2020-2021
Career & Technical Education
Program & Course Catalog
CV-TEC
Championing Educational Services
CV-TEC for 21st Century Careers
Public Non-Discrimination Notice:
Clinton-Essex-Warren-Washington BOCES a/k/a/ Champlain Valley Educational Services does not discriminate on the basis of race, color, national origin, sex, disability, age or any other legally protected status in its programs, activities, employment and admissions; and provides equal access to the Boy Scouts and other designated youth groups.
Inquiries regarding this nondiscrimination policy may be directed to:

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WELCOME TO CV-TEC

As the Director of Career & Technical Education, I am proud to welcome you to CV-TEC. The CV-TEC Division of Champlain Valley Educational Services offers a wide range of Career & Technical Education (CTE) Programming, Adult Literacy Programming, and Continuing Education Programming for our school districts and community members of Clinton and Essex Counties.

CV-TEC has a rich history in the North Country and we are proud and committed to continuing the tradition of excellence on all of our CV-TEC campuses and locations.

Team CV-TEC is dedicated to a collaborative approach for excellence in Career & Technical Education. It is the CVES mission that “CVES empowers students, schools and communities by providing exemplary education, training, support and shared services,” and the mission of the CV-TEC Division “to prepare students for success in careers and life-long learning including post-secondary education.”

Team CV-TEC is dedicated to our mission and committed to continuing and intensifying the long standing tradition of excellence at CV-TEC. With our mission in mind, each student’s individual needs is what will drive and direct our educational programming and fuel our desire to continually improve our efforts to serve our students, component districts, business & industry partners and our surrounding community.

I would like to personally extend an invitation to meet with you in person, arrange for you to tour our facilities, and to discuss the opportunities available to our community here at CV-TEC.
CV-TEC DIVISION OVERVIEW

CV-TEC, the Career and Technical Education (CTE) Division of CVES, is the primary provider of Career and Technical Education and Adult Literacy programs and services for secondary and postsecondary (adult) students in Clinton & Essex Counties. The CV-TEC Division offers programs and services on four campuses: the Plattsburgh Main Campus and the Plattsburgh Satellite Campus are both located in Clinton County and the Mineville Campus located in Essex County all provide CTE Programming for secondary and postsecondary students; the OneWorkSource Campus location in Plattsburgh provides Literacy, High School Equivalency (HSE) and Job Skills Training (JST) programs for adult students.

All CV-TEC CTE two-year programs are approved by the New York State Education Department (NYSED) as CTE Approved Programs of Study. Core academic instruction is an integral part of all of the CTE Programs of Study as well as 21st Century & Work Readiness Skills development. Students successfully completing their program will earn high school credit toward graduation requirements, advanced college credit, industry certifications/credentials/licenses, participate in work-based learning activities (including paid and unpaid work experiences) and are eligible for the NYSED Advanced Regents Designation: Career and Technical Education (CTE) Endorsement Seal on their High School Regents Diploma after passing a rigorous national or state industry assessment.

In addition, the CV-TEC Division offers comprehensive programming for Adult & Continuing Education and specialized Business & Industry Training. Online High School courses are also available for interested students.
All CV-TEC CTE Programs provide hands-on, real-world training in nearly thirty career fields. CTE combines core academic content with technical skills development to prepare students for the world of work, post-secondary education, or both!

**All CTE Programs of Study Include:**

**NYS Advanced Regents Designation/CTE Endorsement**

Students who successfully complete and pass the designated Technical Assessment and all New York State Education Department (NYSED) graduation requirements including completion of the two-year NYSED Approved CTE Program of Study may earn an Advanced Regents Designation/CTE Endorsement on their high school diploma.

**College Articulation/Dual Credit**

All CTE Programs have the opportunity for students to earn college credit while still in high school and/or earn college credit at a partner postsecondary institution after high school graduation.

**Core Academic Courses**

While learning at CV-TEC, core academic content is integrated within each program. Students can earn high school credit to satisfy NYSED graduation requirements.

**Work-Based Learning**

Students have the opportunity to participate in activities that connect classroom learning with real-world industry requirements. CV-TEC has over 250 business & industry partners providing state-of-the-art experiences for our students.

**Industry Certification/Credentials & Licensure**

Our programs prepare students to satisfy requirements and to earn local, state, and national certification/credentials/licenses in their training field.

**National Work Readiness Credential (NWRC)/21st Century Learning (NYS CDOS Credential)**

All students have the opportunity to earn a nationally recognized workplace readiness credential while completing their training. Students who successfully complete the assessment (and/or minimum work based learning hours) will also earn the NYS CDOS (Career Development & Occupational Skills) Credential.
WHAT YOU NEED TO KNOW ABOUT CV-TEC CTE PROGRAMS

When can I start taking a CTE Program at CV-TEC?

Most students are scheduled for a CV-TEC CTE Program when they are in the 11th grade. Your home district school counselor can review the different options with you. Additional questions can be answered by calling the CV-TEC Student Services office at (518) 561-0100 ext 240.

Would I come to CV-TEC every day? How will I get there?

Classes are offered every day in two sessions. Your home district is responsible for providing transportation to and from the CV-TEC campus location.

- **AM Session** 8:30 a.m. - 11:25 a.m.
- **PM Session** 12:00 p.m. - 2:55 p.m.

Can I choose whether I take an AM or PM program?

That depends on your home district’s scheduling needs and program availability. The session you attend is a decision you make with your home district school counselor.

Can I get work experience in my chosen field while attending CV-TEC?

Yes, every CV-TEC CTE Program consists of both technical theory and hands-on experiential components to prepare students for their chosen field. Off-campus work is also available during the two-year program. The Work Based Learning Coordinator will assist in placing students with business mentors in both paid and/or unpaid work experiences. During their senior year, these students may report directly to their work sites up to three days per week where they are evaluated by their business mentors.

Are all CV-TEC CTE Programs two-year programs?

No, our CV-TEC New Visions: Medical Careers and New Visions: Applied Engineering Programs are one-year, competitive application programs for high school seniors only. Students must apply for entry into the New Visions Program during their junior year. We also offer Pre-CTE Programs for students in grades 9 - 12 which provide service-level introductory training for students.
Are CV-TEC CTE Programs credit bearing?
Yes, all CV-TEC CTE Programs have been approved by NYSED for up to five high school credits per year towards high school graduation requirements. Successful completion of a CTE program can meet core academic requirements and also fulfill the requirement for one unit of Career and Financial Management.

I want to participate in after-school activities at my home school. Can I still do that?
Yes, you can still participate in activities and sports while attending CV-TEC. The session you decide to take is a decision you make with your home district school counselor.

Are there any costs involved in attending CV-TEC?
Tuition, text books, and transportation are covered by your home school district. Some programs require the purchase of uniforms, work boots, safety glasses, or personal tools that are paid for by the student. Financial assistance may be available to qualified students to cover the cost of required uniforms, supplies, and tools. Contact your CV-TEC school counselor for specific program information.

Can CV-TEC CTE Programs prepare me for post-secondary education?
Yes, CV-TEC students can earn college credits through articulation agreements (page 10) and dual credit options with various colleges. The CV-TEC Student Services Department can provide you with the most current and up-to-date information on articulation agreements.

How do I enroll?
Enrollment into a CV-TEC CTE Program is completed at your home school district’s guidance office. Post-secondary student enrollment is completed at the CV-TEC Student Services office at the CV-TEC Plattsburgh Main Campus.
STUDENT ACTIVITIES

**NTHS - National Technical Honor Society**
The National Technical Honor Society recognizes, honors and encourages CTE students who excel at their career and technical studies and who possess good character and attitude. In order to qualify for a nomination, a student must maintain a minimum of a 90% grade point average or better in their CTE program, a minimum of 93% attendance and must receive a nomination from their CTE Teacher. Students who meet the criteria and successfully complete the nomination and evaluation process are inducted in a formal candlelight ceremony each Spring.

**SkillsUSA**
SkillsUSA is a student leadership organization for students enrolled in any of the CTE Programs. It is a partnership of students, teachers, and business & industry working together to ensure America has a skilled workforce. The national organization promotes leadership, life-long learning, and dignity of work. The local chapter focuses on teamwork and character development through skills competitions and community service. Each Spring, selected students have the opportunity to compete against other New York State CTE students in their technical training area.

