

WEB DEVELOPMENT PATHWAY



PATHWAY OVERVIEW

The Web Development pathway helps students build knowledge and hands-on skills in computing, digital systems, problem solving, and technology innovation.

Through Introduction to Software Technology, Computer Science Principles OR AP Computer Science Principles, and Web Development, students prepare for postsecondary education, industry credentials, and work-based learning experiences connected to the field.



CAREER CLUSTER

Digital Technology

COURSE SEQUENCE + WORK-BASED LEARNING

1

Introduction to Software Technology

Builds computational thinking and programming skills through algorithms, application design, debugging, and collaborative software projects.



2

Computer Science Principles OR AP Computer Science Principles

Explores computing systems, algorithms, data, networks, cybersecurity, programming, and the social impacts of technology.



3

Web Development

Develops web design, front-end and back-end development, database integration, responsive design, and deployment skills.



Work-Based Learning (Capstone Experience)

Apply technical skills through internships, client projects, coding challenges, and workplace learning with technology partners.

LEADERSHIP + INDUSTRY CONNECTIONS

CAREER & TECHNICAL STUDENT ORGANIZATION



COMPETITION OPPORTUNITIES

- Coding & Programming
- Network Design
- Computer Problem Solving
- Website Coding & Development
- Mobile Application Development



CHAPTER ACTIVITIES

- App or website challenge
- Coding workshop
- Code Next
- Digital portfolio
- Tech support service project
- Leadership conferences



CO-CURRICULAR / INDUSTRY EXPERIENCES

- CIW Site Development Associate
- FCS IT summer internship
- Client projects
- Industry tours
- Industry panels

SCHOOLS OFFERING THIS PATHWAY

Creekside | Riverwood International Charter School

POSTSECONDARY OPPORTUNITIES



LOCAL / REGIONAL INSTITUTIONS

- Kennesaw State University
- Savannah College of Art & Design (SCAD)
- Atlanta Technical College
- Gwinnett Technical College



DUAL ENROLLMENT

Metro-area dual enrollment options may include computer science, cybersecurity, programming, cloud computing, networking, web development, game design, artificial intelligence, or related technology coursework; verify through Georgia Futures.



CAREER OPPORTUNITIES

CAREERS

Web Developer

Front-End
Developer

Web Designer

ATLANTA-AREA EMPLOYERS

