# Web Development

The Web Development program of study explores the occupations & educational opportunities associated with designing, creating and modifying websites.

| Levels | Courses |
|---|---|
| **Level 1** | **Principles of Information Technology** <br> 1850CT / 9-12 |
| **Level 2** | **Computer Science I (PLTW)** <br> 1050CT / 9-12 <br> *Prerequisite: Algebra I* <br> **LOTE Credit**     **Web Communications** <br> 1854 / 9-12 |
| **Level 3** | **Web Design** <br> 1855CT / 10-12 <br> *+WD Certified Web Design Certification Possible* |
| **Level 4** | **Practicum in Information Technology** <br> 1851CA-CB / 12 <br> *Prerequisite: 2 courses in Information Technology OR STEM* <br> *+Oracle Certified Database Associate Certification Possible* |

| 1 Semester Home Campus | 2 Semester Home Campus | 1 Semester Ben Barber | 2 Semester Ben Barber | College Course Weighted Credit |
|---|---|---|---|---|

| Occupation | Median Wage | Annual Openings | % Growth |
|---|---|---|---|
| Web Developers | $67,912 | 1,079 | 39% |
| Web Administrators, Computer Occupations | $85,197 | 1,616 | 20% |
| Software Developers | $104,499 | 6,311 | 30% |

## Industry Based Certifications

**+WD Certified Web Design Certification**
Web Design
This certification exam measures the following objectives: basic internet history & computer knowledge, web graphics concepts, HTML5 and CSS, JavaScript & PHP/MySQL, client & server side scripting and website administration.

**+Oracle Certified Database Associate Certification**
Practicum in Information Technology
This certification exam measures the following objectives: using basic select statements, definite table joins, defining select statements, using single-row function to customize output, using conversion function & conditional expressions, etc.

*The district will pay 100% of the cost of the certification test if students can show mastery by passing a certification practice test AND maintain an 80+ overall course grade at the time of the certification test. If students don't meet the requirements above, they must pay 100% of the cost of the certification test.*

**To earn a CTE endorsement, an MISD student must take 4 or more credits in the same endorsement area, with at least 2 of 4 credits within the same program of study and must include at least one Level 3 or Level 4 CTE course.**