WEB DESIGN

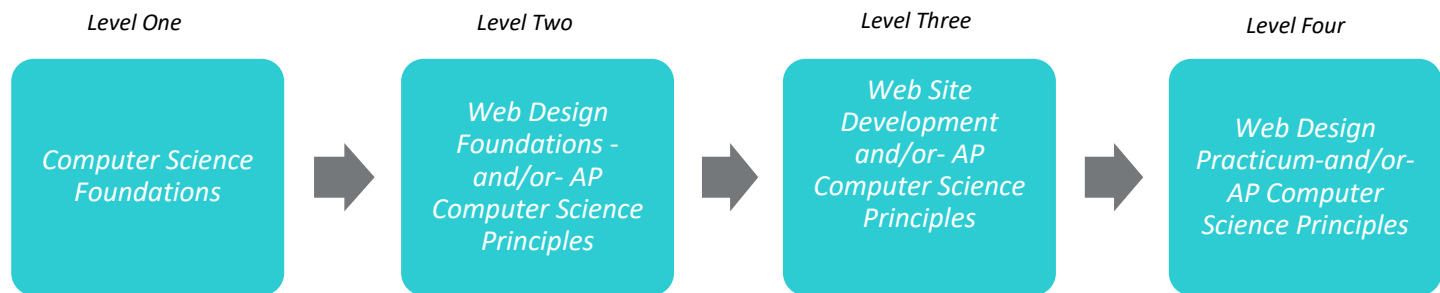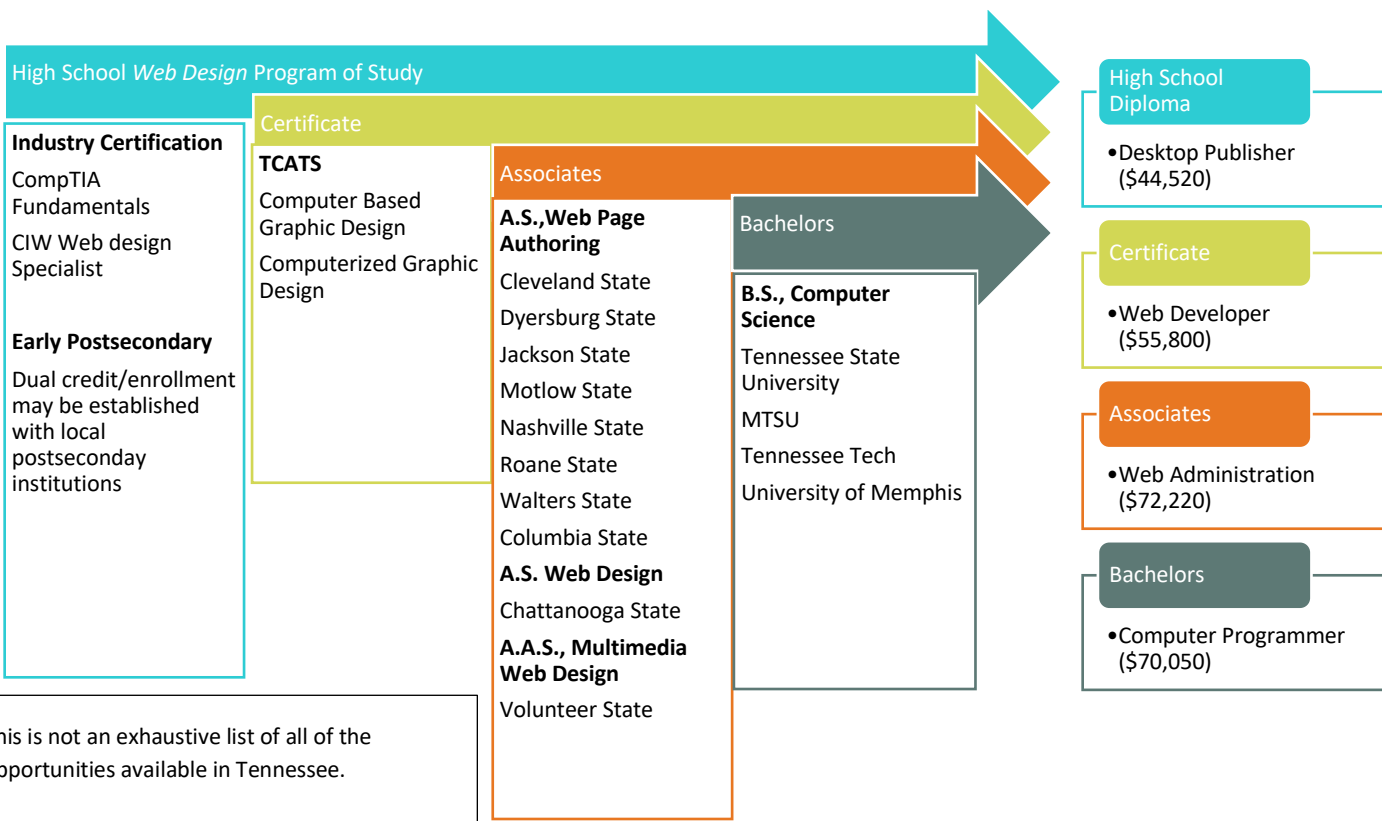| Level One	Level Two	Level Three	Level Four
Computer Science Foundations	Web Design Foundations -and/or- AP Computer Science Principles	Web Site Development and/or- AP Computer Science Principles	Web Design Practicum-and/or- AP Computer Science Principles

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.
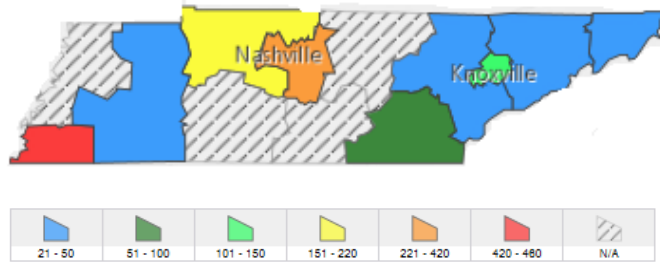
Industry Certifications options include:

CompTIA IT Fundamentals

CIW Web Design Specialist

High School *Web Design* Program of Study

Industry Certification

CompTIA Fundamentals

CIW Web design Specialist

Early Postsecondary

Dual credit/enrollment may be established with local postseconday institutions

Certificate

TCATS

Computer Based Graphic Design

Computerized Graphic Design

Associates

A.S.,Web Page Authoring

Cleveland State

Dyersburg State

Jackson State

Motlow State

Nashville State

Roane State

Walters State

Columbia State

A.S. Web Design

Chattanooga State

A.A.S., Multimedia Web Design

Volunteer State

Bachelors

B.S., Computer Science

Tennessee State University

MTSU

Tennessee Tech

University of Memphis

High School Diploma

- Desktop Publisher ($44,520)

Certificate

- Web Developer ($55,800)

Associates

- Web Administration ($72,220)

Bachelors

- Computer Programmer ($70,050)

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

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.

POSTSECONDARY OPTIONS

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.

For more information, contact:

Soddy Daisy High School

Hamilton County

Mrs. Clark

clark_maureen@hcde.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 Developers	1,690	2,010	+19%
Web Administrators	2,130	2,160	+2%
Computer Programmers	5,320	6,120	+15%