Computer Programming

Information Technology Cluster

The Computer Programming program is designed to emphasize the fundamentals of computer programming. Topics include computer software, program design and development, and practical experience in programming, using modern, object-oriented languages like C++. This course will use Dev C++ for the IDE and NAO robot as a tool for programming. Students will also study game design and development to apply programing skills.

Program Duration & Grade Level

Programming is a one (1) year program
Any 10th, 11th, or 12th grade student can participate in the class

Certifications & Qualifications

Microburst Learning Soft Skills Certification

If a student continues in the field of Computer Programming, additional schooling will be required. Listed are college majors that are available: Computer Engineering, Computer Science, Software Development, Web Design and Development, Interactive Design, and Game Development.

Standards include: Computer Programming I & II, Game Design and Development

Prior Knowledge

Below is a list of courses that are beneficial, but not required, to the course work in Computer Programming: Computer Related Courses and Algebra II

Estimated Pay

Estimated pay salaries for a person in the Computer Programming field

Job Description	Post-Secondary	Estimated Starting Salary
Computer Programmer	Bachelor's Degree	$70,000
Software Developer	Bachelor's Degree	$73,730