

EARLY COLLEGE

CAREER ACADEMY

A partnership between SUNY Adirondack and WSWHE BOCES



GREAT FUTURES START HERE



Advanced Manufacturing



Business and Entrepreneurship



Information Technology:
Computer Networking and Cybersecurity



New Media

You can begin to earn credit through Early College Career Academy in the fall of your high school junior year toward a degree in:

- Advanced Manufacturing
- Business and Entrepreneurship
- Information Technology:
Computer Networking and Cybersecurity
- New Media

Students who participate in the program are dual enrolled; in other words, they will be high school students and college students at SUNY Adirondack at the same time.

The national data on dual enrollment shows the more college credits a student earns in high school, the more likely they are to complete a degree on time, and with a lot less debt than their peers!

“The Business and Entrepreneurship program is teaching me the skills I will need to be successful in college.

I plan to continue my Business education at SUNY Adirondack. After I graduate college with an associate degree, I want to go full force into business.”

- Justin Garfolo, Saratoga Springs, New York

www.adkecca.org

On the cover: Matthew Wildermonth, Advanced Manufacturing graduate



**EARN UP TO
32 CREDITS
TOWARD AN
ASSOCIATE DEGREE
AT NO COST TO
THE STUDENT**

WSWHE BOCES educators and SUNY Adirondack professors work together in Career Academy to provide students with an environment that accommodates all learning styles and individual strengths.

A UNIQUE EDUCATIONAL EXPERIENCE

Students will engage in a combination of college courses, technical education and job skills related to their chosen fields of study. Early College Career Academy works to provide students with educational opportunities that will set them apart from their peers.

The four core components of the program that inform curriculum are:

INDUSTRY-RECOGNIZED CERTIFICATIONS (IRCs)

Each program provides students with the opportunity to earn IRCs that make them employable immediately upon completing the program.

INDUSTRY-ALIGNED DEGREE PROGRAM

Each ECCA pathway aligns with a SUNY Adirondack degree program(s).

Many of these credits are highly transferable to other college programs as well.

WORKPLACE LEARNING

Students will be applying what they learn in the classroom to real-world scenarios provided by SUNY Adirondack expanding list of business partners.

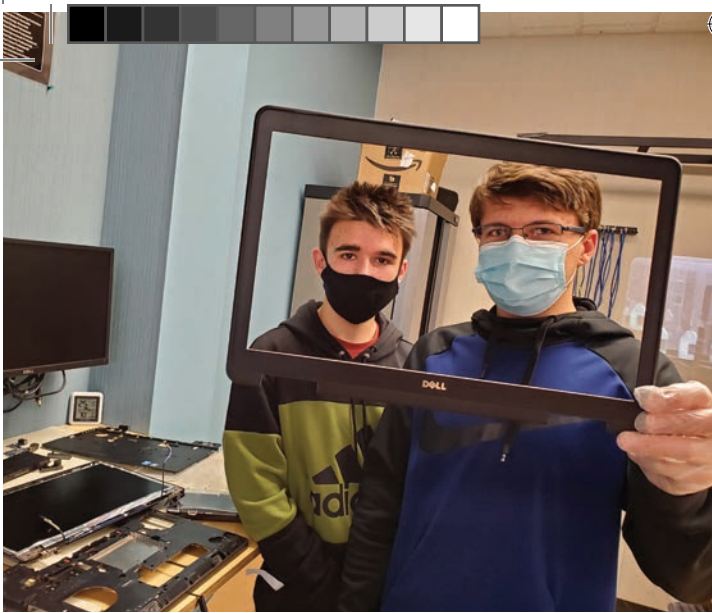
INDUSTRY TECHNOLOGY

Students are provided with access to cutting-edge technology used in their fields of study.

All this is at no cost to students or their families.

“This program is an amazing opportunity to get an associate degree and it broadens what I can do.”

