The Information Technology (IT) career duster focuses on the design, development, support, and management of hardware, software, multimedia, and systems integration services. This career duster includes occupations ranging from <u>Software Developer</u> and Programmer to Cybersecurity Specialists and Network Analysts.

## Statewide Program of Study: Programming and Software Development

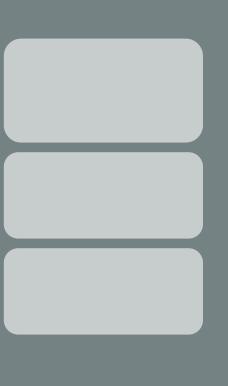
The Programming and Software Development program of study focuses on occupational and educational opportunities associated with researching, designing, developing, testing, and operating systems-level software, compilers, and network distribution software for medical, industrial, military, communications, aerospace, business, scientific, and general computer applications. This program of study indudes creating, modifying, and testing the codes, forms, and script that allow computer applications to run.

Principles of Information Technology Fundamentals of Computer Science

Computer Science I Game Programmingand Design AP Computer Science Principles Entrepreneurship I Introduction to C# Programming Applications Computer Science II Advanced Ooud Computing Discrete Mathematicsfor Computer Science Mobile Application Development AP Computer Science A IB Computer Science A IB Computer Science Higher Level Computer Science III Independent Sudy in Technology Applications Independent Sudy in Technology Applications Independent Sudy in Evolving/Emerging Technologies

Career and Technical Education Projed -Based Capstone Practicum in Audio/Video Production Practicum in Audio/Video Production +Extended Practicum in Audio/Video Production Practicum in Information Technology Practicum in Information Technology +Extended Practicum in Information Technology Practicum in Science, Technology, Engineering, and Mathematics Practicum in Science, Technology, Engineering, and Mathematics Practicum in Entrepreneurship





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