**North Country Loggers**
The North Country Loggers Club is designed for students training in the Environmental Conservation and Forestry Program. The North Country Loggers focuses its efforts on community service, industry based competitions and CV-TEC leadership opportunities.
<table>
<thead>
<tr>
<th>CV-TEC Career &amp; Technical Education (CTE) Program</th>
<th>Articulated College Agreements</th>
<th>Dual Enrollment College Agreements</th>
<th>NYS Licensure or Corporate/ National Association Certification</th>
<th>Approved High School Integrated Academic Credit NYSED Regulations: (100.5(6), 100.5(7)) (Maximum, 10 Credits)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allied Health</td>
<td>Clinton Community College, 7 cr. (CV-TEC LPN Program, 10 hours)</td>
<td>Clinton Community College, 3 cr. North Country Community College, 3 cr.</td>
<td>CNA, EKG, First Aid/ CPR Certifications; Phlebotomy Certification Prep; OSHA-10: Healthcare; NWRC/ 21st Century Skills**</td>
<td>CTE English; CTE Health; CTE Mathematics; CTE Science; CFM*; NYSED CDOS Credential</td>
</tr>
<tr>
<td>Animal Science: Large Animal Production</td>
<td>Clinton Community College, 3 cr. SUNY Canton, 2 cr. SUNY Cobleskill, 6 cr. SUNY Delhi, 3 cr.</td>
<td>Clinton Community College, 3 cr. SUNY Morrisville, 6 cr.</td>
<td>OSHA-10: Agriculture; NWRC/ 21st Century Skills**</td>
<td>CTE English; CTE Health; CTE Mathematics; CTE Science; CFM*; NYSED CDOS Credential</td>
</tr>
<tr>
<td>Animal Science: Veterinary Assistant</td>
<td>Clinton Community College, 3 cr. SUNY Canton, 2 cr. SUNY Cobleskill, 6 cr. SUNY Delhi, 3 cr.</td>
<td>Clinton Community College, 3 cr.</td>
<td>NWRC/ 21st Century Skills**</td>
<td>CTE English; CTE Health; CTE Mathematics; CTE Science; CFM*; NYSED CDOS Credential</td>
</tr>
<tr>
<td>Automotive Collision Repair</td>
<td>Clinton Community College, 3 cr. Lincoln Technical Institute SUNY Canton, 5 cr. UFI, Proficiency Credit or $1000 tuition Wyotech, Scholarship Available</td>
<td>Clinton Community College, 3 cr.</td>
<td>ASE Certification Preparation; Auto Lift Institute Certification; NWRC/ 21st Century Skills**</td>
<td>CTE English; CTE Mathematics; CTE Science; CFM*; NYSED CDOS Credential</td>
</tr>
<tr>
<td>Automotive Technology</td>
<td>Clinton Community College, 3 cr. Lincoln Technical Institute SUNY Canton, 3 cr. SUNY Delhi, 7-12 cr. University of N.W. Ohio, 6 cr. UFI, Proficiency Credit or $1000 tuition Wyotech, Scholarship Available</td>
<td>Clinton Community College, 3 cr. North Country Community College, 3 cr.</td>
<td>ASE Certification Preparation; NYS Inspection Licensure; Auto Lift Institute Certification; OSHA-10: General Industry; First Aid/ CPR Certification; NWRC/ 21st Century Skills**</td>
<td>CTE English; CTE Mathematics; CTE Science; CFM*; NYSED CDOS Credential</td>
</tr>
<tr>
<td>Business &amp; Health Management</td>
<td>Clinton Community College, 3 cr. North Country Community College, 3 cr.</td>
<td>Clinton Community College, 3 cr.</td>
<td>First Aid/ CPR, AED Certifications; NWRC/ 21st Century Skills**</td>
<td>CTE English; CTE Mathematics; CFM*; NYSED CDOS Credential</td>
</tr>
<tr>
<td>Construction Trades</td>
<td>Clinton Community College, 3 cr. SUNY Delhi, 6 cr.</td>
<td>Clinton Community College, 3 cr. North Country Community College, 3 cr.</td>
<td>OSHA-10: Construction; First Aid/ CPR Certification; NWRC/ 21st Century Skills**</td>
<td>CTE English; CTE Mathematics; CTE Science; CFM*; NYSED CDOS Credential</td>
</tr>
<tr>
<td>Cosmetology</td>
<td>Clinton Community College, 3 cr. North Country Community College, 3 cr.</td>
<td>Clinton Community College, 3 cr.</td>
<td>NYS Licensure; OSHA-10: Cosmetology; First Aid/ CPR Certification; NWRC/ 21st Century Skills**</td>
<td>CTE English; CTE Health; CTE Mathematics; CTE Science; CFM*; NYSED CDOS Credential</td>
</tr>
<tr>
<td>Culinary Arts Management</td>
<td>Clinton Community College, 3 cr. North Country Community College, 3 cr.</td>
<td>Clinton Community College, 3 cr.</td>
<td>National Restaurant Association (NRA), Serv Safe, and First Aid/ CPR Certifications; NWRC/ 21st Century Skills**</td>
<td>CTE English; CTE Health; CTE Mathematics; CTE Science CFM*; NYSED CDOS Credential</td>
</tr>
<tr>
<td>Digital Art &amp; Design</td>
<td>Art Institute of Pittsburgh, 12 cr. Clinton Community College, 3 cr. Cornell University, Experiential Credit Culinary Institute of Arts, Experiential Credit Johnson &amp; Wales, 45 cr. SUNY Canton ATC, 6 cr. (Hospitality &amp; Resort; Marketing) New England Culinary Institute, Proficiency Credit Paul Smiths College, 6 cr. SUNY Cobleskill, 2-11 cr. SUNY Delhi, 10 cr. SUNY Plattsburgh, Experiential Credit Schenectady Community College, 3 cr. Other: numerous out-of-state credit opportunities United States Army, promotion to E-4</td>
<td>Clinton Community College, 36 cr. SUNY Canton, 15 cr. SUNY Delhi Community College, 2-16 cr. Alfred State (Pending) SUNY Cobleskill, 4 cr. (CCNA) North Country Community College, 6 cr. SUNY Plattsburgh, 6 cr. (Pending) Other: Proficiency Tests Offered by College</td>
<td>NWRC/ 21st Century Skills**</td>
<td>CTE English; CTE Mathematics; CTE Science; CFM*; NYSED CDOS Credential</td>
</tr>
<tr>
<td>Early Childhood Education</td>
<td>Clinton Community College, 9 cr. SUNY Canton, 3 cr. SUNY Cobleskill, 3 cr. Herkimer Community College, 6 cr.</td>
<td>Clinton Community College, 3 cr.</td>
<td>First Aid/ CPR Certifications; Child Development Associate (CDA) Credential Preparation; NWRC/ 21st Century Skills**</td>
<td>CTE English; CTE Health; CTE Mathematics; CTE Science; CFM*; NYSED CDOS Credential</td>
</tr>
<tr>
<td>Electrical Design, Installation &amp; Alternative Energy</td>
<td>Clinton Community College, 18 cr. Lincoln Technical Institute SUNY Delhi, 4 cr.</td>
<td>Clinton Community College, 3 cr.</td>
<td>CTE English; CTE Mathematics; CTE Science; CFM*; NYSED CDOS Credential</td>
<td></td>
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<tr>
<td>CV-TEC Career &amp; Technical Education (CTE) Program</td>
<td>Articulated College Agreements</td>
<td>Dual Enrollment College Agreements</td>
<td>NYS License or Corporate/ National Association Certification</td>
<td>Approved High School Integrated Academic Credit NYSED Regulations: 100.5(6), 100.5(7) (Maximum, 10 Credits)</td>
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<tr>
<td><strong>Environmental Conservation &amp; Forestry</strong></td>
<td>Clinton Community College, 7 cr. Paul Smiths, 3 cr.</td>
<td>Clinton Community College, 3 cr. North Country Community College, 3 cr.</td>
<td>Level I Game Logging; First Aid/ CPR Certifications; OSHA-10: Construction; NWRC/ 21st Century Skills**</td>
<td>CTE English; CTE Mathematics; CTE Science; CFM* NYSED CDOS Credential</td>
</tr>
<tr>
<td><strong>Graphic Design &amp; Communications</strong></td>
<td>Art Institute of Pittsburgh, 3 cr. Clinton Community College, 15 cr. SUNY Canton, 9 cr. SUNY Cobleskill, 6 cr. Mohawk Valley Community College, 9 cr. North Country Community College, 9 cr.</td>
<td>Clinton Community College, 3 cr.</td>
<td>First Aid/ CPR Certification; NWRC/ 21st Century Skills**</td>
<td>CTE English; CTE Mathematics; CFM* NYSED CDOS Credential</td>
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<tr>
<td><strong>Heavy Equipment/ Diesel Mechanics</strong></td>
<td>Clinton Community College, 3 cr. SUNY Canton, 5 cr. University of N.W. Ohio, 6 cr. UTI, Proficiency Credit or $1000 tuition Wyotech, Scholarship Available</td>
<td>Clinton Community College, 3 cr. North Country Community College, 3 cr.</td>
<td>Auto Lift Institute Certification; OSHA-10: General Industry; First Aid/ CPR Certification; NWRC/ 21st Century Skills**</td>
<td>CTE English; CTE Mathematics; CTE Science; CFM* NYSED CDOS Credential</td>
</tr>
<tr>
<td><strong>Marine Technology</strong></td>
<td>Clinton Community College, 3 cr. SUNY Canton, 6 cr. Lakes Region Community College, 3 cr. SUNY Delhi, 7 cr.</td>
<td>North Country Community College, 3 cr.</td>
<td>Auto Lift Institute Certification; OSHA-10: General Industry; First Aid/ CPR Certification; NWRC/ 21st Century Skills**</td>
<td>CTE English; CTE Mathematics; CTE Science; CFM* NYSED CDOS Credential</td>
</tr>
<tr>
<td><strong>Natural Resource Management</strong></td>
<td>Clinton Community College, 7 cr. Paul Smiths, 3 cr.</td>
<td>Clinton Community College, 3 cr. North Country Community College, 3 cr.</td>
<td>Level I Game Logging; First Aid/ CPR Certifications; OSHA-10: Construction; NWRC/ 21st Century Skills**</td>
<td>CTE English; CTE Mathematics; CTE Science; CFM* NYSED CDOS Credential</td>
</tr>
<tr>
<td><strong>New Visions: Medical Careers</strong></td>
<td>Albany College of Pharmacy, $10,000 scholarship</td>
<td>Clinton Community College, 7 cr. North Country Community College, 13 cr.</td>
<td>First Aid/ CPR Certification; NWRC/ 21st Century Skills**</td>
<td>Anatomy &amp; Physiology; English 12; Government and Economics; Health Career; Medical Terminology</td>
</tr>
<tr>
<td><strong>Power Sport Technology</strong></td>
<td>Clinton Community College, 3 cr. SUNY Canton, 3 cr. Lincoln Technical Institute Motorcycle Mechanics Institute Paul Smiths 2 cr. UTI, Proficiency Credit or $1000 tuition Wyotech, Scholarship Available</td>
<td>Clinton Community College, 3 cr.</td>
<td>OPEESA Certification Preparation; Auto Lift Institute Certification; NWRC/ 21st Century Skills**</td>
<td>CTE English; CTE Mathematics; CTE Science; CFM* NYSED CDOS Credential</td>
</tr>
<tr>
<td><strong>Security &amp; Law Enforcement</strong></td>
<td>SUNY Canton, 3 cr. Clinton Community College, 6 cr. Herkimer Community College, 6 cr. North Country Community College, 9 cr.</td>
<td>Clinton Community College, 3 cr. North Country Community College, 3 cr.</td>
<td>NYS Security Guard Pre-Assessment Training; Office of Counter Terrorism Enhanced Security Guard; Dept. of Homeland Security Teen CERT (Community Emergency Response Team); Professional Protection Officer (Nationally Recognized Credential); First Aid/ CPR Certification; NWRC/ 21st Century Skills**</td>
<td>CTE English; CTE Government; CTE Physical Education; CTE Science; CFM* NYSED CDOS Credential</td>
</tr>
<tr>
<td><strong>Welding</strong></td>
<td>Clinton Community College, 3 cr. Alfred State, 7 cr. SUNY Canton, 2 cr. Lincoln Technical Institute Mohawk Valley, 5 cr. SUNY Delhi, 7 cr.</td>
<td>Clinton Community College, 3 cr.</td>
<td>American Welding Society (AWS); NWRC/ 21st Century Skills**</td>
<td>CTE English; CTE Mathematics; CTE Science; CFM* NYSED CDOS Credential</td>
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<tr>
<td><strong>CPR</strong></td>
<td>NA</td>
<td>Clinton Community College, 3 cr.</td>
<td></td>
<td>NYS Licensee</td>
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<tr>
<td><strong>CDL</strong></td>
<td>NA</td>
<td>Clinton Community College, 3 cr.</td>
<td></td>
<td>NYS Licensee</td>
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<tr>
<td><strong>EKG Technician</strong></td>
<td>NA</td>
<td>Clinton Community College, 3 cr.</td>
<td></td>
<td>NYS Licensee</td>
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<tr>
<td><strong>LPN</strong></td>
<td>SUNY Canton, 3 cr. Clinton Community College, 9 cr. North Country Community College, 17 cr.</td>
<td>Clinton Community College, 3 cr.</td>
<td></td>
<td>NYS Licensee</td>
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<tr>
<td><strong>Paralegal</strong></td>
<td>Clinton Community College, 2 cr.</td>
<td>Clinton Community College, 3 cr.</td>
<td></td>
<td>National Certification</td>
</tr>
<tr>
<td><strong>Phlebotomy</strong></td>
<td>Clinton Community College, 2 cr.</td>
<td>Clinton Community College, 3 cr.</td>
<td></td>
<td>NYS Licensee</td>
</tr>
</tbody>
</table>

Updated 04/3/2020 - check with the CV-TEC Academic Services Office or your CV-TEC Counselor for the most current list of articulations.

