



CAREER & TECHNICAL EDUCATION (CTE)

Web Design (AAS)

This curriculum is designed for students who want to specialize in Web Page Development and Design. Web languages covered in the Web Page Development and Design curriculum are HTML 5, CSS3, XML, & JavaScript. The curriculum additionally offers training in software Adobe Dreamweaver, InDesign, Illustrator, and Photoshop, and training in Search Engine Optimization (SEO).

Upon completion of the program, students will be able to:

- Meet with clients or management to discuss the needs and design of a website
- Create and test applications for a website
- Write code for the website, using programming languages such as HTML or XML
- Work with other team members to determine what information the site will contain
- Work with graphics and other designers to determine the website's layout
- Integrate graphics, audio, and video into the website
- Monitor website traffic

According to the Bureau of Labor Statistics, the median annual wage for web developers was \$67,990 in May 2017. The median wage is the wage at which half the workers in an occupation earned more than that amount and half earned less. The lowest 10 percent earned less than \$36,830, and the highest 10 percent earned more than \$122,320.

Start Your Career Today!

CONTACT INFORMATION

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Turtle Mountain
Community College

701.477.7862 | www.tm.edu

TMCC is accredited by the Higher Learning Commission (HLC)
of the North Central Association of Colleges and Schools (NCA).

In just two short years, students can complete an Associate of Applied Science degree at Turtle Mountain Community College (TMCC) and begin pursuing their chosen career. A college education is a proven way to enrich your life – culturally, socially, intellectually and financially.



Required Courses (64 Credits)

Semester 1

| COURSE TITLE | CREDITS |
|--|-----------|
| CIS 141 Introduction to Cybersecurity | 3 |
| CIS 180 Creating Web Pages I | 3 |
| CIS 211 Web Plan & Design | 3 |
| CIS 232 Graphics Design | 3 |
| CIS 219 Hardware Repair & Maintenance | 4 |
| Total Semester Credits | 16 |

Semester 2

| COURSE TITLE | CREDITS |
|---|-----------|
| BOTE 177 Job Readiness | 1 |
| CIS 147 Principles of Information Security | 3 |
| CIS 181 Creating Webpages II | 3 |
| CIS 233 Vector Graphics & Web Animations | 3 |
| CSCI 101 Introduction to Computers | 3 |
| CSCI 127 Introduction to Programming in JavaScript | 3 |
| Total Semester Credits | 16 |

Semester 3

| COURSE TITLE | CREDITS |
|--|-----------|
| CIS 104 Microcomputer Database | 3 |
| CIS 188 Application Design | 3 |
| CIS 235 Digital Video Basics | 3 |
| General Education Courses (6 CREDITS) | 6 |
| Total Semester Credits | 15 |

Semester 4

| COURSE TITLE | CREDITS |
|--|-----------|
| CIS 240 Digital Media I | 3 |
| CIS 255 Cloud Foundations | 3 |
| CIS 281 Project Management | 3 |
| CSCI 162 Internship | 2 |
| General Education Courses (6 CREDITS) | 6 |
| Total Semester Credits | 17 |

Total Required Credits 64