



# Computer Technology

Grades 11 & 12

This program is open to all students in their junior or senior year. Students will learn about all aspects of computer technology including standard software packages, operating systems and hardware architecture.

## Objectives are:

During the first and second semester the curriculum will cover fundamentals of computer hardware and software as well as advanced concepts. The students will be able to describe the internal components of a computer and laptops, assemble a computer system, install an operating system, and troubleshoot using system tools and diagnostic software. Also, students are introduced to basic and advanced Microsoft Office, and basic computer concepts including the Internet. During the third and fourth semesters, students will explore networking, programming, web design (HTML & CSS), robotics, micro computing and multimedia.

## Equipment and Resources

The Main lab has eight groups of four PCs. Each group is composed of three workstations and one group server/experimental PC. Each group will build a new PC in their senior year. The seniors are responsible for the network and PC performance, including a second Senior managed network. The small lab is used mainly for experiments, repairs, software and hardware evaluations.

After a two year course of study, students are eligible for SkillsUSA certification, CompTIA – A+ certification and Niagara County Community College credits.

## Applied Academics

Students enrolled in the Computer Technology program can earn credits that will satisfy core academic requirements in English Language Arts, Math and Science. Through the integration of these core academics, achieving a Regents Diploma remains in reach.

## College Agreements

In addition to gaining the skills needed to enter the workforce, this program provides an excellent foundation for students looking to enter a college program. Articulation agreements for college credit are in place with: Bryant and Stratton College (9 hours), Genesee Community College (13 credits) and Niagara County Community College (College Acceleration Program).

## How to Enroll

Orleans/Niagara BOCES partners with local school districts to provide exciting hands-on career and technical training during normal school day. To learn more, speak with your high school counselor or you can contact Orleans/Niagara BOCES Orleans Career and Technical Education Center Principal Mr. Michael Mann at [mmann@onboces.org](mailto:mmann@onboces.org).

## Teacher Information

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