- Jacob Stoddard, Queensbury, New York





BUSINESS AND ENTREPRENEURSHIP

A BUSINESS PLAN FOR YOUR FUTURE

Do you have the next BIG idea?

Get a jump-start in a professional business program that encourages creativity and planning for the ambitious, business-minded student. This early college program prepares students to pursue many different avenues and career paths in the field of business.

Working with local entrepreneurs, students will engage in work- and project-based learning opportunities that provide them with the tools necessary to develop a business plan and the skills required to be a hireable business professional.

HIGHLY TRANSFERABLE

Credits obtained will apply directly to five SUNY Adirondack degree programs:

- Accounting
- Agricultural Business
- Business Administration
- Management, Marketing and Entrepreneurship
- Hospitality Management
- Many public and private bachelor's degree programs

BUSINESS COMPETITIONS

Students in this program will gain strong collaboration, critical-thinking, problem-solving, ideation and innovation, and presentation skills through competitions throughout the year.

BUSINESS AND ENTREPRENEURSHIP CAREERS:

- Business administrator
- Product research and development
- Small-business owner
- Business consultant
- Project manager
- Marketing



A strong focus on our strengths and developing our skills through interactions with entrepreneurs and business professionals sets us apart from traditional college or high school experiences.



INFORMATION TECHNOLOGY: COMPUTER NETWORKING AND CYBERSECURITY

HIGH SCHOOL IS HIGH TECH IN THIS CAREER-READY PROGRAM.

Computer networks are the backbone of 21st-century workforce and society. Every major industry forecasts double-digit growth in the hiring of networking professionals over the next 10 years.

Courses are taught by Cisco Systems-trained SUNY Adirondack professors and WSWHE BOCES educators, devoting equal time to hands-on learning and classroom instruction in cutting-edge facilities.



IT: Computer Networking students are trained as part of Cisco Networking Academy at SUNY Adirondack and have the opportunity to receive coveted Cisco certifications along with the nationally recognized A+ certification in hardware and software.

IT: COMPUTER NETWORKING AND CYBERSECURITY CAREERS:

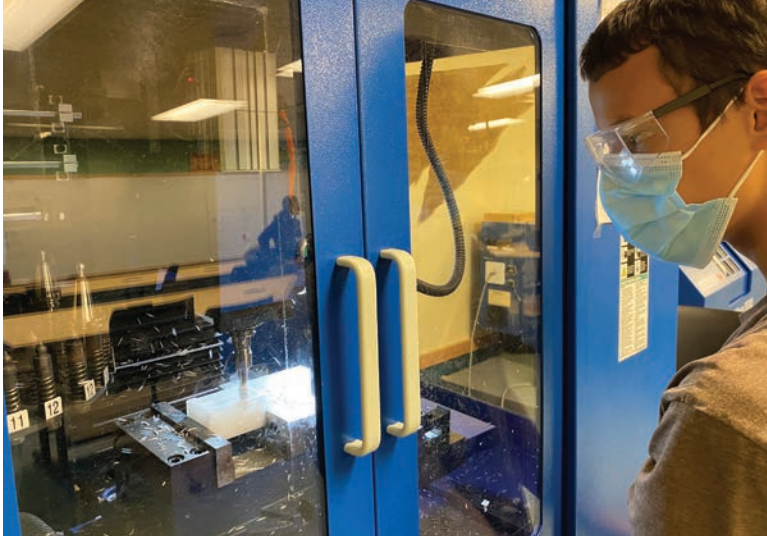
- IT support specialist
- Network support technician
- Computer support specialist
- Computer programmer
- System analyst and manager
- Customer service specialist





ADVANCED MANUFACTURING

BECOME AN ELITE “INDUSTRIAL ATHLETE” OF THE FUTURE.

