Web Design

# Information Technology

*Level Three*

*Level Four*

*Level Two*

*Level One*

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| **Industry Certifications options include:**CompTIA IT FundamentalsCIW Web Design Specialist |
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**ABOUT THE PROGRAM OF STUDY**

The *Web Design* program of study is designed for students interested in designing and creating websites. Students will develop fundamental skills in both theory and practical application of the basic web design and development process, project management and teamwork, troubleshooting and problem solving, and interpersonal skill development. Laboratory facilities and experiences simulate those found in the web design and development industry; where interaction with a “client” is indicated in the standards, it is expected that students’ peers or the instructor may serve as mock clients in lieu of an actual relationship with an industry partner. Emphasis is also placed on applying the design process toward projects of increasing sophistication, culminating in the production of a functional, static website. As students work toward this goal, they will acquire key skills in coding, project management, basic troubleshooting and validation, and content development and analysis.

This is not an exhaustive list of all of the opportunities available in Tennessee.

**CAREER OPPORTUNITIES**

The *Web Design* occupations group is expected to be the main driver of Web developer job growth in the next decade.As more companies expand their online retail presence, more Web developers will be needed to build the websites visited by consumers. Increased reliance on mobile search is another reason the industry’s employment growth should remain strong. Further, individuals in these occupations often times move to other information technology occupations.

**Employment Projections for *Web Design* careers in Tennessee**





**POSTSECONDARY OPTIONS**

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| --- | --- |
| **School** | **Degree Program** |
| Motlow State Community College | Web Administration |
| Tennessee State University | Computer Programmer |

For more college and career planning resources, visit <http://collegefortn.org>.

****Have you registered for the Tennessee Promise? Seniors enrolled in this program have the chance to attend a two-year program at a Tennessee College of Applied Technology (TCAT), community college, or some two-year university programs for free! To learn more, please see your school counselor or visit <http://www.tennesseepromise.gov> .

***Web Design* Related Occupations with the most Annual Average Openings in Tennessee (2014-2024)**

|  |  |  |  |
| --- | --- | --- | --- |
| Occupation | 2014 Estimated Employment | 2024 Projected Employment | Total Percent Change |
| Web Developers | 1,690 | 2,010 | +19% |
| Web Administrators | 2,130 | 2,160 | +2% |
| Computer Programmers | 5,320 | 6,120 | +15% |

Tennessee Department of Labor and Workforce Development, Job4TN Online. (2017). *Occupational Projections (Long-term)*. Retrieved from <https://www.jobs4tn.gov/vosnet/analyzer/results.aspx?session=occproj>

Students in this program of study will be eligible to join TSA. In addition to school events, students will be able to compete at the regional, state, and national level. The Technology Student Association fosters personal growth, leadership, and opportunities in Science, Technology, Engineering, and Mathematics (STEM); members apply and integrate these concepts through co-curricular activities, competitions, and related programs. See your technology teacher to learn more about TSA or visit <http://www.tsaweb.org>.

**For more information, contact:**

**High School Name**

**County Name**

**CTE Director: Name**

**Email**

**Instructor: Name**

**Email**