* Career & Financial Management

** National Work Readiness Credential
Enter the exciting world of healthcare. Learn skills used across the industry in a wide variety of occupations. Lab practice, job shadowing and clinical experiences are an integral part of the program. Students receive preparation for entering a health career as a Certified Nurse Assistant, Certified EKG Technician and Phlebotomy Technician. This program is a great start for entering the world of work or for continuing in a post-secondary health profession career pathway.
Program Highlights
• Patient Care Skills
• First Aid
• CPR
• Medical Terminology
• Measuring Vital Signs
• Infection Control
• Medical Abbreviations
• Anatomy & Physiology
• Nutrition
• Safety in the Healthcare Environment

Career Connections
• Certified Nurse Assistant
• Nursing Assistant
• Home Health Aide
• Certified EKG Technician
• Phlebotomy Technician
• Clinical Assistant
• Resident Assistant
• Licensed Practical Nurse
• Registered Nurse
• Radiology Technician
• Surgical Technologist

Articulation Agreements
• Clinton Community College
• CV-TEC LPN Program

Certifications
• NYS Certified Nurse Assistant
• EKG Technician
• First Aid/CPR
• Phlebotomy Certification Prep
• OSHA-10: Healthcare
• NWRC/ 21st Century Skills

Course of Study
First Aid and CPR

Medical Terminology & Abbreviations

Nutrition
• Therapeutic Diets
• Heart Healthy Diet

Skills
• Perform EKG
• Perform Cardiac Stress Tests
• Apply Holter Monitor
• Apply Telemetry Monitor
• Perform Blood Drawing
• Perform all CNA Skills

Legal and Ethical Issues
• Confidentiality
• HIPAA Regulations

Clinical Experiences
• Hands-on CNA Training
• 108 Clinical Hours (Year 1)
• 20 Career Exploration Experiences (Year 2)
• Simulated Lab Practice

Career Preparation
• Portfolio Development
• Interview Preparation
• Résumé Development
• 21st Century Skills Training

Safety In the Healthcare Setting
• Body Mechanics
• Universal Precautions
• Gowning, Gloving, Handwashing

Personal Care Skills
• Bathing
• Feeding
• Hand and Nail Care

Body Structure And Function
• Aging Process
• Heart Electrophysiology
• Vein Selection
• Body Systems

Body Structure And Function
• Aging Process
• Heart Electrophysiology
• Vein Selection
• Body Systems

Nutrition
• Therapeutic Diets
• Heart Healthy Diet

Skills
• Perform EKG
• Perform Cardiac Stress Tests
• Apply Holter Monitor
• Apply Telemetry Monitor
• Perform Blood Drawing
• Perform all CNA Skills

Career Connections
• Certified Nurse Assistant
• Nursing Assistant
• Home Health Aide
• Certified EKG Technician
• Phlebotomy Technician
• Clinical Assistant
• Resident Assistant
• Licensed Practical Nurse
• Registered Nurse
• Radiology Technician
• Surgical Technologist

Articulation Agreements
• Clinton Community College
• CV-TEC LPN Program

Certifications
• NYS Certified Nurse Assistant
• EKG Technician
• First Aid/CPR
• Phlebotomy Certification Prep
• OSHA-10: Healthcare
• NWRC/ 21st Century Skills
The swiftly changing livestock industry offers a variety of careers for the individual interested in large animal production. This program offers basic and advanced skills in areas such as nutrition, animal husbandry, anatomy and physiology of animals and practical skills such as handling and restraint, clinical laboratory skills and medical terminology. Traditional instruction and hands-on learning enhance the students’ learning experience. Upon completion of the program, students can continue on to a career or choose to enroll in post-secondary education to earn a degree in an animal-related field.
Program Highlights

- Hands-on Learning
- Safety & Sanitization
- Handling and Animal Behavior
- Restraint Techniques
- Animal Care for all Livestock & Poultry Species
- Veterinary Medical Terminology
- Anatomy & Physiology
- Animal Nutrition
- Animal Breeding Systems
- Genetics
- Clinical Laboratory Skills
- Reproduction

Career Connections

- Veterinary Assistant
- Veterinary Technician
- Veterinarian
- Animal Nutritionist
- Animal Pharmaceutical Representative
- Artificial Breeding Technician
- Feed Sales Representative
- County Extension Agent
- Zoologist
- Animal Laboratory Technician
- Equine Management
- Animal Production/Farm Management
- Hatchery Manager

Articulation Agreements

- Clinton Community College
- SUNY Canton
- SUNY Cobleskill
- SUNY Delhi
- SUNY Morrisville

Certifications

- OSHA-10: Agriculture
- NWRC/21st Century Skills

Special Notes

- Students are responsible for providing appropriate footwear.

Course of Study

Animal Care

- Appropriate feeding & watering
- Hoof trimming/Horn trimming
- Shearing/Clipping
- Deworming
- Identifying equipment

Animal Care & Nutrition

- Large animals & poultry

Employability Skills

Clinical Laboratory Skills

- Job shadowing experiences paired with the student’s interests

Reproduction

Handling & Restraint

- Large animals & poultry

Milk Production

Meat, Eggs, and Milk Products

Veterinary Medical Terminology

Anatomy & Physiology

- Internal
- External
Animal Science: Veterinary Assistant
2-Year Program
Plattsburgh Main Campus

The rapidly expanding pet industry has a variety of careers for the animal loving enthusiast! The Animal Science Veterinary Assistant Program is designed for those interested in pursuing a career in an animal related field. This program encompasses the study of dogs, cats, pocket pets, livestock, equines and exotic species. Traditional instruction with hands-on learning provides students with practical experience while focusing on critical thinking and depth of understanding. Through hands-on application, shared skills and career exploration opportunities, students will gain employability skills, practice good work ethics and become team players. Upon completion of the program, students can continue on to a career or choose to enroll in post-secondary education to earn a degree in an animal related field.
Program Highlights
- Hands-on Learning
- Safety & Sanitization
- Animal Rights & Welfare
- Animal Behavior
- Handling & Restraint
- Animal Husbandry
- Veterinary Medical Terminology
- Anatomy & Physiology
- Animal Nutrition
- Basic Grooming
- Clinical Laboratory Skills
- Pet First Aid
- Career Exploration
- Employability Skills

Career Connections
- Veterinary Assistant
- Veterinary Technician
- Veterinarian
- Groomer
- Kennel Assistant
- Animal Trainer/Handler
- Retail Management/Owner
- Zoology
- Animal Research Laboratory Technician
- Equine Management
- Marine Biologist

Articulation Agreements
- Clinton Community College
- SUNY Canton
- SUNY Cobleskill
- SUNY Delhi

Certifications
- NWRC/21st Century Skills

Special Notes
- Students are responsible for providing appropriate footwear.

Course of Study

Safety & Sanitation
- Safety in the workplace
- Prevention of Zoonotic Disease

Grooming
- ID equipment & Use
- Nail Trimming
- Ear Cleaning
- Bathing

Animal Care & Management
- ID Breeds
- Husbandry Small & Large Animals
- Animal Nutrition
- Common Disease/Vaccinations
- Behavior

Office Procedures & Client Relations
- Reception Skills
- Communication Skills
- Record Keeping

Handling & Restraint Techniques
- Small & Large Animal

Anatomy & Physiology
- Internal
- External
A career that is part craftsmanship and part artistry that involves extensive practice and acquired skill. Students will learn how to restore vehicles using the latest equipment and technology. As a member of a team, students will repair late model and classic vehicles from start to finish in a state-of-the-art repair facility, featuring a downdraft spray bake booth. They will repair frames and unibody vehicles, repair auto plastics and fiberglass, install glass and learn custom painting and refinishing techniques. Students will be prepared for the growing job market in the collision repair industry.
Program Highlights
- Welding
- Frame-Unibody Alignment
- Glass Installation
- Automotive Reconditioning
- Fiberglass Repair
- Panel Reforming
- Refinishing

Career Connections
- Auto Detailer
- Used Car Reconditioner
- Glass Installer
- Autobody Repairman
- Collision Repair Specialist
- Painter/Refinisher
- Damage Appraiser
- Fabricator
- Assembly/Manufacturing

Articulation Agreements
- Clinton Community College
- Lincoln Technical Institute
- SUNY Canton
- UTI, Proficiency Credit or $1000 tuition
- Wyotech, Scholarship Available

Certifications
- ASE Preparation
- Auto Lift Institute Certification
- NWRC/21st Century Skills

Course of Study

Introduction to Collision Repair Safety
- Vehicle Construction
- Collision Damage Fundamentals
- Welding & Cutting
- Fabrication
- General Purpose Tools & Equipment

Automotive Detailer
- Recondition Passenger Compartment
- Clean Engine Compartment
- Wash Outside
- Buff & Polish Finish

Glass Installer
- Remove & Install Windshield
- Remove & Install Door Glass
- Remove & Install Stationary Glass
- Perform Leak Tests

Painter Assistant
- Clean & Adjust Spray Equipment
- Prep Vehicles
- Mix Paint
- Mask For Paint
- Panel Edging

Painter
- Apply Finish to complete vehicle
- Spot Repairs
- Blending Panels
- Color Adjustment
- Repair Paint Defects

Auto Body Technician Assistant
- Perform Minor Assembly
- Repair Surface Imperfections
- Sand & Prep Vehicles
- Mask
- Mix & Apply Primers

Structural Repairs
- Diagnose damage
- Install Measuring Equipment
- Set up for pulls
- Straighten Frames & Unibody
- Replace Structural Components

Job Seeking Skills
- Portfolio Development
- Work Study Opportunities
- Internships

www.cves.org/cv-tec - 19
Automotive Technology
2-Year Program
Plattsburgh Main Campus
Mineville Campus

This program teaches the skills necessary to troubleshoot and repair the complex systems of today’s high tech automobiles. Experience the latest technology in a hands-on electronics-based curriculum. Students will learn to diagnose and service automotive electrical systems, drivelines, brakes, fuel injection systems, emissions systems, steering, suspension, engines, and transmissions.
Program Highlights
- 4-Wheel Thrust Angle Alignments
- Electrical and Mechanical Brake System diagnosis and repair
- Computerized Climate Control Systems
- Air Bags & Passive Restraint Systems
- Computerized Electrical Diagnosis
- Equipment Training
- Scheduled Equipment Training
- New York State Inspection
- Electronic Fuel Injection Repair
- Customer Service Training

