
- \$294.08 per credit (out-of-state resident)

Online students are not charged out-of-state fees.

### Student Fees

- \$6.00 minimum per course Material Fee
- \$14.17 per-credit Supplemental Fee for Undergraduate courses
- \$4.50 per term mandatory Student Accident Insurance Fee

Please refer to Cost of Tuition and Fees (<https://catalog.morainepark.edu/billing/cost/>) for additional enrollment fee information.

## Financial Aid

Financial Aid is available for associate degree and technical diploma programs (those that are 2 semesters in length and typically with 28 credits or more). Processing can take 4-5 weeks after a student's completed Free Application for Federal Student Aid (FAFSA (<https://studentaid.gov/h/apply-for-aid/fafsa/>)) is received.

Several factors influence the total cost of your degree, including enrollment fees, the number of credits required, textbooks and equipment. [Financial aid \(https://www.morainepark.edu/pay-for-college/financial-aid/\)](https://www.morainepark.edu/pay-for-college/financial-aid/) can assist with those costs.

## Course Requirements

Course	Title	Credits
<b>Semester 1</b>		
103-159	Computer Literacy - Microsoft Office	1
150-107	IT Fundamentals 1	3
152-106	Web Site Design	3
152-107	Graphics for the Web	2

152-112	Web Coding Technologies	3
801-136	English Composition 1	3
890-101	College 101	2
<b>Credits</b>		<b>17</b>
<b>Semester 2</b>		
152-113	Web Programming Technologies	3
152-114	CSS Technologies	3
152-115	Design/Implementation/Maintenance Workflow	3
152-118	Database-Driven Web Sites	3
Mathematics Course ( <a href="https://catalog.morainepark.edu/program-information/general-education/mathematics/">https://catalog.morainepark.edu/program-information/general-education/mathematics/</a> )		3
<b>Credits</b>		<b>15</b>
<b>Semester 3</b>		
152-116	Content Management Systems	3
152-117	Emerging Web Technologies and Trends	1
152-121	Object-Oriented Programming	3
152-124	e-Commerce: Designing and Marketing Web Sites	3
201-112	Design Fundamentals	3
801-197	Technical Reporting	3
<b>Credits</b>		<b>16</b>
<b>Semester 4</b>		
152-120	Web and Mobile Internship	3
152-172	Web Site Security	3
Social Science Course ( <a href="https://catalog.morainepark.edu/program-information/general-education/behavioral-social-science/">https://catalog.morainepark.edu/program-information/general-education/behavioral-social-science/</a> )		3
Social Science Course ( <a href="https://catalog.morainepark.edu/program-information/general-education/behavioral-social-science/">https://catalog.morainepark.edu/program-information/general-education/behavioral-social-science/</a> )		3
Behavioral Science Course ( <a href="https://catalog.morainepark.edu/program-information/general-education/behavioral-social-science/">https://catalog.morainepark.edu/program-information/general-education/behavioral-social-science/</a> )		3
<b>Credits</b>		<b>15</b>
<b>Total Credits</b>		<b>63</b>

- Website Consultant/Entrepreneur
- Social Media Coordinator

## Estimated Salary Range

Average annual salaries for local workers in this career field range from \$50,499 (entry level) to \$77,895 (experienced worker).

Salary range estimates are based on wages for related occupations in the Moraine Park District as reported by Lightcast. Individual wages vary based on experience, industry, location and specific job requirements.

## Program Outcomes

- Implement a front-end user interface
- Implement a back-end web application
- Apply customer experience guidelines
- Integrate web data technologies
- Build web-based software applications
- Develop project documents

## Pathways

- Information Technology - Web Development and Design Specialist Associate Degree (p. 1)
  - Information Technology - Web Designer/Developer Technical Diploma (<https://catalog.morainepark.edu/program-information/programs/information-technology-web-designer-developer/>)
    - Information Technology - Web Site Coordinator Certificate (<https://catalog.morainepark.edu/program-information/programs/web-site-coordinator-certificate/>)

Earn a certificate, technical diploma and associate degree along this pathway. Start with some courses for entry-level employment, and continue with additional courses for higher wages and job advancement.

## Career Opportunities

- Online Marketer
- Web Designer
- Web Developer