

Electrical Technology

Institute of Technology at Syracuse Central High School (ITC) P-TECH Pathway

The Career Field: Today's emphasis on sophisticated electronic hardware techniques requires an electrical technician to be well schooled in fundamental concepts relating to AC and DC circuit analysis, electronics, special devices, power, communications, as well as digital hardware and software techniques. As an engineering technician, you will work with engineers in the area of research and development, design, and modern manufacturing methods. You will be prepared to seek employment opportunities in the area of design, manufacturing, sales, and service.

The Program: Students enrolled in the program are matched with a professional career coach, take core academic classes and also college classes, and gain professional work experience, all during their high school years.

The program is oriented for students to learn to construct, test, analyze, trouble-shoot and repair systems and sub-systems reflective of modern technology using real-world engineering tools and the technologies of today. Students will learn about fundamental concepts such as:

- » Electronics
- » Industrial control
- » Instrumentation
- » Communications
- » Power distribution
- » Electronic hardware

Syracuse City



School District



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P-TECH Pathway

Career Opportunities

- » Electronics Technicians
- » Test Technician
- » Electronics Assembler
- » Sales and Service
- » Engineering Assistants in Research, Design and Manufacturing

Many students choose to continue their education by transferring credits to a four-year school to earn a bachelor's degree in engineering.

Certificates & College Credit

- » Electrical Technology A.A.S., SUNY Onondaga Community College
- » NYS Regents Diploma or a Regents Diploma with Advanced Designation, Syracuse City School District
- » OSHA Safety Certification
- » Technical Endorsement

Partnerships

P-TECH students will receive a professional career coach who will support them throughout the program. Over 45 businesses partner with the Electrical Technology P-TECH Pathway at ITC!

Who

Any SCSD 8th grade student may apply to the Electrical Technology P-TECH Pathway at ITC.

Cost

There is no cost for the Electrical Technology P-TECH Pathway.


Where

Students in the Electrical Technology P-TECH Pathway will attend the Institute of Technology at Syracuse Central High School.

Apply

During the 8th grade year, students apply online at www.scsd.us or in person at the Student Registration Center (1005 W. Fayette St.).

All applicants (accompanied by a parent or guardian) must complete an in-person interview with ITC staff.



Do you like taking things apart, studying them, and putting them back together for fun? Do you like to tinker with things?

**The P-TECH
Electrical
Technology
Pathway may
be for you!**