Program Guide
2022-2023
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Businesses today need trained and skilled employees. Universities require students to be educationally prepared. The need for students who are college and career ready is so great that businesses and educational institutions have taken this message to schools everywhere in order to develop graduates with appropriate work skills and knowledge. CTE students follow career pathways linking high school learning with college degrees, industry recognized certifications and connections between what is learned in the classroom and expectations in the employment field.

In 1948, the Oneida-Herkimer-Madison BOCES began its mission to educate students in various pathways for high school graduation. In 2018, we celebrated 70 years of preparing students to become technology leaders of the future. We have maintained active partnerships with the business community through our Advisory Council and program consultant committees. Our educational staff, area businesses, students and parents work together as a team to provide a meaningful educational experience for all of our students. This career and college readiness preparation includes on-the-job internship experiences, program instruction aligned to college curricula and college credit integration opportunities for students in traditional programs who meet select criteria.

Every year we conduct a student survey to assess where our students are employed or attending college. In the past three years, nearly 96% of graduates have reported successful outcomes including gainful employment in their program field or post-secondary studies at a variety of technical schools, colleges and universities.

In addition to the career and technical programs and integrated academic courses that OHM BOCES offers, we also provide New Visions courses that allow seniors to go on-site at participating businesses to learn about the field. More information about New Visions programs can be found in this publication.

If you are interested in a challenging and hands-on education, we invite you to look through these pages to learn how a career and technical education can be the key to your future.

David Stayton
Career and Technical Education Center programs prepare students for high wage, high demand careers and postsecondary education through the development of technical and transferable skills. Students enroll for two years in most programs to increase their college and employment potential after high school. However, students do have the option of enrolling in a program for one year.

Students attend one-half day in their Career and Technical Education Center program and one-half day at their home school. Working with state-of-the-art equipment, students apply theory to a wide range of real-life work assignments in the school’s shops and laboratories. We emphasize a positive mindset, employability skills and career research to prepare students for college and career readiness.

For more information, contact your school counselor, call us at 315.793.8666 or visit our website at www.oneida-boces.org/ctec to take a virtual tour and hear student testimonials regarding our outstanding programs!
“CTE gives me the real-world opportunity to work with actual patients. To add to my experience, it’s been great to meet students from other schools that have contributed to a strong learning experience.”

Trysta Perrotta, New Hartford Central School District

This course teaches students basic skills in the area of personal needs and develops the specialized skills required for patient comfort. After learning applied theory in the classroom, students practice nursing skills in the clinical laboratory in actual role-playing situations. Students then transfer their knowledge to the work environment, where they spend six weeks (100 clinical hours) gaining valuable experience. Once students complete the class, they are eligible to take the written and performance tests offered by the New York State Department of Health to become a Certified Nursing Assistant.

Scan the QR code to learn more about this program!

College Credit Available Through: Byrant & Stratton College
This program is designed to provide students with marketable skills to enter the field of cosmetology. Once the skills are acquired, students perform services for customers in a salon setting. With further training and experience, and upon completion of the required 1,000 hours, students are eligible to take the New York State Appearance Enhancement license exam.

“I love Cosmetology. The hands-on work helps me learn the material that I will use in the future.”

Alivia Alexander, Holland Patent Central School District

College Credit Available Through: Bryant & Stratton College

Scan the QR code to learn more about this program!
The two-year Criminal Justice program covers nearly all facets of public safety. The first year includes topics such as New York state penal, vehicle and traffic laws; criminal procedure law; accident investigation and reconstruction; incident command; fire fighting; criminal investigation; police patrol tactics; forensics; ballistics; cyber security; terrorism; firearm safety; and more.

The second year introduces seniors to the popular field of forensic science. Topics include crime scene investigation; anthropology; hair, fiber, soil and blood spatter analysis; and practical, hands-on activities. This program is designed to better educate and prepare students to be successful in an increasingly technical and competitive career.

