

Information Technology

Microsoft HTML5 Application Development
CompTIA A+



**INFORM.
ENGAGE.
PREPARE.**

9TH & 10TH GRADE

PATHWAY OVERVIEW

The information technology industry, including programming, is a dynamic and entrepreneurial field that continues to have a revolutionary impact on the economy and on the world. The Programming and Software Development pathway includes occupations involved in the design, development, implementation, and maintenance of computer systems and software, requiring knowledge of computer operating systems, programming languages and software development.

Students in information technology learn and practice skills that prepare them for diverse post-high school education and training opportunities, from apprenticeships and two-year college programs to four-year college and graduate programs.

Course 1: Intro to Digital Technology

Course 2: Computer Science Principles

Course 3: Programming, Apps, Games, and Society

Students in the program are responsible for maintaining and troubleshooting 4C Academy computer systems.

REAL WORLD OPPORTUNITY

- Computer Support Specialist
- Network Technician
- Computer Programmer
- Web Developer
- Cyber Security Specialist
- Video Game Developer

11TH & 12TH GRADE

INDUSTRY CERTIFICATIONS

Microsoft HTML5 Application Development Fundamentals
Students will learn:

- Managing the Application Life Cycle
- Building the User Interface
- Formatting with Cascading Style Sheets
- JavaScript Coding

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Students will learn to:

- Assemble components based on customer requirements
- Install, configure, and maintain PCs, mobile devices, and software for end users
- Understand the basics of networking & security forensics
- Properly and safely diagnose, resolve, and document common hardware and software issues
- Apply troubleshooting skills
- Provide appropriate customer support
- Understand the basics of scripting, virtualization, desktop imaging, and deployment

Internships available with local IT firms for qualified students.

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