Career Connections
- Entry Level Technician at Automotive Dealership
- Parts Counter Representative
- Service Shop Technician
- Service Advisor
- Service Manager
- Tire and Alignment Technician
- Service Repair Writer
- Work Study with local repair shops
- Automotive Technician
- Repair Shop Owner
- Automotive Instructor

Articulation Agreements
- Clinton Community College
- Lincoln Technical Institute
- SUNY Canton
- SUNY Delhi
- University of N.W. Ohio
- UTI, Proficiency Credit or $1000 tuition
- Wyotech, Scholarship Available

Certifications
- ASE Preparation
- NYS Inspection Licensure
- Auto Lift Institute Certification
- OSHA-10: General Industry
- First Aid/CPR
- NWRC/21st Century Skills

Course of Study

Vehicle Maintenance
- Oil and filter change procedures
- Scheduled maintenance procedures
- Proper jacking and lifting procedures
- Tire mounting, balancing and repair
- Replacing serpentine and v-belts

Electrical Systems
- Diagnose and repair battery, charging and starting systems
- Wiring repairs soldering, heat shrink and crimp connectors
- Read and understand wiring diagrams
- Use digital multimeter
- Repair lighting system

Brake Systems
- Disc and drum brake diagnosis & repair
- Machine rotors on the vehicle
- Fabrication and replacement of steel brake lines. (double & iso flares)
- Brake bleeding procedures
- Diagnose anti-lock brakes

Engine Performance
- Use Snap-On diagnostic scan tool
- Identify fuel injection components
- Understand processor strategies
- Measure fuel pressure and volume
- Perform compression tests
- Perform cylinder leak down tests
- Test evaporative emissions systems
- Diagnose check engine lights
- Check engine oil pressure

Suspension and Steering
- Identify related components
- Inspect components for wear/damage
- Replace ball joints and tie rod ends
- Replace shocks and MacPherson struts
- Computerized 4-wheel alignments

Drivetrain
- Diagnose and replace universal joints
- Replace CV boots, joints and half shafts
- Replace clutch
- Replace wheel bearings
- Replace axle shaft bearings and seals
- Transmission replacement

Engine Repair
- Engine replacement
- Replace timing belts, chains, gears
- Replace head gaskets
- Cooling system repairs
- Measure engine components
- Use micrometers, verniers and dial calipers
Business & Health Management
2-Year Program
Plattsburgh Main Campus

Students will learn extensive administrative and financial office procedures; including but not limited to understanding the primary functions and roles within a business and the role of effective communication, the art of public speaking, financial accounting and reporting for business entities, microcomputer applications, medical terminology, ten-key calculating, and essential keyboarding skills. Students create professional portfolios that provide a winning edge when seeking employment. Students participate in off-site internships that will prepare them for a wide variety of jobs in the medical or general office setting.
Program Highlights

- Microcomputer Applications, Microsoft Office Suite
- Keyboarding Technique & Proficiency
- Ten-Key Calculating; Data Entry
- Public Speaking & Presentations
- Introduction to Business & Communications
- Principles of Accounting
- Medical & General Office Procedures
- HIPAA Regulations & Confidentiality
- Infection Control & Universal Precautions
- Medical Terminology, Abbreviations & Coding
- Professional Portfolio Preparation
- On-the-Job Work Experience/Internships

Career Connections

- Post-Secondary Education
- Medical Office Assistant
- Administrative Assistant
- Receptionist
- Stenographer
- Data Entry Clerk
- Insurance/Billing Clerk
- Account Clerk
- Audit Clerk
- Bookkeeper

Articulation Agreements

- Clinton Community College
- North Country Community College

Certifications

- First Aid/CPR
- AED National Safety Council
- NOCTI/Precision Exams
- NWRC/21st Century Skills
- Administrative Assisting
- Business Office Specialist

Course of Study

Business Communications

- Internal & External Communications
- Verbal, Nonverbal & Written Communications
- Media Channels for Business Communications

Business Organization and Management

- Introduction to Business
- Entrepreneurship and Legal Forms of Business
- Marketing
- Accounting, Finance and Banking
- Management

Ethics, Law & Compliance

- HIPAA Regulations
- Safety in the Workplace
- CPR/First Aid

Employment Preparedness

- Professional Portfolio Preparation
- On the Job Work Experience/Internships
- Shadowing Opportunities

Financial Management and Accounting

- Insurance and Coding
- Billing, Reimbursement and Collections
- Accounts Receivables, Payables and Payroll
- Budgeting, Fiscal Reports and Reconciliation

Medical Applications

- Medical Terminology
- Medical Abbreviations
- Introduction to Medical Coding
- Electronic Health Records

Office Assisting and Management

- Administrative Role & Responsibilities
- Telephone, Scheduling and Mail Processing
- Work Ethic and Professionalism

Public Speaking

- Develop Strong Public Speaking Skills
- Effectively Evaluate Oral Presentations
- Prepare, Plan, Draft and Practice the Delivery of Presentations

Technical Skills

- Microcomputer Applications, Microsoft Office Suite
- Keyboarding Technique & Proficiency
- Ten-Key Calculating; Data Entry
- Office Equipment
Construction Trades

2-Year Program

Jump-start your career in the construction industry by learning hands-on skills at CV-TEC. With the emphasis on green building practices and new technologies, the construction industry has evolved into a high-tech occupation that requires skilled workers. A two-year certificate from CV-TEC can give you the edge you need in an industry that is projected to grow within the next 10 years.

This class emphasizes hands-on skills. Students are out in the community gaining experience while working on residential and commercial community building projects. You can earn credit and give back to the community all at the same time. Students may also have the opportunity to job shadow and participate in work experience with local contractors and tradesmen.
Program Highlights

• Hands-on Skills
• Carpentry
• Masonry
• Electrical
• Heavy Equipment Operation
• Plumbing
• Trade Focus
• Worked Based Learning Experience
• Professional Portfolio
• Business Plan

Career Connections

• Contractor
• Lumber Mill Worker
• Union Apprentice
• Laborer
• Carpenter
• Framer
• Roofer
• Journeyman
• Building Analyst

Articulation Agreements

• Clinton Community College
• SUNY Delhi

Certifications

• OSHA-10: Construction
• First Aid/CPR
• NWRC/21st Century Skills

Course of Study

Residential Carpentry

• Blueprint reading
• Floor, Wall & Roof Frame Construction
• Floor, Wall and Roof Frame Layout
• Power tool use
• Roofing
• Siding
• Door and Window installation
• Finish and Trim work
• Cabinetry

Residential Electrical Construction

• Blueprint reading
• Electrical Theory
• Safety
• Service installation
• Rough in
• Trim Out
• Photovoltaic installation

Masonry

• Blueprint reading
• Foundation layout
• Footers and Forms
• Flat and vertical cement walls
• Brick and Block work

Plumbing

• Blueprint reading
• Water service installation
• Appliance installation
• Supply line feed and branch systems
• Hydronic heating
• PEX, PVC, ABS. CPVC, PE, Copper usage and sizing
• DWV installation
• Solvent Welds
• Soldering

Articulation Agreements

• Clinton Community College
• SUNY Delhi

Certifications

• OSHA-10: Construction
• First Aid/CPR
• NWRC/21st Century Skills

On-site Solar PV Lab

• Train & prepare PV installation
• Accreditation
This technical training program uses a hands-on approach to gaining marketable skills in the general industry of construction. Utilizing tools and materials found in the trade, students will learn about carpentry, electrical, masonry, and plumbing. Emphasis is on the framing of a house using a “whole house” performance-based approach, utilizing the most up-to-date practices in regards to health, safety and a green tomorrow. Curriculum components include new green energy building and testing standards. The knowledge and skills learned will enable the student to gain employment and advance quickly in the construction industry at the same time. Students may also have the opportunity to job shadow and participate in work experience with local contractors and tradesmen.
Program Highlights
• Hands-on Skills
• Carpentry
• Masonry
• Electrical
• Heavy Equipment Operation
• Plumbing
• Trade Focus
• Worked Based Learning Experience
• Professional Portfolio
• Business Plan

Course of Study

Residential Carpentry
• Blueprint reading
• Floor, Wall & Roof Frame Construction
• Floor, Wall and Roof Frame Layout
• Power tool use
• Roofing
• Siding
• Door and Window installation
• Finish and Trim work
• Cabinetry

Residential Electrical Construction
• Blueprint reading
• Electrical Theory
• Safety
• Service installation
• Rough in
• Trim Out
• Photovoltaic installation

Masonry
• Blueprint Reading
• Foundation layout
• Footers and Forms
• Flat and vertical cement walls
• Brick and Block work

Plumbing
• Blueprint reading
• Water service installation
• Appliance installation
• Supply line feed and branch systems
• Hydronic heating
• PEX, PVC, ABS. CPVC, PE, Copper usage and sizing
• DWV installation
• Solvent Welds
• Soldering

Career Connections
• Contractor
• Lumber Mill Worker
• Union Apprentice
• Laborer
• Carpenter
• Framer
• Roofer
• Journeyman
• Building Analyst

Articulation Agreements
• Clinton Community College
• SUNY Delhi

Certifications
• OSHA-10: Construction
• First Aid/CPR
• NWRC/21st Century Skills
Students participate in the operation of a fully functional Cosmetology Salon Clinic. The Clinic provides hands-on salon experience where students work with clients, process retail sales and practice essential communication and people skills. First-year students master basic Cosmetology competencies, while those in the second year advance to more refined skills. Students are given exposure to the dynamics and diversity of the field of cosmetology through industry events and style shows. Students also work closely with local industry professionals through classroom demonstrations and other work based learning opportunities.