“I love showing up for class every day. It has been an amazing experience. The fingerprinting process is really interesting. I can’t wait to learn about crime scene investigation!

Stephanie Grocholski, Holland Patent Central School District

College Credit Available Through: Byrant & Stratton College, Cazenovia College, Hilbert College, SUNY Canton, SUNY Morrisville
This program is designed for students interested in becoming commercial cooks for restaurants, hotels, hospitals or catering services. Cooking, menu planning, management skills, sanitation and safety practices and table service are covered in this program. Students receive practical experience preparing lunches, dinners and banquets for non-profit organizations. Each student also participates in an internship at a local restaurant or college dining facility. The program follows the Culinary Professional curriculum.

“Culinary Arts has opened my mind to new cultural dishes that I never knew existed and new recipes I never thought I would taste. We also get the chance to make the same dishes using different techniques learned in class. It’s a whole new learning experience for me.”

Asiyah Hunter,
New Hartford Central School District

College Credit Available Through:
Alfred State, Culinary Institute of America, SUNY Cobleskill
Early Childhood Education students engage in a variety of learning opportunities, including dual credit courses through Mohawk Valley Community College, that lead to practical experience with daycare, preschool, and elementary classrooms. Students will operate a laboratory nursery school under the direction of the program’s teacher at the Career and Technical Education Center. Students gain practical experience working in internships at local elementary schools and daycare centers.

By the end of the program, students will have college credits and invaluable experience that will prepare them for the early childhood education field.

“I really like the people in my program and the group work we do to engage with the content. This program gives me the chance to start fulfilling my dream of becoming an elementary school teacher.”

Brianna Howe, Clinton Central School District

Scan the QR code to learn more about this program!

College Credit Available Through: SUNY Canton, Mohawk Valley Community College (Dual-Credit Agreement)
Students in the Animal Science program study animal behavior, safe handling and restraint, anatomy and physiology, small animal care and management, health and disease, nomenclature and veterinary terminology. Students will also visit sites to view first-hand how animal science applies to a variety of jobs and occupations.

“I really love how Mrs. Daley brings in animals so students can work with them. This creates a hands-on experience that allows me to further my education.”

Teaghan Fox, Remsen Central School District

College Credit Available Through: SUNY Cobleskill
The Conservation program emphasizes the skills and knowledge required for success in the many conservation-related careers. The course is a blend of classroom instruction and hands-on outdoor learning, with the importance of a favorable work ethic stressed. Students acquire skills in forestry, fish and wildlife management; heavy equipment operation; timber harvesting; chain saw operation and maintenance; tree climbing; map and compass; GPS; surveying and more. In our greenhouse, students become skilled in hydroponics, aquaculture and plant propagation.

“In Conservation, there are a ton of opportunities to engage, including learning how to produce maple syrup, survey land, and operate heavy machinery.”

Justin Jennings, Westmoreland Central School District

College Credit Available Through: Bryant & Stratton College, Paul Smith’s College
This is a two-year course offering an overview of graphic arts’ fields including advertising, design, illustration, logo and symbol design, computerized graphic design, basic web page design and typography. First-year students learn design principles, advertising and marketing theories, basic computer operations and introduction to design software packages.

Second year students create independent design projects in areas of interest including audio production, video production, digital photography and web page design.

“I really like how our teacher encourages creativity and the collaborative nature of the class. This allows me to work with my teammates and see the different styles students are using to complete their projects.”

Jase Smith, Westmoreland Central School District

College Credit Available Through: Bryant & Stratton College, SUNY Canton, Mohawk Valley Community College (Dual-Credit Agreement)
The Auto Body Repair program offers students specialized training from an experienced auto body instructor. The course provides students with an overview of all facets of auto body repair.

Topics range from small dent repair to custom painting, incorporating automotive welding and collision repair.

“I like the hands-on experience because our class feels like an auto body shop. This will set me up for success when I pursue work in the auto body field.”

