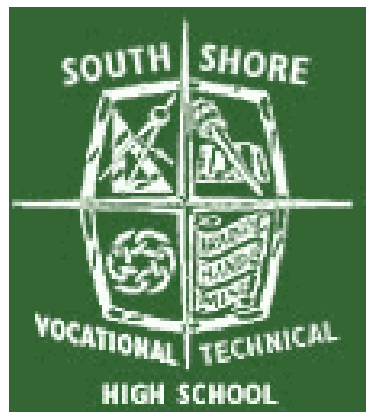# South Shore Vocational Technical High School

Electronics Engineering Technology

Electronics Engineering Technology

Program Description

This program is designed to develop entry-level electronic technicians or to prepare students for college preparation into electronics engineering. This is accomplished by developing a fundamental background in a number of areas including electronics theory, computer repair and maintenance, digital technology, and communications.
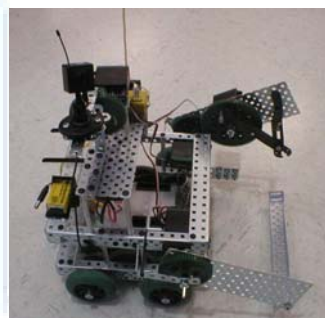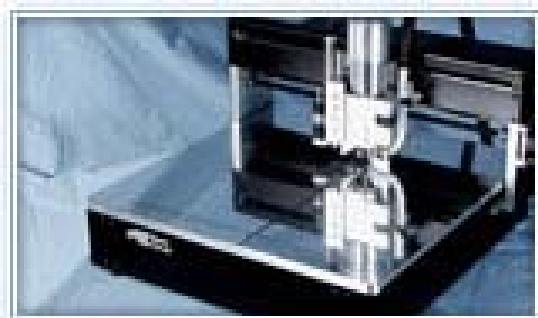
Course Content

- Courses relevant and necessary for the better jobs available.
- **Custom designed laboratories.**
- Courses contain relevant materials that are at the leading edge of technology.
- Data/telecommunications containing the latest sub-technologies
- Basic electronics taught by faculty highly experienced in the industry.
- Analog and linear integrated circuits.
- Digital logic and advanced digital circuitry.
- Microprocessor based computers and programming.
- **PC board design**
- Externships offered in senior year.
- Surface mount device technology (SMD).
- Laboratory work includes extensive hands-on training, troubleshooting, and practical understanding of advanced circuitry.
- **Robotics**
- A+ CompTIA Computer Certification
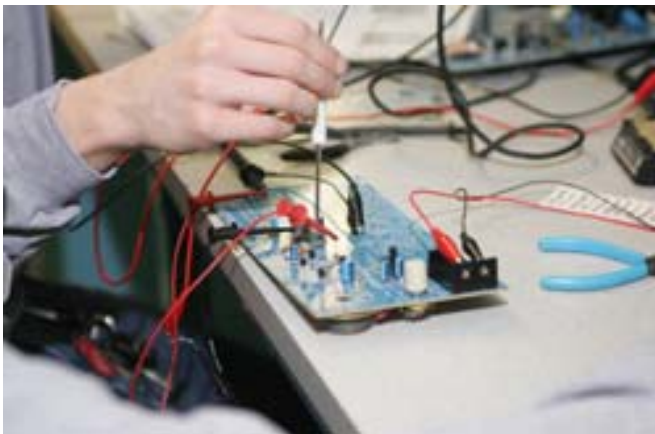
Educational Opportunities

Once graduated take your pick: Electrical Engineering, Electronic Technology or Electronic Engineering. Then move on to a degree program at Northeastern University, Wentworth Institute of technology, University of MA - Dartmouth, University of MA - Lowell, New England Tech, Cal Tech/Long Beach, Massachusetts Maritime, Norwich University, Worcester Poly Technical, or many other colleges and universities.

Career Opportunities

The list is as broad as your imagination. Medical Electronics, Computers, Communications, Home Entertainment Equipment, Marine Electronics, Automation Controls, Satellite Communications, Avionics, Electrical Instruction. Many of our students go on to higher education, enter the military, or become successful electronics technicians in the industry. To help you reach your objective, we have developed an articulation agreement with Wentworth Institute of Technology, Massasoit Community College and New England Institute of Technology where our graduates receive advanced placement. Our equipment and curriculum are constantly updated to keep students qualified in this ever-changing field.

Area Employers

Thayer Scale
Foxboro Company
Yankee Controller
Dow Chemical
B.L. Associates
Industrial Communications
Microway Inc.
Signet, Xerox
Bay Copy
Butler Controls
Codex
Northrup Corp.
Amtrak
Comcast
Massa

Job Titles

- Electronics Technician
- Customer Engineer
- Production Technician
- R&D Technician
- QA Technician
- Instrumentation Technician
- Systems Technician
- Manufacturing Technician

- Bench Test Technician
- Data Communications Technician
- Field Service Technician
- Sales Representative
- Electronic Surveillance Technician
- Biomedical Technician
- Slot Technician

"Engineering technology is the profession in which a knowledge of mathematics and natural sciences gained by higher education, experience, and practice is devoted primarily to the implementation and extension of existing technology for the benefit of humanity.

Engineering technology education focuses primarily on the applied aspects of science and engineering aimed at preparing graduates for practice in that portion of the technological spectrum closest to product improvement, manufacturing, construction, and engineering operational functions." Northeastern University