

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, cyber security, operating systems and hardware architecture.

Objectives are:

During the first two semesters, students are introduced to basic computer technology and networking concepts. Standard software packages such as Microsoft Office are introduced and are used throughout the course. Internet security concerns and how to maintain a safe computing environment are discussed.

During semesters three and four, the curriculum will cover the fundamentals of cyber security, 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. Each student will also create a portfolio containing a resume, cover letter, and any certifications they achieve during the class.

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, and software and hardware evaluations.

Applied Academics

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

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 Niagara County Community College.

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.

Teacher Information:

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