Sarah Boykin, P-TECH, Utica City School District

College Credit Available Through: Alfred State, SUNY Canton, SUNY Morrisville
Students in Automotive Technology learn to diagnose, service and repair many different systems in today’s vehicles. Students also learn about computerized engine controls, emission controls, wheel alignment and how to perform New York State vehicle inspections.

This NATEF (National Automotive Technician Education Foundation) certified program provides an excellent foundation to enter an automotive college program or the workforce.

“In Auto Tech, we’re learning how to work with alternators, electrical systems and starters. All the opportunities at CTEC give you the chance to do hands-on work that will help you with real life. The opportunities are endless.”

Carter Sonia,
Waterville Central School District

College Credit Available Through:
Alfred State, SUNY Canton, SUNY Morrisville,
University of Northwestern Ohio

Scan the QR code to learn more about this program!
The Construction Trades program teaches basic skills in residential construction as students gain experience in foundation work, rough framing, roofing, siding, drywall, solar panel installation and our newly expanded modules of plumbing and masonry. Students learn how to use and maintain trade tools properly and safely. In addition, they receive instruction in building codes, blueprint reading and the application of trade math. A great emphasis is placed on hands-on learning through various projects on and off campus.

“I like seeing how the final product comes together in Construction Trades. This process is done by getting out of my seat, problem-solving with my classmates and trying new tools. It’s really fun.”

George (Leo) Cruz,
New York Mills Union Free School

College Credit Available Through:
Byrant & Stratton College, Cazenovia College, Hilbert College, SUNY Canton, SUNY Morrisville
Electricians install, maintain and troubleshoot electrical systems and equipment in homes, offices, institutions and industrial plants. Students learn residential, light commercial and industrial wiring through a variety of hands-on activities and projects. During the second year of the program, students will also receive instruction in solar photovoltaics using state-of-the-art equipment.

“I took Electricity to learn a skill I could use in the future. The hands-on approach enhances my ability to learn the material.”

Ryan Graziano, P-TECH, Oriskany Central School District

College Credit Available Through:
Alfred State, Culinary Institute of America, SUNY Cobleskill
This two-year course teaches computer repair and basic networking fundamentals during the first year. This includes hardware and software installation, PC hardware devices and end user support, problem solving, troubleshooting, telecommunications protocols and network support.

Second year students will learn advanced networking technologies and gain exposure to the field of information system security including issues faced by homes and businesses, the types of damage they may cause and prudent security measures to counteract them.

Students will learn basic terminology involved in cyber security, describe various threats and identify potential security technologies to combat these threats.

With today's emerging technologies, all types of businesses and industries face information system security issues, making knowledge of computer security a high demand area. With further training and experience, students completing this program have the opportunity to take certification exams in A+, N+ and Security+, thereby greatly increasing their employment potential.

“I was looking for an opportunity to learn more about computers. On day one, we had computers in our hands, and it became clear that Emerging Technologies would open this door for me. It’s been really fun.”

Luke Filler,
Waterville Central School District

College Credit Available Through:
SUNY Canton, SUNY Morrisville

Scan the QR code to learn more about this program!
MiTech (Modules of Integrated Technologies) is a career exploration and skills development program for 9th or 10th-grade students with academic needs who are preparing to enter traditional career and technical education programs. Students will engage in real-life tasks allowing them to apply knowledge and information, accrue work-based learning hours, develop skills in craftsmanship, build self-esteem, and develop good work habits and work ethic.

Students may receive English, math, and two career and technical education credits. Program modules may include auto body repair, automotive technology, carpentry, culinary, horticulture, small engine repair and welding. Students will also have the opportunity to visit additional CTE courses to help them identify other courses of potential interest.

“In MiTech, we learn different skills in the trades that will benefit us in the real world. Teachers give you individual time in smaller classes that have helped my progress in academics and the trades. Overall, during my time in the program, I’ve learned how to be a better person.”

