



Programming & Software Development



ABOUT THE PATHWAY

Path's mission is to build linkages to Information Technology occupations for entry level, technical, and professional careers related to the design, development, support and management of hardware, software, multimedia, communication, and systems integration services. Careers in programming and software development involve the design, development, maintenance of computer systems and software, requiring knowledge of computer operating systems, programming languages and software development. People with expertise in programming and software development work with cutting-edge technologies to develop tomorrow's products for use by businesses and consumers.

Follow the Programming & Software Development Pathway to explore these exciting careers:

- Software Application Specialist
- Operating System Design
- Programmer
- Applications Analyst
- Program Manager
- Game Designer
- Software Design Engineer
- Systems Tester
- And Many More!
- Annual wage range: \$39,000-\$116,000

PATHWAY LOCATIONS

East, Heights, North, Northeast Magnet, Northwest, South, Southeast & West High Schools

STUDENT ORGANIZATIONS

Business Professionals of America (BPA)

For students pursuing careers in business management, information technology, finance, office administration and other related career fields: we also offer student memberships in Career and Technical Student Organizations (CTSO) like Business Professionals of America (BPA).



PROGRAM COURSES

**Dual credit opportunity with WSUTech (offered to 10th-12th grade students)*

INTRODUCTORY: Computer Essentials, Network Essentials

TECHNICAL: AP Computer Science Principles (CSP), Intro to Computer Science, Web Page Design, Cloud Fundamentals, Advanced Computer Programming

APPLICATION: AP Computer Science Principles, IB Computing SL, Cybersecurity (SEC), Particular Topics in Computer Programming A & B, Workbased Experience-Programming & Software