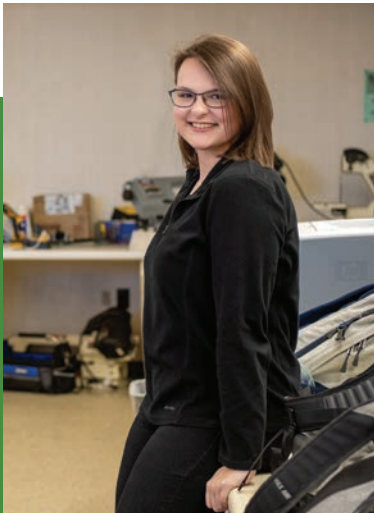


High school students in the Advanced Manufacturing/Mechatronics program have a unique opportunity to close the gap on skills employers in manufacturing seek from their workforce. Students work together to solve real-world problems while using state-of-the-art manufacturing, automation and control devices such as 3D printers, lathes and Programmable Logic Controllers (PLCs).

After completing the Advanced Manufacturing program, students have an opportunity to **earn the status of Certified Production Technician, a nationally recognized industry credential from the Manufacturing Skills Standards Council.**

ADVANCED MANUFACTURING CAREERS:

- Manufacturing technician
- Industrial product technician
- Fabrication specialist
- CNC machinist
- Robotics technician



“This gives us a creative outlet. We are assigned a set of things that need to be done and then are given the freedom to figure out what we want to do.

It teaches us to be an adult. There are so many opportunities to look at potential jobs and training for jobs that haven’t even been created yet.”

- Grace Valla, South Glens Falls, New York





NEW MEDIA

IF YOU CAN IMAGINE IT, YOU CAN CREATE IT.

Design your future with the New Media program. With the recent growth in web, social, mobile and general digital media, career prospects are at an all-time high for media arts students. Regardless of business or industry sector, having the ability to develop effective visual marketing and communication materials is essential.

Using a foundation of art theory and process combined with hands-on application of today's best hardware and software, students learn to design their own paths. **Students take a variety of courses, including Graphic Design, Photography and Web Design, to develop a foundational knowledge base of media arts.**

These skills are then employed in real-world scenarios, working with local businesses on projects in our community. At the same time, students design and build portfolios of their own artwork.



Upon completing this program, students have the ability to **become an Adobe Certified Associate**, which is internationally recognized, and earn SUNY Adirondack's Media Arts certificate.

NEW MEDIA CAREERS:

- Graphic design
- Photography
- Video editing
- Animation
- Illustration
- Web design
- Advertising
- Marketing



George Olsen met his design hero, Aaron Draplin, at SUNY Adirondack in 2017 and won the "Best in Sketch" Field Notes challenge. Olsen is an Early College New Media graduate from Schuylerville, New York.



CONNECTING & NETWORKING

AN EARLY COLLEGE CAREER ACADEMY ALUMNI STORY

Jovanni Mosca, a graduate from the Corinth school district,

learned the value of connections and networking — both literally and figuratively. A past student of Early College Career Academy (ECCA), a partnership between SUNY Adirondack and Washington-Saratoga-Warren-Hamilton-Essex BOCES, Mosca embarked on a unique curriculum in Information Technology: Computer Networking and Cybersecurity. His studies helped him make a difference at ECCA and in his community.

Mosca entered his senior year of high school already possessing important industry certifications. He attained a CompTIA A+ certification, and was the first student in the program's history to achieve CCENT Cisco certification as a

high school junior. The Cisco certification is usually a senior-year goal.

Mosca put his emerging IT and computer networking skills to good use. With the advice and guidance of his ECCA instructor, Gary Gordon, he donated his time to set up office equipment and computer networking for Angel Names Association, a 501(c)(3) organization that provides support services for families affected by stillbirth.

That work led to a summer internship with Gordon at the summer PTECH camp. There he helped campers with an interest in technology learn more about computer programming.

Gordon said, "I love seeing when kids have

the 'lightbulb' moment. It makes me happy to see them understand something new."

Gordon finds it rewarding to work with a student as dedicated as Mosca. He says that having someone from within the ECCA program intern at the PTECH camp allowed them to accomplish much more during the camp session.

