



Electronic Manufacturing

accredited by the International Society of Certified Electronic Technicians

ELECTRONIC MANUFACTURING requires working with small component parts, power and hand tools, generally in a bench type environment. Electronic workers must have good memory, the ability to do repetitive tasks, good manual dexterity and good eye/hand coordination

Work Environment

Entry level positions assembling electronic components, sub-assemblies and systems requires any one or a combination of the following methods: reading work orders, following production drawings, reading blueprints, assembly and schematic diagrams and receiving verbal instruction regarding work to be done. Electronic Assemblers generally work in an industrial or laboratory setting.

Career Opportunities:

Electronic Assembler
Wire-Worker
Electronic Sub-Assembler
Wire Harness Assembler
Printed Circuit Board Assembler
Printed Circuit Board Re-Worker

Employment Outlook

The electronics industry is particularly important on Long Island. The Northeast and West coasts have been and will remain excellent areas of employment.

Course Outline:

- Shop Safety
- Hand Tools
- Conductors and Insulators
- Connectors and Connections
- Hand Soldering and De-Soldering
- Electronic Terms and Devices
- Component Identification
- Circuit Construction
- Inventory Control
- Rework and Repair
- Wiring and Harnessing
- Surface Mount Technology
- Electro-Static Discharge
- Multi-Meters and Test Instruments
- Basic Related Mathematics
- Job Seeking/ Job Keeping Skills

Consider these Courses at Tech

- Computer Networking and Repair/Technical Electronics
- Construction Electricity
- Design and Production Technology*

All placements are based upon individual needs and approval from the district and parent/guardian.

*Smaller class size.