Tyler Royce,
Clinton Central School District

Scan the QR code to learn more about this program!
In the Outdoor Power/Recreational Equipment Technology program, students learn to repair, rebuild and tune up several basic types of engines. These engines can be found on equipment such as snow blowers, lawn mowers, rototillers, farm tractors, construction equipment, motorcycles, jet skis and snowmobiles. Students also learn metal skills, including electric arc, MIG and oxyacetylene welding.

“In Outdoor Power, I really like the hands-on learning experiences provided by our great teacher, Mr. Pilbeam. In the class, we learn how to fix equipment, giving me a strong skill set for the future.”

Santino Guiliano,
Notre Dame

Scan the QR code to learn more about this program!

College Credit Available Through:
SUNY Canton, SUNY Cobleskill, Paul Smith’s College
P-TECH  
(PATHWAYS IN TECHNOLOGY  
EARLY COLLEGE HIGH SCHOOL)

Pathways in Technology Early College High School (P-TECH) is a program offering an integrated high school and college curriculum focusing on science, technology, engineering, art and mathematics (STEAM), while also providing workplace skills including leadership, communication and problem solving.

This program will enroll freshmen in a flexible (four, five, or six-year) program combining academic rigor and career focus with graduates earning a high school diploma and an accredited associate’s degree. Students will experience internships with P-TECH business and industry partners and, upon graduation, will be regarded as viable candidates for employment with these partnering agencies.

Enrollment for this program is conducted through an application process in collaboration with the districts we serve. Students have the opportunity to fulfill Regents diploma requirements (22 high school credits) and earn 64 college credits in one of the ten P-TECH associate degree pathways offered.

“At P-TECH, I have been given the opportunity to work with teachers and students that are very supportive of my learning. It has also given me the confidence and skills to thrive at Mohawk Valley Community College where I will receive my degree in Business Administration. It has been an empowering experience.”

Jesse Holmes,  
Westmoreland Central School District

Scan the QR code to learn more about this program!
“I really like Mr. Campbell - he is my favorite teacher, ever. The resources we work with are outstanding. We even have a state-of-the-art CNC machine that gives us exposure to real-world resources.”

Ethan Darby, New Hartford Central School District

Welding students learn to construct and repair equipment, machinery, parts and piping by fusing metal parts together. Students follow layouts, blueprints, work orders and verbal directions using oxyacetylene, MIG, TIG or arc welding apparatus. Eligible students can take a test required for specific welding certifications.

College Credit Available Through:
Alfred State, SUNY Canton, Mohawk Valley Community College, Paul Smith’s College
The New Visions Business Management program offers students the opportunity to explore a variety of business professions at local establishments. Students develop competencies useful in a wide range of careers within the business field.

This program is designed to integrate English and social studies into the curriculum through a variety of learning experiences.

“I think New Visions is an excellent program. It has helped me make new connections to other people and opened up opportunities that have made this an awesome experience.”

Cecilia Laptertosa, Whitesboro Central School District

Scan the QR code to learn more about this program!
NEW VISIONS (SENIORS ONLY)
COMMUNICATIONS

The New Visions Communications program gives students the opportunity to work in a variety of communications settings, which include public relations, marketing, journalism, television and radio. This program is designed to integrate English and social studies into the curriculum through a variety of learning experiences.

Students completing any of the New Visions programs will have the opportunity to receive four credits, including one in English 12, one in Government and Economics and two in Career and Technical Education.

Scan the QR code to learn more about this program!
The New Visions Education program provides students the opportunity to explore all aspects of the education profession. Through internships, students will get to see first-hand what classroom teachers and other related staff do on a day-to-day basis. Instruction in the history and philosophy of education will be included in the curriculum, in addition to English and social studies.

“I wanted to gain the experience of working with students of different grade levels. The experience I’ve gained working with and teaching elementary school students has been so beneficial to my educational journey.”

