

# Biotechnology

## Institute of Technology at Syracuse Central High School (ITC) CTE Pathway

**The Career Field:** Biotechnology is a term that encompasses all facets of the medical and biological sciences. Whether you are interested in finding a cure for cancer, doing research in a lab, or providing direct care to ailing patients, this pathway may be the first step. A background in biotechnology can lead to a career in medicine, research, science, public health, environmental conservation and many others.

**The Program:** In this STEM program pathway, students will be exposed to several different levels of science and math courses. Students will begin earning college credits as early as their 9th grade year in concurrent enrollment classes taught at ITC.

As seniors, students will be on the OCC campus taking college classes in the morning and returning to ITC in the afternoon to finish their high school requirements.

At the completion of this pathway, students will earn a minimum of 24 college credits that they can use to attend OCC to major in a Liberal Arts & Sciences: Mathematics and Science A.S. degree or they can transfer those credits to another 2 year or 4 year college of their choice.

Syracuse City



School District



# Biotechnology

## CTE Pathway

### Career Opportunities

- » Biological technician
- » Biochemist
- » Microbiologist
- » Biophysicist
- » Physician
- » Research technician
- » Physician assistant

### College Credits

- » SUPA Forensics
- » SUPA Biology
- » SUPA US History
- » SUNY ESF Global Environment
- » SUNY ESF Renewable Energies
- » SUNY ESF Pre-Calculus
- » Dual credit classes on SUNY OCC's campus

### College Partners

- » SUNY Onondaga Community College
- » SUNY Environmental Science and Forestry
- » Syracuse University

### Who

Any SCSD 8<sup>th</sup> grade student may apply to the Biotechnology CTE Pathway at ITC.

### Cost

There is no cost to attend the Biotechnology CTE Pathway at ITC.

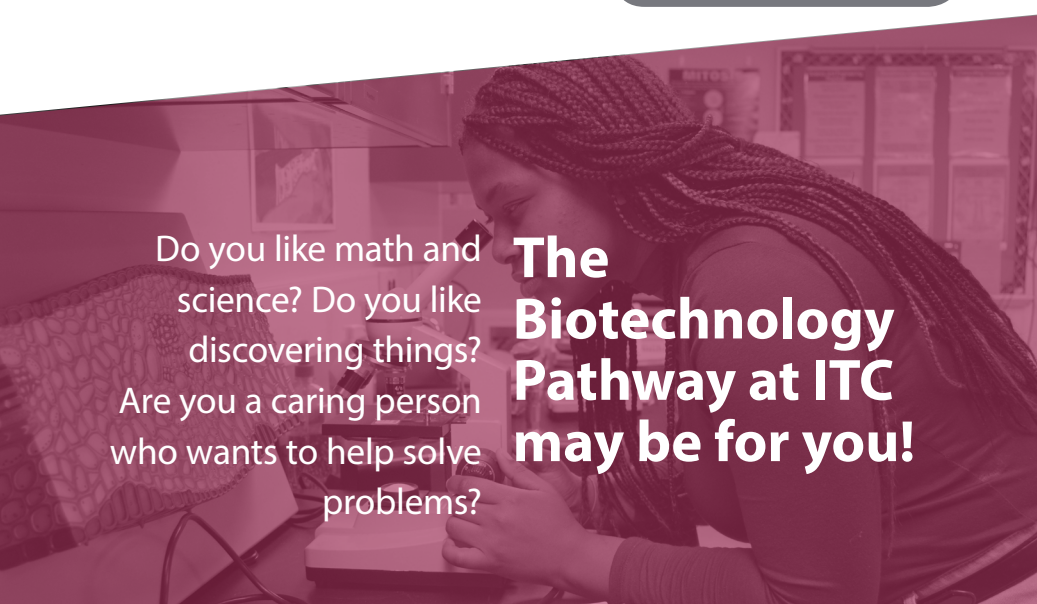
### Where

Students in the Biotechnology CTE 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 math and science? Do you like discovering things? Are you a caring person who wants to help solve problems?

**The  
Biotechnology  
Pathway at ITC  
may be for you!**