



ENGINEERING ACADEMY

Step ahead!

Get the skills and experience that will put you a step ahead, be it in college or a rewarding career.

- **Tour local engineering firms**
- **Shadow local professionals**
- **Work side-by-side with area engineers**
- **Explore career options**

"New Visions not only helped to improve my soft skills, but it allowed me to really hone in on what I want to do after college. It also played a key part in getting me a summer internship."

- Kurt Starner, Clarkson University
Engineering and Management Major

Call 607-763-3343

New Visions Engineering

Our program

The New Visions Engineering Academy is a fun and challenging program for students who are ready for some independence outside of the traditional classroom.

Work with other students excited about the field and be mentored by professionals who expose students to a variety of career options in engineering. This program is for highly motivated students with a strong academic record who are curious and eager to learn how products are designed/manufactured.

Highlights

- Visit Binghamton University
- Work with engineers on mentored projects
- Tour local companies and shadow their engineers
- Participate in the local “Kids CAN Build” competition
- Compete in SUNY Broome’s Robotics Competition
- Study product design using 3d modeling and printers
- Learn Arduino and Vex programming

High school credits offered

English

- ELA 12 (1 credit)

Social Studies

- Economics 12 (½ credit)
- Participation in Government 12 (½ credit)

Engineering

- Course work and placement activities (2 credits)



College credits offered

College Writing I (ENG 110)

SUNY Broome Fast Forward (3 credits)

Political Science (POS 111)

SUNY Broome Fast Forward (3 credits)

Engineering Design I with Graphics (EGR 150)

SUNY Broome Fast Forward (2 credits)

Engineering Design II with Graphics (EGR 151)

SUNY Broome Fast Forward (2 credits)

Step ahead to a promising career

- Various engineering domains
- Engineering technician
- Project management



Broome-Tioga BOCES does not discriminate - in employment, admission, or in the education programs and activities it operates - on the basis of race, color, national origin, religion, marital status, military status, sex, age, weight, sexual orientation, gender identity, ethnic group, religious practice, disability or predisposing genetic characteristic in violation of Title IX of the Education Amendments of 1972, Title VI and VII of the Civil Rights Act of 1964, 42 U.S.C. 12111 et. Seq. known as the Americans with Disabilities Act or section 504 of the Rehabilitation Act of 1973, New York Human Rights Law, and the Boy Scouts of America Equal Access Act of 2001.

Call 607-763-3343

www.btboces.org