

# Mechanical Technology

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

**The Career Field:** Mechanical Technology plays a critical role in keeping the world's most complex systems running smoothly, so that we can continue to enjoy the ease with which we choose and use our favorite places and things. Without the mechanical, manufacturing, and quality assurance technicians and drafter/designers that are integral to this important profession, we would not be able to implement, analyze or improve the technologies we've come to rely on in our every day lives.

**The Program:** Students enrolled in the Mechanical Technology P-TECH 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 to prepare students for employment in industry as engineering technicians. Coursework in the Mechanical Technology program includes:

- » Engineering documentation
- » Manufacturing processes
- » Machining and inspection techniques
- » Material science
- » Computer-aided design (CAD)

Syracuse City



School District



# Mechanical Technology P-TECH Pathway

## Career Opportunities

- » Mechanical, Manufacturing, and Quality Assurance Technicians
- » CNC Programmer
- » Maintenance Technician
- » Drafter/Designers, Testing and Inspection Technician

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

- » Mechanical 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 Mechanical Technology P-TECH Pathway at ITC!

## Who

Any SCSD 8<sup>th</sup> grade student may apply to the Mechanical Technology P-TECH Pathway at ITC.

## Cost

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

## Where

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

## Apply

During the 8<sup>th</sup> grade year, students apply online at [www.scsd.us](http://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  
Mechanical  
Technology  
Pathway may  
be for you!**