

A new educational opportunity is just around the corner...

A new, approximately 53,000 square foot, state-of-the-art facility located in Rotterdam, N.Y., **the Center for Advanced Technology @ Mohonasen** is home to a variety of modern, high-tech labs and classrooms that offer learning experiences in “real-world” work environments. Through a unique partnership between Mohonasen Central School District, Capital Region BOCES and Schenectady County Community College (SCCC), classes will be offered to high school, college and workforce development students.

### What is the Center for Advanced Technology @ Mohonasen?

The Center for Advanced Technology offers hands-on learning in “real-world” work environments to high school, college and workforce development students. Depending on the course, students may earn a professional certificate or college credit in their desired field. Classes are aligned with state learning standards as well as national industry standards, where applicable. Upon graduation, students are prepared to enter the workforce, attend additional training and/or pursue a college degree.

### How does the Center prepare students for life beyond high school?

Classes at the Center prepare students for “middle-skill” jobs—those that require education beyond high school but not necessarily a four-year degree. Area employers are looking for trainable problem-solvers with foundation skills—particularly to fill the “middle skills gap.”

Middle skill professions currently make up the largest part of the labor market in the United States, and many workers employed in middle skills fields are earning more than their counterparts who possess a four-year degree.

### What is the “middle skills gap”?

The middle skills gap is the mismatch between the needs of employers for skilled talent and the actual skills possessed by the available workforce.

### How do I enroll?

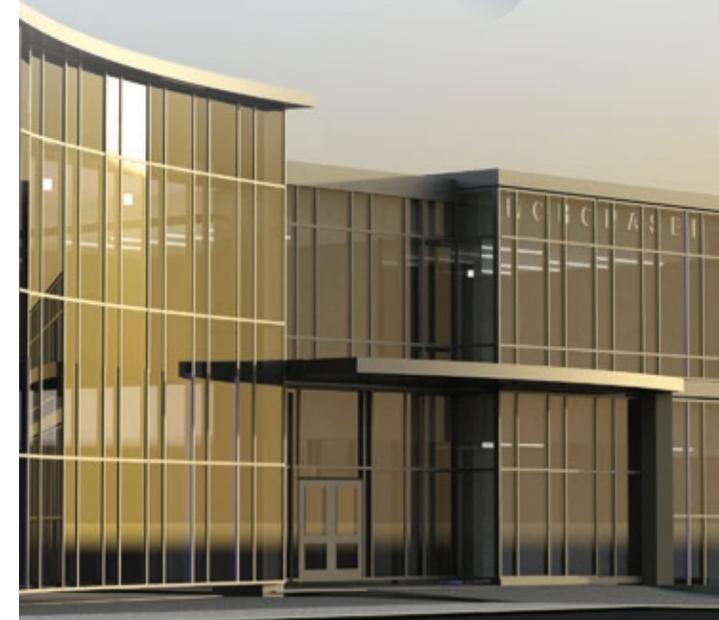
Contact your school’s guidance counselor for additional information on registering for CAT programs. Or, call Mohonasen Central School District at **(518) 356-8200**.

### Where can I learn more?

Visit [www.mohonasen.org/cat](http://www.mohonasen.org/cat)



Create your FUTURE



The new Center for Advanced Technology @ Mohonasen will offer innovative academic programs and career training in laboratories and classrooms that mirror today's evolving high-tech, high-demand workplace. Through hands-on learning, students will gain skills and knowledge to meet the growing workforce demands of the regional economy. Among the programs offered:

### ELECTRICAL TECHNOLOGY

Explore and build skills to shape the future in electricity and cutting edge, 21st century green technologies. Coursework includes residential wiring, solar energy and wind technology, Smart Grid energy-saving solutions, robotics, advanced, automated production and mechatronics.



### MACHINING & MANUFACTURING

Learn how products are taken from concept to consumer using the latest technologies in machining and manufacturing. Gain skills that enable you to compete in a global marketplace.



### MEDIA ARTS

Develop skills for careers related to communications, graphic design and/or theater arts. A state-of-the-art black box theater provides flexible space for student learning and productions.



### WELDING

Acquire a variety of skills and techniques in high demand within today's job market. Coursework includes: operation of welding machinery, blueprint reading, cleanroom environments and more.



### HEALTH PROFESSIONS

Train in medical science coursework—including physical therapy, athletic training and sterile technology, among others—and be prepared to help meet the growing demand for educated and experienced health-care professionals.



### MATERIALS TECHNOLOGY

From hands-on building to computer-assisted design projects, prepare to enter the construction field upon graduation or continue on to college. Courses range from fundamentals of production and construction to civil engineering and architecture (CEA).



### NANOTECHNOLOGY

Explore the underlying principles of nanotechnology by working with materials at the molecular level. Gain knowledge of nanoscale science and technology in the Center's simulated "clean room."



### GAMING

Learn how to create video games, digital art, computer graphics, animations and other applications. Working with both PCs and Macs, create a variety of projects and prepare to take Adobe Certified Associate exams for Photoshop and Flash.



Learn more about these programs at [www.mohonasen.org/cat](http://www.mohonasen.org/cat)

