

Engineering & Technologies



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- ☆ Computer & Business Technology
- ☆ Electronics
- ☆ Graphic Communications
- ☆ Pre-Engineering

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St. Lawrence-Lewis BOCES

Engineering & Technologies Educational Programs:

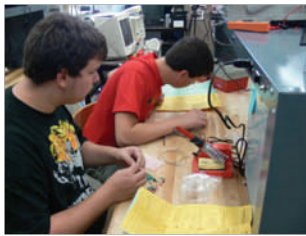
■ Computer and Business Technology

The Computer and Business Technology curriculum focuses on computing, computer science, and information science and systems as part of a broad and interdisciplinary program.



Students will develop skills in using, analyzing, troubleshooting, and repairing A+ Core Hardware, delve into networking, software, data structures, and programming. All students will complete an independent project.

■ Electronics



Students will develop technical knowledge and skills to operate, maintain, and repair electrical and electronic equipment. The curriculum includes instruction in both digital and analog circuitry, simple gearing, linkages and lubrication of machines and appliances, and the use of testing equipment.

The program provides a pathway for students to further their education or employment.

■ Graphic Communications

Graphic Communications is a two-year, 900-hour course covering publishing, animation, and multimedia disciplines in today's digital careers.



Students will master skills in digital photography and scanning, image manipulating and editing, computer presentations, web page design, desktop publishing, offset printing, 2D and 3D animation, and digital video production.

Students will also learn the principles of typography, layout and design, color theory, animation techniques, image composition, camera angles, script writing, public speaking, and fundamental publishing practices.

■ Pre-Engineering

We learn best when we do “the real thing.” Through project-based learning students in the Pre-Engineering program of study will be exposed to the varied



fields of engineering. Students will acquire and further develop skills in math, science, engineering design, research, and report writing. Students will be provided a laptop for use during the program to further enhance their learning, technology, and college preparation skills. Key components of the program are physics, math, communication, teamwork, and leadership skill building.