New York State licensure requires the student to pass both a written and practical New York State Examination. This program provides the instruction to meet these requirements.
Program Highlights
- History & Career Opportunities
- Life Skills
- Professional Image
- Communications Skills
- Infection Control
- Anatomy & Physiology
- Chemistry & Electricity
- Properties of the Hair & Scalp
- Principles of Hair Design
- Scalp Care, Shampooing & Conditioning
- Haircutting
- Hairstyling
- Braiding & Extensions
- Wigs & Additions
- Chemical Texture Services
- Haircoloring
- Histology of the Skin
- Hair Removal
- Facials & Facial Makeup
- Nail Structure & Growth
- Manicuring & Pedicuring
- Advanced Nail Techniques
- Business Skills

Career Connections
- Salon Stylist
- Haircolor Specialist
- Texture Specialist
- Movie Stylist
- Nail Technician
- Esthetician Specialist
- Wig Specialist
- Makeup Artist
- Salon Owner
- Product Educator
- Styles Director
- Styles Designer
- Day Spa Technician
- Cosmetic Chemist
- Massage Therapist

Articulation Agreements
- Clinton Community College
- North Country Community College

Certifications
- NYS Cosmetology License
- OSHA-10: Cosmetology
- First Aid/CPR (Mineville Campus)
- NWRC/21st Century Skills

Course of Study

Professionalism
- Life Skills
- Career Opportunities
- Professional Image

Cosmetology Sciences
- Infection Control: Principles & Practices
- Anatomy/Physiology
- Basics of Chemistry/Electricity
- Properties of Hair & Scalp
- Diseases/Disorders (Hair, Skin, & Nails)

Scalp Care/Shampoos/Conditioners & Treatments
- Safety/Disinfection
- Client Consultation/Hair & Scalp Analysis
- Use of Shampoos/Conditioners/Treatments

Haircutting
- Use of Implements
- Basic Haircuts
- Basic Haircutting Principles
- Safety/Disinfection

Hair Styling
- Hair Partings, Shaping, Pin Curls, Rollers, Finger Waving
- Blow-Dry/Thermal Styling/Hair Wrapping
- Brush & Comb-Out Style
- Formal Styling
- Consultation
- Safety/Disinfection

Wigs/Hairpieces
- Consultation
- Cleaning/Styling/Cutting/Conditioning
- Safety/Disinfection

Chemical Texture Service
- Client Consultation
- Block Wrapping
- Processing/Neutralizing
- Instruction in Chemical Hair Relaxing/Soft Curl Permanent
- Application/Procedure
- Safety/Disinfection

Haircoloring/Lightening
- Client Consultation
- Haircoloring Application Procedure (Semi, Demi, Permanent)
- Hair Lightening Techniques
- Safety/Disinfection

Skin Care
- Client Consultation
- Facial Makeup
- Facial
- Histology of Skin
- Hair Removal
- Safety/Disinfection

Nail Care
- Nail Structure/Growth
- Diseases/Disorders
- Manicuring/Pedicuring
- Advanced Nail Techniques
- Safety/Disinfection

Business Skills
- Salon Business
- Seeking Employment
- On The Job
The Culinary Arts Management Program teaches students the foundation skills needed for a career in the hospitality industry. Students will utilize the two-year ProStart curriculum, supported by the National Restaurant Association, which includes classroom study, lab work, mentored work experiences, and hands-on applications operating the on-site café. Students will prepare and serve meals, increasing their knowledge of food science and restaurant operations.
Program Highlights

Culinary Arts
- Catering
- Desserts and Baked Goods
- Fruits and Vegetables
- Global Cuisine
- Meat, Poultry, and Seafood
- Nutrition
- Potatoes and Grains
- Safety and Sanitation
- Salads and Garnishes
- Stocks, Soups, and Sauces
- Safety and Sanitation

Restaurant Management
- Business Math
- Customer Relations
- Dining Room Service
- Food Costs Control
- Management
- Marketing
- Purchasing and Inventory Control
- Standard Accounting Practices

Career Connections
- Baker’s Assistant
- Busperson
- Cake Decorator
- Caterer
- Chef
- Food & Beverage Manager
- Front Desk Manager
- Host
- Line Cook
- Maitre D’
- Pastry Chef
- Prep Cook
- Restaurant Owner or Manager
- Short-Order Cook
- Waitperson
- Dietary Aide
- Health-Care Cook
- Entrepreneurship

Articulation Agreements
- Art Institute of Pittsburgh
- Clinton Community College
- Cornell University
- Culinary Institute of Arts
- Johnson & Wales
- SUNY Canton ATC
- New England Culinary Institute
- Paul Smiths College
- SUNY Cobleskill
- SUNY Delhi
- SUNY Plattsburgh
- Schenectady Community College

Certifications
- National Restaurant Association (NRA)
- First Aid/CPR
- NWRC/21st Century Skills

Course of Study

Level 1
- Orientation
- Food and Workplace Safety
- CPR/AED Certification
- Introduction to Commercial Equipment
- Customer Service
- Knife Skills
- Fruit and Vegetable Identification/Usage
- Introduction to Table Service
- Bakeshop Fundamentals/Holiday Project
- Management Essentials/Microsoft Office
- Potatoes and Grains
- Career Exploration/Employability Skills
- Stocks, Soups, and Sauces
- Industry Internships

Level 2
- Orientation
- Food and Workplace Safety Review
- ServSafe Certification
- Culinary Techniques Refresher
- Breakfast Cookery
- Purchasing and Inventory
- Salads and Sandwiches
- Cost Control
- Advanced Bakeshop
- Meat, Poultry, Seafood and Fabrication
- Marketing
- Organic, Local, Sustainable
- Global Cuisine/Taste of the World
- Industry Internships
In Digital Art and Design, students will be introduced to several topics during their first year, including: Graphic Design, Technical and Residential Drafting, 3D Modeling and Animation, Web Design and Computer Programming. During the second year, students are given more specialized training and practice in the field of their choosing.

The Digital Art and Design curriculum is designed to give students the opportunity to learn and practice skills on software used within the above-mentioned industries. Each topic is taught through a series of carefully chosen tutorials to learn necessary skills within the software packages. After several skills have been learned, students will complete an original and creative project while utilizing these new abilities.
Program Highlights
- 3D Animation
- Architecture
- Pre-Mechanical Engineering
- Web Design
- Graphic Design
- Computer Programming

Career Connections
- Animator
- Architectural Draftsman
- Mechanical Draftsman
- Web Designer
- Web Developer
- Database Administrator
- Graphic Designer
- Architect
- Game Designer
- Game Developer
- Software Developer
- Computer Programmer

Articulation Agreements
- Art Institute of Pittsburgh
- Clinton Community College
- Computer Information Systems
- Mechanical Technology
- CCC Computer Information Systems
- CCC Mechanical Technology
- SUNY Canton
- SUNY Delhi Community College
- Alfred State (Pending)
- SUNY Cobleskill
- North Country Community College
- SUNY Plattsburgh

Certifications
- NWRC/21st Century Skills

Course of Study

Graphic Design

Using Adobe Illustrator and Photoshop
- Layers and Groups
- Selecting and Manipulating Objects
- Color Theory
- Typography
- Pen Tool
- Line, Shape and Eraser Tools
- Pencil and Paintbrush Tools
- Image File Types
- Elements of Design
- Principles of Design

Computer Science
- Web Design with HTML and CSS
- Client-Side Scripting (JavaScript)
- Server-Side Scripting (PHP)
- Database Design
- SQL
- Web Applications
- Responsive and Adaptive Web Design
- Mobile Apps
- Game Design and Development

Architectural Engineering
- Residential Drawing
- Residential Design
- Architectural Fundamentals
- Site Planning
- AutoCAD Architectural Fundamentals
- AutoCAD Architectural Advanced
- 3DS Max with respect to Architecture
- Civil Engineering Concepts and Topics

Mechanical Engineering
- AutoCAD Fundamentals
- AutoCAD Solid Modeling
- Solid Edge 2D & 3D
- Mastercam Fundamentals
- Mechanical Engineering Drawing
- Geometric Dimensioning and Tolerancing
- Introduction to Engineering Technology
- Computer Aided Manufacturing (CAM)
- CNC Computer Interface
- 3D Printing

3D Modeling and Animation

Using 3ds Max and Maya
- Sketching Reference Images
- Storyboarding
- Primitive, Box and Organic Modeling with Proper Topology
- Creating and Applying Textures and Materials
- Key Frame Animation
- Rigging (FK and IK)
- Animation Mechanics
- Animation Principles
- Using Lights
- Setting Cameras
- Rendering
- Compositing and Editing Frames
The Early Childhood Education Program is a two-year program that gives students an overview of the physical, cognitive, social, and emotional characteristics and development of young children. Through a combination of academics and hands-on learning, students will be responsible for developing lesson plans for our on-site preschool. They must also demonstrate developmentally appropriate knowledge of children from birth to age eight. These, as well as other hands-on experiences, such as internships, will expose students to real-life situations and prepare them to obtain jobs working in the early childhood education and human services fields. Worksite experiences could take place in: Pre-K Programs, Day Care Programs, Head Start Programs, and Elementary Classrooms.
Program Highlights

- Plan, prepare, and conduct developmentally appropriate activities for preschoolers
- Manage a preschool clinical setting
- Identify stages of child development
- Plan and prepare nutritious snacks
- Develop and use behavior management skills with children
- Special emphasis on teamwork, decision making and communication skills

Career Connections

- Elementary Teacher (college 2+2 program for an additional four-year degree)
- Preschool Teacher
- Family Day Care Operator
- Day Care Teacher
- Day Care Director
- Social Worker
- Teacher’s Aide/Assistant
- Special Education Aide/Assistant
- School Therapy OT/PT
- Early Intervention Specialist

Articulation Agreements

- Clinton Community College
- SUNY Canton
- SUNY Cobleskill
- Herkimer Community College

Certifications

- First Aid/CPR
- Child Development Associate (CDA) Credential Preparation
- NWRC/21st Century Skills

Course of Study

Establishing & Managing a Child-Centered Environment

- Identifies & Develops Learning Centers
- Arranges Room for Optimal Learning
- Designs/Displays Thematic Bulletin Boards
- Follows/Adapts Daily Preschool Schedule
- Identifies Value of Play
- Demonstrates Knowledge of Licensing a Child Care Center
- Provides a Safe Environment Both Indoors/Outdoors

Creative Teaching Techniques

- Demonstrates Storytelling Techniques
- Designs & Prepares Puppets
- Demonstrates Correct Use of Puppets
- Uses Creative Dramatics in Teaching
- Uses Creative Movement in Teaching
- Performs in Front of Groups with Ease
- Uses Thematic Approach to Teaching

Children’s Literature

- Reads Aloud with Expression
- Identifies Children’s Literature N-6 as recognized by ALA
- Develops & Illustrates Children’s Books
- Writes Original Children’s Stories/Fractured Fairy Tales
- Identifies Award Winning Literature for Children

Leadership Skills

- Demonstrates Responsibilities of Teacher Aide
- Demonstrates Responsibilities of Assistant Teacher
- Demonstrates Responsibilities of lead Teacher

Child Health Safety Nutrition

- Certified in CPR/First-Aid/AED for Children
- Demonstrates & Practices Good Health Habits
- Selects & Prepares Nutritious Snacks
- Operates Equipment Safely
- Encourages a Relaxed Atmosphere at Mealtimes
- Demonstrates Proper Food Handling & Storage
- Develops Recipe Collection for children’s Foods

Child Development & Psychology

- Identifies Basic Development 0-8 yrs.
- Utilizes behavior management techniques
- Relates Well with Children
- Identifies Developmental Theorists
- Develops Personal Philosophy of Education

