



# Career & Technical Education ENGINEERING TECHNOLOGY PROFESSIONS

Explore an exciting future in engineering, including micro-nano technology and other cutting-edge fields, in this two-year Engineering Technology Professions program at OCM BOCES. Through a collaborative partnership with Tompkins Cortland Community College (TC3), Cornell University's NanoScale Science & Technology Facility and area industries, students will gain the knowledge and skills they need to pursue a variety of fast-growing careers in science, technology, engineering and mathematics.

## TC3 and Cornell University Partnership

Students will have a unique opportunity to get a jump-start on their careers by earning up to 18 college credits through Tompkins Cortland Community College in partnership with Cornell University's state-of-the-art NanoScale facility. Through successful completion of this coursework, students can earn microcredentials from TC3 in Electrical Engineering Technician Level I and Micro-Nano Fabrication Safety.

## CTE Endorsement

In addition, students will earn high school credits toward a Career & Technical Education (CTE) endorsement on their diploma — an endorsement that signifies they have met a rigorous industry standard by successfully passing a technical assessment. The CTE seal is recognized by employers and colleges across the country.

## Career Opportunities

- Agricultural Engineers
- Automotive Engineers
- Mechanical Engineers
- Electrical Engineers
- Industrial Production Managers
- Logistics Engineers
- Mechanical Engineering Technologists & Technicians
- Microsystems Engineers
- Nanotechnology Engineering Technologists & Technicians
- Nanosystems Engineers
- Semiconductor Processing Technicians
- Civil Engineers
- Materials Engineers
- Manufacturing Engineers
- Robotics Engineers
- Bioengineers & Biomedical Engineers
- Computer Hardware Engineers

## Industry Training Opportunities

- Job Shadowing
- Internships
- Apprenticeships

## Available Academic Credits

- 3 CTE credits per year
- 1 science or 1 math credit per year
- TC3 college credits
- Up to 18 TC3 college credits, applied toward microcredentials in Electrical Engineering Technician Level I and Micro-Nano Fabrication Safety

For more information about the Engineering Technology Professions program, talk with **your high school counselor** or contact our OCM BOCES CTE school counselor:

**Rebecca Robertson**

607-758-5260 ~or~ rrobertson@ocmboces.org