

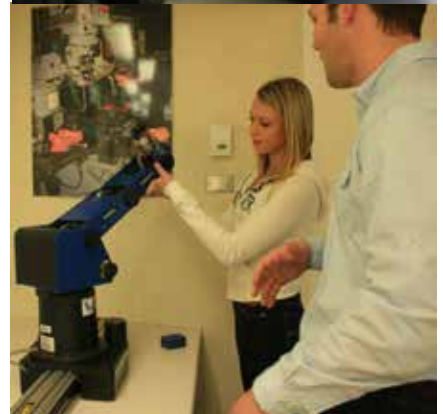
ELECTRICAL TECHNOLOGY/ ADVANCED MANUFACTURING

Currently Offered At:

 **SUNYADIRONDACK**
EARLY COLLEGE CAREER ACADEMY

Students are dually enrolled in high school and SUNY Adirondack, Queensbury campus, as non-matriculated students for this two-year program. Upon completion, a student is eligible to earn 27 college credits - at no cost to the student - toward an Associate in Applied Science (AAS) degree in Electrical Technology.

- A mix of college-level courses, job skills and technical education help train the “industrial athletes” of the future. BOCES educators and SUNY Adirondack professors work together in this Early College Career Academy to provide students a trans-disciplinary environment that encompasses all learning styles and individual strengths.
- Every student will be provided with a laptop for 1:1 technology.
- The sequence of coursework in this program will ensure job-ready skills and national certifications recognized by the Manufacturing Skill Standards Council (MSSC).
- All students are given the opportunity to participate in a Work-Based Learning experience that connects students with future employers through internships, job-shadowing and mentorship.



Curriculum includes:

- | | |
|--------------------------|---------------------|
| • Advanced Manufacturing | • Physics |
| • Engineering | • Public Speaking |
| • Robotics | • Technical Writing |

MSSC Certification

- Safety
- Quality & Measurement
- Manufacturing Processes Production
- Maintenance Awareness
- Students who receive all four certifications can achieve status of Certified Production Technician

Students completing the program successfully qualify to work as:

- Team Assembler
- Machinist
- Welder, Cutter, Solderer and Brazer
- Inspector, Tester, Sorter, Sampler and Weigher
- Computer-Controlled Machine Tool Operator
- Tool and Die Maker
- Bookkeeping, Accounting and Auditing Clerk

Employment opportunities requiring further education:

- Electrician
- Engineer
- Manufacturing Technician
- Industrial Product Manager
- Research Analyst
- Fabrication Specialist
- Quality Control Manager

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