Infant/toddler Curriculum

- Establish and Maintain Indoor/Outdoor Environment
- Understand Developmentally Appropriate Practice(DAP)
- Show Knowledge of Recommended Nutrition Guidelines
- Select Appropriate Toys & Equipment
- Demonstrate Specific Knowledge and Skill in Diapering, Toilet Training and Dressing

Pre-School Curriculum

- Establish and Maintain Indoor/Outdoor Environment
- Ability to Choose, Plan, Prepare & Present DAP Activities for Pre-Schoolers
- Demonstrates Transitional Activities
- Meets the Developmental Needs of Children
Renewable-energy technologies along with traditional wiring is a rapidly growing sector of electrical constructing. An upgraded curriculum offers students the more current trade methods and equipment. Electrical construction training is based on compliance with the National Electric Code and emphasizes the electrical design, installation and maintenance of residential and commercial systems. With growing concerns about the future and security of electrical energy, renewable resources such as solar power are becoming increasingly important. Students will acquire the entry level skills necessary to meet the demands of a diverse trade and discover a rewarding future career.
Program Highlights
• Hands on Training
• Electrical Safety & OSHA 10 Training
• CPR Training
• Electrical Fundamentals
• Wiring Methods & Splicing
• Blueprint Reading-Circuit Design
• Heating and Appliance Installation
• Conduit Installation & Bending Methods
• Residential/Commercial Service Installations
• Electrical Troubleshooting & Repair
• Fire & Alarm systems
• Structured Wiring - Networks
• Solar/Wind Energy Trainer & Installations

Career Connections
• Residential Electrician
• Commercial Electrician
• Electrical Contractor
• Electrical Apprentice
• Solar Wind Tech
• Security & Alarm Tech
• Building Maintenance Electrician

Articulation Agreements
• Clinton Community College
• Lincoln Technical Institute
• SUNY Delhi

Certifications
• IBEW Certification Preparation
• First Aid/CPR
• OSHA-10: Construction
• NWRC/21st Century Skills

Special Notes
• Students are responsible for providing appropriate work clothes, footwear, hard-hats and safety glasses

Course of Study

Electrical Safety
• P.P.E. - Job Site
• OSHA 10 Training
• ARC Fault Safety

Electrical Fundamentals
• Ohms Law Formula
• Power Formula
• Series Circuit Problems & Lab
• Parallel Circuit Problems & Lab

Wire and Cable
• Variety of wire splices
• Conductor Properties
• Wire & Cable Methods

Lighting
• LED Fixture
• Outdoor Fixture
• Smoke Detector
• 3-way Switch

Appliance Circuits
• Energy Star Appliances
• Mechanical Ventilation & Control
• Dryer
• Range
• Electric Water Heater

Electric Service
• Utility Metering
• 200 Amp
• Pole Service
• Sub Feeder
• Size Circuit Breakers
• Arc Fault Breakers

New Construction Rough In
• Read Prints - Layout
• Cable Runs & Splices
• Lighting Schedule
• Circuit Tie-in

Conduit Formulas & Bending
• Offsets
• Saddles
• Wire Fills - NEC appendix
• Rigid Conduit - Ream & Thread

Electrical Troubleshooting
• Fuses - Test - Sizing
• Motor Overloads
• Fluorescent Ballasts
• Circuit Breakers
• Meter Testing

Alarm & Control
• Alarm Cable
• Detecting Devices
• Fire Alarm Panel
• Program Events

Blueprint Design & Research
• Interprets Prints & Symbols
• Produce Working Drawings
• Lighting Schedule
• Circuit Schedule
• Design PV Circuit
• Design Wind Power

Alternative Energy Lab
• Load Study & Management
• Utility Metering Specification
• Calculating Size
• Interconnect PV Panels
• Batteries
• Hybrid System
• Charge Controller
• DC Motor
• Charge Load

21st Century Skills
• Communication Skills
• Decision Making Skills
• Interpersonal Skills
In the Environmental Conservation and Forestry Program, students engage in hands-on learning based on current industry standards relating to sustainable forestry techniques, heavy equipment operation, maple syrup production, horticulture and arboriculture. This program is designed to give students a better understanding of our natural resources as they train for a variety of outdoor careers. Applied learning is provided through project based learning in our out-of-doors classroom.
# Program Highlights
- Chainsaw Safety & Operation
- Precision Tree Felling
- Forest Management
- Greenhouse Management
- Maple Syrup Production
- Arboriculture (Tree Climbing)

# Career Connections
- Post-Secondary Education
- NYS Logger Training
- Arboriculture Technician
- Horticulture Technician
- Heavy Equipment Operator
- Forest Technician
- Maple Producer
- Surveyors Aide

# Articulation Agreements
- Clinton Community College
- Paul Smith’s College

# Certifications
- Level I Game Logging
- First Aid/CPR
- OSHA-10
- NWRC/21st Century Skills

# Course of Study

## Chainsaw Operator
- Safety
- Basic Operation
- Basic Field Maintenance
- Shop maintenance
- Tree felling
- Limbing
- Bucking
- Spring pole safety cut
- Hand sharpening chain

## Forest Technician
- Timber cruising
- Tree identification
- Fire control
- Silviculture practices
- Insects and disease
- Map and compass
- Chainsaw core
- Power/hand tool core
- Safety core
- Computer core

## Heavy Equip. Operation - Skidder Entrance Level
- General operation
- Winch control
- Log hitching
- Deck operation
- Maintenance
- Safety core
- Chainsaw core

## Horticulture
- Greenhouse management
- Plant identification
- Greenhouse maintenance
- Propagation
- Marketing
- Safety core
- Pesticides
- Computer core

## Heavy Equip. Operator - Dozer Entrance Level
- Excavation
- Backfilling
- Grading/leveling
- Winch operation

## Surveyors Aide
- Map and compass
- Reading angles and horizontal distances
- Chainsaw core
- Safety core
- Computer core
- Abney hand level
- Profile leveling
- Differential leveling

## Heavy Construction Laborer
- Basic Heavy Equipment Operation
- 25 hr. combined operation time
- Dozer/backhoe/skidsteer
- Traffic control
- Power tool core
- Hand tool core
- Chainsaw core
- Safety core

## Forest Logging
- Tree felling by using game of logging
- Tree skidding
- Log scaling
- Deck operation
- Tree identification
- Chainsaw core
- Safety core
- Computer core
- Skidder operator

## Maple Producer
- Tree tapping
- Line Maintenance
- Evaporator operation
- Canning/grading
- Bush development
- Chainsaw core
- Computer core
- Safety core
- First Aid/CPR
This program is actually two programs in one. Learn the basics of layout and design, desktop publishing, and computer graphics while working as teams on practical projects such as holiday cards, booklets and posters. Students will also become proficient in printing and reproduction through fundamental print and bindery operations. The program covers the basics of the SLR digital camera, angles/distances, lighting, photo emphasis and all of the different camera settings. These techniques and skills are used by the students to produce photo ID badges, develop 12 month calendars, and to create and publish the CV-TEC Yearbook.
Program Highlights
• Computer Graphics
• Desktop Publishing
• Photography
• Darkroom Operations
• Bindery
• Communications

Career Connections
Graphic Design
• Graphic Artist
• Graphic Designer
• Advertising designer
• Packaging Designer
• Type & Letter Designer
• Booklet & Magazine Assembler
• Bindery Worker
• Illustrator
• Paper Cutter
• Freelance Designer
• Logo Artist
• Collateral Designer
• Publication Designer

Photography
• Photojournalist
• Forensic Photographer
• Portrait & Wedding Photographer
• Nature & Wildlife Photographer
• Freelancer
• Fashion Photographer
• Advertising & Product Photographer
• Food & Merchandising Photographer
• Medical Photographer
• Studio Photographer

Articulation Agreements
• Art Institute of Pittsburgh
• Clinton Community College
• SUNY Canton
• SUNY Cobleskill
• Mohawk Valley Community College
• North Country Community College

Certifications
• First Aid/CPR
• NWRC/21st Century Skills
• NOCTI

Course of Study
Job Site Safety
• OSHA – MSDS
• Fire Safety/Code
• Safety Colors/Rules
• Safety Equipment/Fire Ext.

Digital Photography
• Photo Emphasis
• Modes Setting
• Distances/Angles
• Camera Controls
• Image editing

Photographer
• Still Life/Senior Portraits
• ID/Passport
• Outdoor/Scenery
• Advertising/Packaging
• Product Merchandising

Portfolio Development
• Technical Writing Assignments
• Design/Photo Section
• Resume/Cover Letter
• Achievement and Awards

Graphic Artist/Designer
• Computer/Design Basics
• Computer Tools/Equipment
• Scanning/Desktop Printers
• Design Theory and Principles

Commercial and Advertising Production
• Yearbook/Booklets/Calendars
• News Articles and Magazine Ads
• Notepads/Tickets/Certificates
• Business Cards/Flyers/Posters
• Greeting and Special Occasion Cards

Press and Bindery Worker
• Safety and Machine Operations
• Paper Knowledge and Set-Up Procedures
• Paper Cutter, Folder and Stapling
• Printing, Binding and Padding
• Quality Control

Customer Service
• Complimentary Communication
• Professional Attitude
• Customer and Phone Etiquette
• Eye Contact/Personal Manners
Heavy Equipment/Diesel Mechanics

2-Year Program  Plattsburgh Satellite Campus

Students will learn the basic theory, operation, and safety practices related to heavy equipment. This program is designed to meet entry-level needs in the field of diesel technologies and repair of agricultural equipment, construction equipment, and class 6-8 “on-highway” vehicles. This course covers four-cycle engine theory, operation, troubleshooting and repair, and preventive maintenance of diesel-powered equipment. The course also covers basic hydraulic theory and principles, fuel systems, basic electrical and electronic systems, Tier IV emissions theory, brake systems, hydraulic/air systems, on-board diagnostic procedures, and an introduction to internet-based information systems used by today’s equipment manufacturers.
### Program Highlights
- Machine Operation/Maintenance
- Truck Maintenance
- Tool and Parts Counter
- Management
- Welding
- Equipment Restoration
- Engine Repair
- Tire Work
- Brake Work

### Career Connections
- Diesel Mechanic
- Bus Fleet Mechanic
- Farm Equipment Mechanic
- Machine Restoration
- Heavy Equipment Mechanic
- Tool Crib Technician
- Service Department Mechanic

### Articulation Agreements
- Clinton Community College
- Lincoln Technical Institute
- Nashville Auto Diesel College
- SUNY Canton
- University of N.W. Ohio
- UTI, Proficiency Credit or $1000 tuition
- Wyotech, Scholarship Available

### Certifications
- ASE Certification Preparation
- Auto Lift Institute
- NWRC/21st Century Skills

### Course of Study

#### Tool Counter/Tool Crib Associate
- Safety
- Tool Management
- Tool and Part Recognition Ability
- Tool and Material Care
- Record Keeping
- Inventory Control
- Ordering of Materials
- Ability to Use Reference Materials
- WEB-based information systems