Amber Decker, Remsen Central School District

Scan the QR code to learn more about this program!
New Visions Engineering Technology is an innovative program that gives high school seniors an in-depth look at the different areas of engineering before they enter college. Working with professionals in the field allows students to experience the daily work routine. This program is designed to integrate English and social studies into the curriculum through a variety of learning experiences.

The New Visions programs also offer three college credits from MVCC in their English 101 course and the opportunity to secure additional college credits in Personal Finance. This is at no cost to students.

Scan the QR code to learn more about this program!
The New Visions Health Professions program is open to seniors who plan to enroll in post-secondary two- or four-year colleges to study in a health-related field. Students in the program explore a variety of health occupations on site at local hospitals and other health facilities. Students develop competencies useful in a wide range of careers within the health field.

Through observations within various departments, students learn what is required of a health professional on a daily basis. English and social studies are also integrated into the curriculum.

“I’ve gained tremendous experience through the New Visions: Health Professions program. The ability to stand at a patient’s bedside during their hardest and most life-changing days has truly been an honor. I look forward to pursuing a career as a Registered Nurse, and this program has only solidified that decision.”

Lance Daley,
Holland Patent Central School District

Scan the QR code to learn more about this program!
NEW VISIONS (SENIORS ONLY)
LEGAL PROFESSIONS

The New Visions Legal Professions program provides an opportunity to explore a variety of legal professions at private and public offices, as well as city and family courts located in Oneida County. This program is designed to integrate English and social studies into the curriculum through a variety of learning experiences.

“New Visions gives me the opportunity to learn more about the legal field and further my interest in law. I’ve learned that the legal field is so much more than being an attorney.”

Sara Brean,
Brookfield Central School District

Scan the QR code to learn more about this program!
This is a one-year program for seniors that offers the students the opportunity to explore the various aspects of veterinary science and the possible career options in the field. General areas of instruction include animal behavior, animal handling and restraint, species and breed identification, animal anatomy and physiology, basic lab techniques, animal care, animal welfare, animal health and disease. Students will participate in internship programs at various types of animal care facilities.

Students wishing to pursue a college education in animal science will have to be exposed to the basic knowledge and terminology needed for majoring in animal science or veterinary medicine. Prerequisites for the class are Living Environment and Chemistry.

“As a former Animal Science student, I was very interested in pursuing the New Visions Veterinary Sciences program. During my time in the program, the internships have been valuable to see different techniques used when dealing with animals throughout the industry. I am confident the knowledge I learned at BOCES will help me pursue my dream of becoming a veterinarian technician.”

Michelle Jennings,
Sauquoit Valley Central School District
This program provides basic instruction in automotive technology and auto body repair. Students will learn to service and repair systems of vehicles, as well as topics of small dent repair and custom painting.

Survey results show that 75 percent of our graduates continue their training at post-secondary institutions; this information is also supported by statewide CTE data.

Scan the QR code to learn more about this program!
The Food Service program allows students to receive basic instruction in the food service industry through select course offerings. Students learn theory and receive practical experience in quantity preparation for large groups and short order cooking.

CTE programs are designed to fill the shortage of 6.5 million skilled workers in the United States, giving students tangible skills they can immediately use in the workforce.

Scan the QR code to learn more about this program!
Multi-Occupations is a program offering career exploration and skills development to encourage and challenge students to discover their abilities and interests. Hands-on tasks in several occupational clusters provide real work opportunities that may include shadowing and internship experiences. Classroom instruction stresses the importance of basic academic skills. Clusters focus on employability, independent living, social and safety skills to participate within the home and community.

The Career and Technical Education Center offers a wide variety of extracurricular activities through its clubs and organizations.

Turn to page 36 to learn more about the clubs and activities, or visit our website.

Scan the QR code to learn more about this program!
The School and Business Alliance utilizes several career development strategies to assist students in making successful transitions from school to post-secondary studies to a successful career: career shadowing, business speakers and tours, college tours and summer work opportunities.

