

YOUR FUTURE AS AN ELECTRONICS TECHNOLOGIST

An Electronics Career Awaits You

Do you like troubleshooting problems? Do you like transforming an idea into reality? How about designing and developing new products? Then a career in electronics could be for you!

Electronics Are Everywhere

From alarm clocks, cell phones and microwaves to keyless entry to our cars, electronics touch almost every aspect of our lives. That's wonderful for those who are interested in the growing career opportunities in the field of electronics.

What Does an Electronics Technologist Do?

An electronics technologist brings the engineer's ideas to life by developing a prototype or product. The technologist oversees quality control, making sure the product's specifications and requirements are incorporated into the engineer's new or existing design.

Electronics Technologist Career Specializations

As an electronics technologist, you can concentrate in a variety of specializations, such as:

- Avionics
- Biomedical equipment
- Computers
- Electronic security systems
- Home entertainment equipment
- Military hardware
- Robotics
- Telecommunications



Basic Skill Requirements

As you can imagine, a career path as an electronics technologist requires a specific educational background and a unique set of acquired abilities. However, there are qualities that everyone in the electronics field must possess and a core set of skills they must master in order to succeed within their chosen career path. These include:

- Written comprehension
- Basic algebra
- Computer literacy
- Problem solving
- Strong interpersonal skills
- Verbal expression and clarity
- Teamwork
- Logic, reasoning and critical thinking
- Strong work ethic
- Independence and initiative
- No color blindness



Moving Along Your Career Path...

As we all know, technology is rapidly changing. The amount of new technical information is doubling every two years. In order to keep pace, those in the electronics field must be dedicated to life-long learning. On-the-job training, special certifications and additional classroom education are ways to maintain your existing skills and create opportunities for continued career advancement.

GET AMPED ABOUT YOUR FUTURE!

ELECTRONICS TECHNOLOGIST CAREER PATH

Potential Job Responsibilities

As an Electronics Technologist, your responsibilities may include: building prototypes from proven concepts which may involve testing, repairing and modifying the engineer's design; testing designs to ensure compliance with standards; performing senior-level field support for products and systems; and providing service delivery to customers.

Education/Training Requirements

- Four-year degree required
- Bachelor of Science in Engineering Technology or Bachelor of Engineering Technology

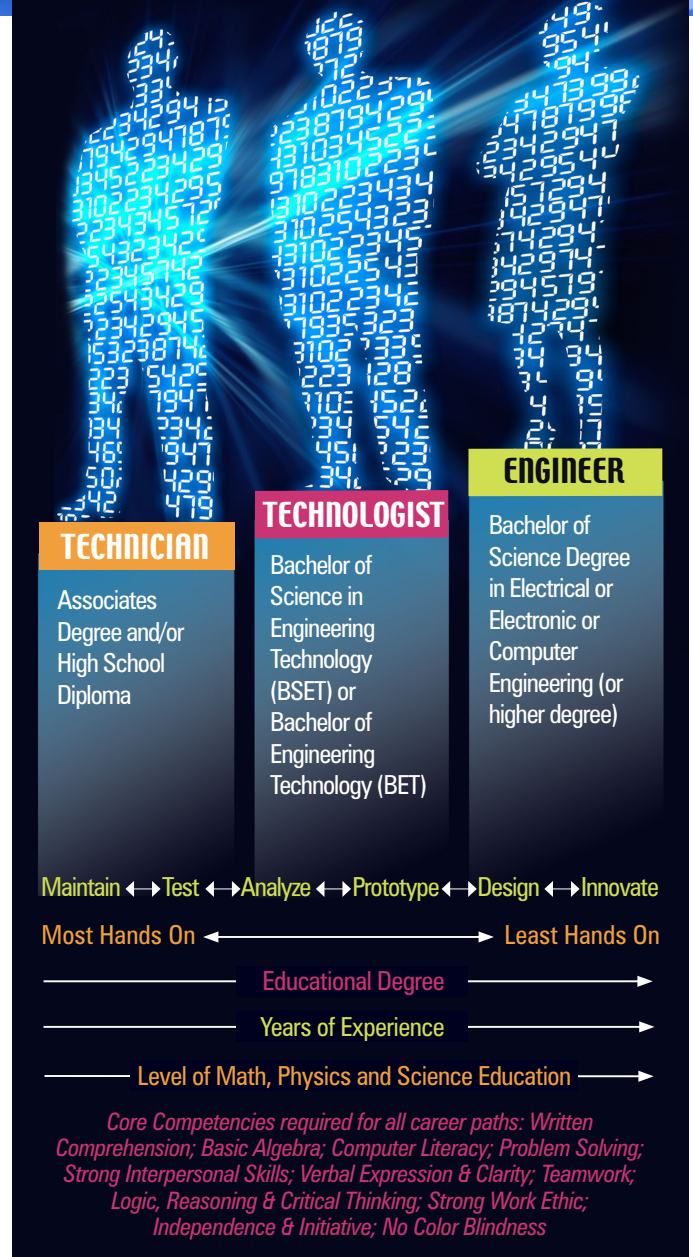
Job-Specific Skills

- Understanding of basic calculus and basic physics for complex problem solving
- Knowledge of the practical application of electronic engineering science and technology
- Knowledge of Computer Aided Design (CAD) software
- Judgment and decision-making skills
- Ability to represent yourself professionally in person, in writing and by telephone or email

Sample Job Titles

- Electronics Technologist
- Engineering Assistant
- Biomedical Engineering Technologist
- Customer Service Engineering Technologist
- Service Engineering Technologist
- Systems Test Engineering Technologist
- Software Engineering Technologist
- Quality Control Engineering Technologist

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For more information on job titles and skills required for career opportunities in electronics, visit the Occupational Information Network O*Net Online at <http://online.onetcenter.org>.

For more information on electronics job opportunities in Northeast Pennsylvania, visit PA Career Link at www.pacareerlink.state.pa.us.