#### Equipment Renovation/Repair
- Safety
- Use and Handling of Equipment
- Proper Tool Selection
- Use of Oxyacetylene Equipment
- SMAW (Stick) Welding Basics
- MIG (Wire Feed) Welding Basics
- Plasma cutting
- Paint Prep
- Painting
- Cutting and Grinding
- Clean, neat, orderly work area

#### Tire/Brake Mechanic
- Safety
- Tire Identification
- Rotation Theory and Practice
- Change Small Tires
- Repair Small and Large Tires
- Balancer
- Balance with Hunter
- Work with hydraulic brake components
- Familiarization with air brake adjustment, repair
- Perform annual DOT brake inspection

#### Heavy Equipment Mechanic
- General shop and field safety
- Basic electrical: charging systems
- Basic electrical: starting systems
- Basic computerized diagnostics & electronics
- Diesel theory
- Diesel diagnostics
- Diesel service
- Engine disassembly, repair, return to service
- Fuel line maintenance
- Valve adjustment
- Brake adjust, air and hydraulic
- Suspension
- Seals, bearing replacement, repair
- Writing work orders-manual/electronic
- DOT inspection
- Cold starting

#### Maintenance Mechanic Helper
- Safety
- Hoist operation, jacking safety placement, stands
- Brake adjustment (air, hydraulic)
- Electrical work (bulbs, fuses, motors, etc.)
- Lubrication (grease, oil change, disposal, etc.)
- Cooling system maintenance
- Fuel system maintenance (filters, etc.)
- Air system maintenance (filters, etc.)
- Machine operation (basics for mechanic)
- Basic winch operation/safety
Students looking for an exciting career in Marine Technology will have opportunities to enjoy the outdoors, be on the water, and follow a career path that has widespread opportunities both locally and nationally. Students receive training both in the lab and on the water during the warmer months, starting with trailering, launching, and driving a boat. Students then test run and diagnose marine engines directly on the water. The Marine Technology program covers all aspects of marine service from fiberglass structural and body repair to new engine rigging and installation.
Program Highlights
- On the water training and diagnostics
- Computer diagnostics systems available
- New engine rigging and installation
- Two and Four stroke technology
- Service skills and parts management
- Marine drive systems and propellers
- Structural fiberglass and Gelcoat repair
- Real world projects through local partnerships

Career Connections
- Marine Technician
- Marine Rigging Technician
- Service Manager
- Parts Manager
- Engine Rebuilder
- Dock Hand
- Marina Yard Manager

Articulation Agreements
- Clinton Community College
- SUNY Canton
- Lakes Region Community College
- UTI, Proficiency Credit or $1000 tuition
- Wyotech, Scholarship Available

Certifications
- Auto Lift Institute
- OSHA-10: General Industry
- First Aid/CPR
- NWRC/21st Century Skills

Course of Study
Outboard Tech
- 2-Stroke powerhead service
- 4-Stroke powerhead service
- Computer diagnostics
- Starting/Charging systems diagnostic/repair
- Fuel Systems diagnostic/repair
- Water pump service
- Gearcase/drive unit service
- Outboard installation and rigging

Sterndrive and Inboard Tech
- Engine removal/installation
- Seawater pump service/replacement
- Scheduled maintenance
- Computer Diagnostics
- Transom Service
- Drive service
- Precision Measurement
- Winterization

General Marina Services
- First Aid/CPR training
- Boater Safety Course
- Trailering/Launching/Hauling boats
- Shrink Wrapping
- Customer Service
- Estimate and Repair
- Order writing

Hull Maintenance Tech
- Engine Instrumentation
- Wiring and accessory troubleshooting
- Gel Coat repair
- Fiberglass structural repair
- Steering systems service
Natural Resources Management

2-Year Program

Mineville Campus

Jump start your career and learn environmental studies, forestry and general heavy construction in the outdoors. This program's foundation is built upon the philosophy of “active learning”, hands-on instruction. Learning through experience helps develop both the skills to perform work properly and sensitivity to the environment in which the students work. All work projects are community related and students are involved in the planning from start to finish. This diverse instruction will develop the skills needed to become successful in a wide variety of environmental technologies and construction.
Program Highlights

- Heavy Equipment Operation & Maintenance
  - Backhoe
  - Bulldozer
  - Excavator
  - Specialized Tree Operations
  - Turf Management
  - Construction Surveying – Traditional and Laser
  - Computer Aided Instruction
  - Welding
    - OAW
    - SMAW
    - MIG
    - TIG
    - Plasma Arc Cutting

Career Connections

- Forester
- Surveyor
- Landscape Architect
- Environmental Engineer
- Welder
- Environmental Technician
- Forest Technician
- Materials Technician
- Heavy Equipment Operator

Articulation Agreements

- Clinton Community College
- Paul Smith’s College

Certifications

- Level I Game Logging
- First Aid/CPR
- OSHA-10: Construction
- NWRC/21st Century Skills

Course of Study

Heavy Equipment Operation

- Excavating
- Grading
- Backfilling
- Trenching to grade
- Stockpiling
- Lubrication and service
- Preventive maintenance
- Slot dozing

Forest Technician

- Timber cruising
- Timber cutting
- Tree identification
- Silviculture Practices
- Map & compass

Landscape Technician

- Lawn construction
- Tree and Shrub Planting
- Landscape maintenance
- Landscape construction
- Cost estimates

Maple Syrup Production

- Tree tapping
- Bush management
- Evaporator operation
- Canning/Grading

Surveying

- Establishing Contours
- Building sit layout
- Setting grade stakes/off set method
- Setting grade stakes/effluent and water lines
- Horizontal taping
- Profile surveying
- Differential surveying

Welding Apprentice

- OAW
- Cutting
- SMAW
- MIG
- TIG
- Plasma Arc Cutting

Chainsaw Operation

- Basic field maintenance
- Shop maintenance and repair
- Tree felling/bore cut
- Limbing
- Bucking
- Spring pole safety cut
- Hand sharpening chain
The New Visions: Applied Engineering Program is an application based, rigorous one-year exploratory program for select college-bound seniors planning to major in a field of study in Engineering and/or related fields. The academic curriculum is combined with practical, applied work experience as students engage in STEM concepts at the Institute of Advanced Manufacturing (IAM) and through clinical observations with business & industry partners in the field. The program incorporates dual enrollment in college and high school credit-bearing coursework with career exploration and Work-Based Learning (WBL) experiences in Applied Engineering. Students will participate in daily ½ day sessions for the course of the school year during the Senior Year. The purpose of this program is to increase student success with determining a college major and career pathway in the field of Engineering and/or related fields.

New Visions: Applied Engineering is for high school seniors only.
Program Highlights

• Immersive educational experience for students interested in pursuing a career in engineering
• Daily ½ day sessions
• Practical and applied work experience academic curriculum
• College-like atmosphere
• Dual enrollment in college and high school enrollment in college and high school credit-bearing coursework

Career Connections

• Aerospace Engineering
• Biomedical Engineering
• Chemical Engineering
• Civil Engineering
• Electrical Engineering
• Environmental Engineering
• Industrial Engineering
• Mechanical Engineering
• Structural Engineering
• Architecture
• Quality Control & Process
• Additional Engineering related areas

Articulation Agreements

• Clinton Community College
• North Country Community College

Certifications

• NWRC/21st Century Skills

Course of Study

Course Overview

• STEM concepts
• Calculus
• Engineering
• Physics
• Applied Engineering Principles

Applied Work Experience at The Institute Of Advanced Manufacturing (IAM)

Clinical Observations with Business & Industry Partners in the field

Career Exploration and Work-Based Learning (WBL) Experiences In Applied Engineering

Dual High School and College Credit-Bearing Coursework

College Preparation

New Visions: Applied Engineering has a selective admission process.
Applications are required and available on our website and through your school guidance offices.
New Visions: Medical Careers

1-Year Program

Mineville Campus

Plattsburgh Satellite Campus

The New Visions: Medical Careers Program is an academically rigorous one-year exploratory program for selected college-bound seniors planning to major in a field of study such as pre-med, chemistry, biology or other allied health fields. The academic curriculum is combined with practical, applied work experience as students observe health care professionals at one of the area’s medical facilities. Learn what the health care field is really about by working alongside professionals and their patients.

New Visions: Medical Careers is for high school seniors only.

Campus locations: UVM Plattsburgh & UVM Elizabethtown & Boquet Valley CSD Mountain View Campus
Program Highlights

- Unique inside view of health care
- Intense, comprehensive coursework
- Acquire the skills necessary to be successful in college and as a professional
- Opportunities to enhance:
  - written and oral fluency
  - group and leadership skills – analytical and creative perspectives
  - study skills/habits
  - personal accountability
- College-like atmosphere

Career Connections

- New Visions: Medical Careers provides opportunities for students to explore careers in nearly all of the medical professions
- Clinical Rotations
- Professional Guest Speakers

Articulation Agreements

- Albany College of Pharmacy offers $10,000 scholarship for students who participate in the program
- Dual Enrollment: Advanced Placement Credits through Clinton Community College & North Country Community College

Certifications

- First Aid

Course of Study

Course Overview

- Introduction to Human Anatomy and Physiology
- Medical Terminology
- Clinical Experiences
- Health Careers Exploration
- Medical Law & Ethics
- Economics & Government
- English 12
- Shadowing Experiences
- Volunteer Experiences
- College Preparation

CV-TEC Mineville Campus students study at Boquet Valley CSD Mountain View Campus with the University of Vermont Medical Center Elizabethtown
Students will learn a marketable trade in the world of recreational vehicles. They will obtain the knowledge needed to maintain and repair a variety of small engines used on portable power equipment. They will learn the principles of basic machining, internal combustion engine operation, read technical manuals and develop customer relations. Students will work on snowmobiles, motorcycles, lawn, garden, golf course maintenance equipment, and personal & larger watercraft. Students will acquire the skills needed for employability from basic tune-ups to rebuilding engines.
Program Highlights
- Polaris Victory and EFI Training
- CNC and Manual Machining Training
- MIG Welders
- PWC and Outboard Marine Training
- Small Diesel Engine Training

Career Connections
- Marinas
- Rental Stores
- Motorcycle Dealerships
- Snowmobile Dealerships
- Machine Shops
- Small Engine Shops
- Military/National Guard
- Entrepreneurship

Articulation Agreements
- Clinton Community College
- SUNY Canton
- Lincoln Technical Institute
- Motorcycle Mechanics Institute
- Paul Smith's College
- UTI, Proficiency Credit or $1000 tuition
- Wyotech, Scholarship Available

Certifications
- OPEESA Certification Preparation
- Auto Lift Institute
- NWRC/21st Century Skills