The Regional Program for Excellence internships offer highly motivated high school juniors and seniors opportunities to explore their career choices in a work setting with respected professionals. Students complete 75 hours by receiving release time from their classes to meet with mentors for a weekly three-hour block or during summer months.
Internships
During school hours, a student may be assigned to observe and participate in a variety of activities related to his/her curriculum at an off-campus site. Students do not receive wages and may not replace a paid employee.

New Visions Internships
Students in the New Visions program typically spend three to four days a week in workplace internships in the business management, communications, education, engineering technology, health, legal and veterinary science fields. One to two days each week is spent in the classroom working on related curriculum projects, listening to guest speakers, or taking virtual field trips.

Direct Job Placement
The Career and Technical Education Center works closely with area businesses to identify students who are prepared for direct job placement, for either full- or part-time work, or summer employment.
Regents Diploma with a Technical Endorsement

Most Career and Technical Education programs at the Oneida-Herkimer-Madison BOCES are approved by the State Education Department. If students successfully complete the CTE program, complete 22 units of high school credits, pass the five required Regents examinations, and pass a technical assessment (which is part of the CTE program), students are eligible to receive the Regents diploma with a technical endorsement.

High School Credit

For each successfully completed year, you can receive four credits. For a one-year program, you can receive four Career and Technical Education (CTE) credits or three CTE credits and, with home school approval, one credit of English 12. For a two-year program, you can receive eight credits. These can be eight CTE credits or (with home school approval) five, six, or seven CTE credits and up to three academic credits including English 12, math, and science. See your high school counselor for more information.

College Credit Integration

All of the New Visions programs offer three college credits from MVCC for English 101 and Personal Finance. This is at no cost to students. Seniors in Conservation can pay a reduced fee and be eligible to receive three college credits from SUNY Morrisville in their Environmental Science (ENSC 100) course.

Articulation

Through articulation agreements between a post-secondary institution and the Oneida-Herkimer-Madison BOCES, students may gain advanced standing in certain programs and, for others, actual credit for a college-level course. The terms of the articulation generally include the following: students must have completed the CTE course within the past school year, maintained a B average or better, demonstrated excellent attendance and received recommendation from the CTE instructor. For more specific information, contact the BOCES CTE counseling department at (315) 793.8618 or (315) 793.8660. All Career and Technical Education programs have established articulation agreements with local colleges and trade schools.
Skills USA
Skills USA offers leadership and citizenship development to complement the CTE student’s skill training. Members may also participate in local, state and national Skills USA competitions.

FFA Conservation Club
The National FFA organization is the oldest vocational organization in the United States and is recognized by the federal government as an important part of vocational education. FFA promotes leadership development through activities that benefit students and the community. Students gain valuable leadership experience toward success in the workforce. Membership is open to any BOCES CTE student.

Advisory Council Representatives
At the Career and Technical Education Center your opinions count. To make sure student perspectives are heard and considered when important decisions are made, two students are selected each year as members of the Career and Technical Education Advisory Council. These students attend all council meetings and actively take part in all discussions.

Honor Society
Each May, outstanding students are inducted into the Career and Technical Honor Society. They are students who have shown excellent academic achievement in their Career and Technical program, good attendance, active participation in organizations, and a serious interest in a vocational or technical field. All students, including adult students, are eligible if they meet the requirements.
SCHOLARSHIPS & AWARDS

OHM BOCES Career and Technical Education students are eligible to compete for several scholarship and awards thanks to the generous contributions of the following sponsors:

Airgas East
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CTEC Honor Society
Carlo Masi
Cazenovia Equipment Co.
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MVCC Foundation
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New York State Woodsmen’s Field Days
Northern Safety
OHM BOCES Teachers’ Association
Sam Cavo Award
Skills USA
Slocum Dickson Foundation
Stiefvater Distributors, Inc.
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Whitestown Sons of the American Legion
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Brookfield • Clinton • Holland Patent • New Hartford • New York Mills • Oriskany
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www.oneida-boces.org/ctec