Mosca planned to attain the next Cisco certification and continue to use his skills within the program, his school district and the community. Mosca attends Syracuse University in a Computer Science program. He is also part of the Renée Crown University Honors program.



**FOR MORE STORIES, FOLLOW
facebook.com/ADKECCA**

Jovanni Mosca, a graduate from the Corinth school district, is pictured with ECCA instructor Gary Gordon.





NEWS & UPDATES



Local authors Jesse, Joseph and James Bruchac, storytellers and part of the Abenaki Indian tribe, discuss their books during Saratoga Book Festival.

SARATOGA BOOK FESTIVAL & NEW MEDIA STUDENTS

In Fall 2021, Saratoga Book Festival organizers and ECCA New Media students came together for a Videography Production Industry Challenge.

The mission of Saratoga Book Festival is to celebrate reading and writing, and the power of books to inform, challenge, inspire and delight.

They assembled a vastly talented group of authors, poets and scholars across a variety of genres to present in several venues throughout Saratoga Springs over two days.

The New Media students' class assignment was to produce videos of the author events — record, edit and complete a video through full production. Students knew video quality, including audio, was key to creating these professional videos for authors.

A short overview of the tasks included setting up equipment and testing for sound and lighting, and ensuring sound quality and video clarity. Once put together, names, titles and graphics (book covers, logos, etc) were added. The videos were reviewed by instructors and Book Festival chairs to ensure details were correct.

The festival plans to keep the videos on its website to promote authors and future events.

Anne Rode, WSWHE BOCES administrator for Special Programs and Saratoga Book Festival Board secretary, said, **“This opportunity allows the students a true real-world experience: a live venue, real authors and receiving feedback from several sources on the work they created. There was a lot of value to each side and we hope to continue this partnership with the New Media class in subsequent festivals. We were very impressed with the students' knowledge and professionalism.”**





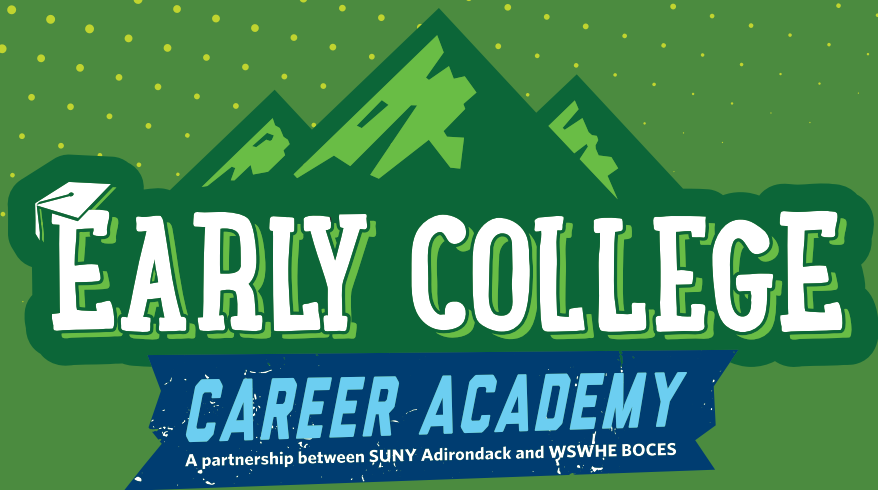
In 2021, 71 students from 26 school districts were recognized in the company of family members, WSWHE BOCES and SUNY Adirondack staff and faculty, BOCES Board of Education members and honored award presenters.

One student in the ECCA Class of 2021 will join the U.S. Navy; another plans to pursue the U.S. Air Force.

Other universities the students plan to attend are:

- SUNY Adirondack
- Monmouth University
- Siena
- Grand Canyon University
- SUNY Geneseo
- RIT
- SUNY Canton
- Western New England University
- University at Albany
- Massachusetts College of Art and Design





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