



IT WEB DESIGN

PATHWAY COURSE SEQUENCE:

1

Level 1: Information Technology Foundations (ITF)

Exposes you to various Information Technology (IT) occupations and pathways such as Networking Systems, Programming and Software Development, and Web Designs.

You will learn about:

- Social, legal and ethical issues encountered in the IT profession
- Electronics and basic digital concepts
- Project management, client relations and teamwork
- Causes and prevention of Internet security breaches
- Writing styles appropriate for web publication

2

Level 2: Web Design Foundations

Prepares you with work-related web design skills to advance into post-high school education and industry.

You will learn about:

- Concepts and application of basic web design and development processes
- Project management, teamwork and interpersonal skills
- Troubleshooting and problem solving
- Projects reflecting those found in web design and development industries

3

Level 3: Website Development

Further prepares you for success in the web design and development career fields.

You will:

- Use design skills to produce a functional, static website
- Learn key skills in coding, project management, troubleshooting and validation, and content development and analysis
- Produce a web portfolio demonstrating your mastery of skills and knowledge

IT WEB DESIGN PATHWAY COURSE SEQUENCE (continued)

4

Level 4: Web Design Practicum

Capstone course where you will apply your skills and knowledge toward the completion of a detailed project with fellow team members.

You will:

- Work independently to manage, plan, design, refine and launch a website
- Learn about professional and ethical issues encountered by web designers
- Refine your skills in problem solving, troubleshooting, teamwork, marketing and analytics, and project management

E

Pathway Elective: Work Based Learning Career Practicum

Helps you connect your classroom knowledge to high-demand, high-skill careers in Tennessee. You will develop employability skills preparing you for post-high school education and future careers. As a junior or senior (16 years or older), you may earn high school credit for Capstone WBL through internships, apprenticeships, and paid work experiences.

**Course sequence is identified by Tennessee Department of Education. Each school district determines courses offered in each pathway.*



CERTIFICATE
TCAT**

\$20,000 - 30,000*

- Computer Support Technician

TCAT Athens
TCAT Chattanooga



ASSOCIATE
COMM. COLLEGE

\$60,000 - 100,000*

- Wordpress Developer

Chattanooga State
Cleveland State



BACHELOR'S
UNIVERSITY

\$80,000 - 95,000*

- Web Application Developer

UTC - University of
Tennessee at Chattanooga

**Median wage ranges based on Tennessee Department of Labor & Workforce Development Labor Market Information- June 2014. Job standards, descriptions, and wages vary by company.*

***TCAT - Tennessee College of Applied Technology*