Course of Study

Shop Management
- Shop Safety
- Tool Identification and Safety
- Repair Estimates
- Complete repair bills and calculate invoices
- Parts Identification and ordering
- Shop Manual Use
- Lift Use and Safety

Types of Equipment
- Lawn Mowers/Tractors
- String trimmers
- Chainsaws
- Snowblowers
- Generators
- Motorcycles
- ATVs
- Snowmobiles
- Watercraft

Equipment Tune Ups
- Tune ups/Service
- Oil and Filter Change
- Identify/Replace Worn Parts
- Tire Inspection and Replacement
- Blade Sharpening and Replacement
- Brake inspection and Repair

Electrical Systems
- Diagnose and Repair Battery, Charging and starting systems
- Wiring repairs; soldering, heat shrink and crimp connectors
- Reading & Understanding wire diagrams
- Use of digital multimeters
- Repair lighting systems

Machining and CNC
- Precise Measurements
- Setting, Programing and Operation of CNC Milling Machine
- Operation of Metal Lathe
- Operation of drill press, cut off saw
- Mechanical blueprint reading
- Fabrication of Parts

Welding
- Welding Safety
- Operation of Oxygen/Acetylene Torch
- Operation of MIG Welder
- Metal Fabrication and Repair

Employability Skills
- Communication Skills
- Problem Solving
- Decision Making Skills
- Interpersonal Skills
Pre-CTE Automotive Service allows students the opportunity to explore entry level positions in the industry while working on employability skills needed to be successful in the workforce. Students will have opportunity to work in an automotive shop to fulfill work based learning hours towards the NYS CDOS Credential. Students will work on targeted skills in the areas of mounting/dismounting tires, balancing tires, brake diagnosis/repair, exhaust repair, and interior/exterior detailing. Students will gain skills necessary to meet job entry requirements with a strong base for growth and continued education within the industry.
Program Highlights
- In House Work Site
- Employability Skills
- Co-Teaching Model
- High Quality Instruction

Career Connections
- Oil-Lube Technician
- Retail Customer Service
- Automotive Service Assistant
- Automotive Detail Specialist
- Exhaust System Repair
- Brake Diagnostic/Repair

Certifications
- NYS CDOS Commencement Credential

Further Education
- Automotive Technology (CV-TEC)

Course of Study

Automotive Reconditioner (Detailer)
- Apply Appropriate Safety Precautions
- Appropriate Use of Supplies and Equipment
- Prepare Vehicle for Washing & Cleaning
- Degreasing/Detailing engine Compartment

Automotive Repair Technician (Vehicle Maintenance)
- Perform Tire Dismount and Mounting
- Perform Oil, Filter & Chassis Lube
- Proper Hoisting & Jacking
- Perform Tire Rotation & Wheel torque Procedures
- Services Automotive Batteries - Cleaning Connections & Testing
- Inspecting All Fluids for Proper Levels and Contamination

Automotive Repair Technician (Brakes)
- Replace Break Pads & Shoes
- Replace Brake Hoses
- Bleed Brake System
- Replace Wheel Cylinders
- Replace Emergency Brake Cables

Automotive Repair Technician (Electrical)
- Repair Wiring, Solder & Heat Shrink Insulation
- Use Tester to Evaluate Battery, Starter and Alternator Condition
- Disassemble/Assemble & Test Alternator
- Perform Headlamp System Repair
- Use D.V.O.M to Measure Circuit Resistance & Voltage Drop

Employability Skills
- NYS CDOS Commencement Credential
- Work Based Learning
- Employability Profile
Pre-CTE Food Services allows students the opportunity to explore entry level positions in the industry while working on employability skills needed to be successful in the workforce. Students will have opportunity to work in a school cafeteria to fulfill work based learning hours towards the NYS CDOS Credential. Students will work on targeted skills in the areas of cold food preparation, kitchen helper, storage, inventory, serving, product identification, and nutrition. Students will gain skills necessary to meet job entry requirements with a strong base for growth and continued education within the industry.
Program Highlights
- In House Work Site
- Employability Skills
- Co-Teaching Model
- High Quality Instruction

Career Connections
- Entry Level Food Service Workers
- Banquet Server
- Stock Clerk
- Cold Food Server
- Table Busser

Certifications
- NYS CDOS Commencement Credential

Further Education
- Culinary Arts Management (CV-TEC)

Course of Study

Hospitality Core
- Identify career opportunities
- Prepare letter of application
- Prepare resume
- Complete job application

Culinary Core
- Tool & equipment identification and usage
- Knowledge of culinary terminology
- Apply ServeSafe guidelines
- Workplace safety
- Nutrition

Kitchen Helper
- Sweep and mop floors
- Clean kitchen work areas
- Wash pots and pans by hand
- Use dishwashing machine
- Wash and peel vegetables
- Assist kitchen staff

Employability Skills
- NYS CDOS Commencement Credential
- Work Based Learning
- Employability Profile

Storage Clerk
- Product Identification
- Inventory/ Issuing
- Storage

Pantry Cold Food Preparation
- Vegetable Cuts
- Salad Preparation
- Cold Sauces
- Garnishing

Cook
- Apply mise en place
- Read and use recipes
- Convert recipes
- Measure recipes

Program Highlights
- In House Work Site
- Employability Skills
- Co-Teaching Model
- High Quality Instruction

Career Connections
- Entry Level Food Service Workers
- Banquet Server
- Stock Clerk
- Cold Food Server
- Table Busser

Certifications
- NYS CDOS Commencement Credential

Further Education
- Culinary Arts Management (CV-TEC)
The Security and Law Enforcement Academy is a New York State Division of Criminal Justice Services Security Guard Training School. The program is a student chapter of the following organizations: Teen CERT (Community Emergency Response Team); CAYSA (Corrections and Youth Services Association); and Department of Homeland Security Law Enforcement Exploring. The curriculum includes instruction in all areas of the security profession, corrections, law enforcement, and homeland security. Cadets perform security duties on campus and in the community. Work experiences are available with numerous law enforcement agencies, including but not limited to: U. S. Customs and Border Protection; Clinton County Sheriff’s Department; U. S. Border Patrol; and Plattsburgh City Police Department.
Program Highlights

• Crime Scene Investigation
• Arrest Techniques
• Self-Defense and Take Downs
• Handcuffing Procedures
• Firearms Training
• Patrol Vehicle Operation
• Para-Military Basic Training
• Radio Communications
• Pepper Spray and Baton Use
• Community Security Details
• Law Enforcement Ride-a-longs

Career Connections

• Public and Private Security
• Corrections
• Crime Scene Investigation
• Local, State and Federal Law Enforcement
• Military Police
• Bodyguard
• Homeland Security
• Private Investigation
• Dispatching

Articulation Agreements

• SUNY Canton
• Clinton Community College
• Herkimer Community College
• North Country Community College

Certifications

• NYS Security Guard PreAssessment Training
• Office of Counter Terrorism Enhanced Security Guard
• Dept. of Homeland Security Teen CERT (Community Emergency Response Team)
• Professional Protection Officer (Nationally Recognized Credential)
• First Aid/CPR
• NWRC/21st Century Skills

Course of Study

Basic Training Phase

• Military Procedures
• Physical Fitness Program
• Leadership Training
• Self-Defense Techniques
• Patrol Preparation
• NYS Security Certification

Security Operations

• Effective Communications
• Emergency Response
• Use of Force
• Bodyguard Training
• Custody and Control
• Protection Officer Certification

Introduction to Corrections

• Handcuff Application
• Prison Tours
• Hostage Negotiation
• Chemical Agents
• Riot Formations
• Corrections & Youth Services Association (CAYSA)

Law Enforcement Fundamentals

• Patrol Vehicle Operation
• Crime Scene Investigation
• Court Procedures
• Fingerprints
• Laws of Arrest
• Firearms and Weapons

Homeland Security

• Terrorism Indicators
• Weapons of Mass Destruction
• Surveillance Techniques
• Incident Command System
• Threat Assessments
• Counterterrorism Certification

Teen CERT (Community Emergency Response Team)

• Disaster Preparedness
• Search and Rescue
• Psychological Impact
• Fire Operations
• First Aid & CPR Certification
• Emergency Management Certification
Security & Law Enforcement
2-Year Program Mineville Campus

The field of security and law enforcement is fast-paced where students learn fingerprinting, handcuffing, investigative methods, crime prevention and detection, laws of arrest, crime scene investigation techniques and emergency response. An emphasis is placed on teaching sound decision making skills and good judgment. A New York State Pre-Assignment Security Certification is incorporated in the curriculum.
Program Highlights

- First Aid
- CPR
- Self-Defense
- Use of Force
- Arrest and Search Techniques
- Crime Scene Investigation
- Traffic Accident Investigation
- Emergency Response Procedures
- NYS Criminal & Civil Law

Career Connections

- Federal, State, County & Local Law Enforcement Officers
- Correction Officer
- Private Security Officer
- Loss Prevention Officer (store detective)
- Insurance Investigations
- Traffic control
- Personal Protection Officer
- Electronic Security Specialist
- Crime Scene Technician (C.S.I.)

Articulation Agreements

- SUNY Canton
- Clinton Community College
- Herkimer Community College
- North Country Community College

Certifications

- NYS Security Guard Pre-Assessment Training
- First Aid/CPR
- NWRC/21st Century Skills

Course of Study

NYS Security Guard

- Customer Service & Public Relations
- Crime Prevention & Physical Security
- Communications & report Writing
- Post Assignment & Security Patrols
- Defensive Tactics & Officer Safety
- Arrest and Search Techniques
- Emergency Response Procedures
- NYS Criminal & Civil Law

Certifications

- Nationally Certified Protection Officer
- NYS Security Guard

21st Century Skills

- Communication
- Decision Making
- Interpersonal
- Customer Service
- Leadership

Law Enforcement Fundamentals

- Ceremonial Drill
- Traffic Enforcement
- Arrest Procedures & Processing
- Penal Law
- Criminal Procedure Law
- Courts & Court Procedures

Certifications

- AED, CPR & FIRST AID (Theory & Practical)
- AED, CPR & FIRST AID (National Exam)
While performing extensive hands-on work, students will learn welding techniques in gas metal arc welding, gas tungsten arc welding, shielded metal arc welding, plasma arc cutting, and oxyacetylene brazing and cutting in a state-of-the-art lab. These processes will be learned on steel, stainless steel and aluminum metals. Students will learn to process work orders, identify the correct repair procedure, and perform new material layout and fabrication from a blueprint. Upon completion of this course students will be prepared to take a variety of welding certification tests.
Program Highlights

- American Welding Society (AWS)
- Nationally-recognized “Sense” Program
- Curricula Preparing Both Certified Entry Level and Certified Advanced Level Welders
- Classes Taught by Nationally Certified Welding Educator and Welding Inspector
- Students Learn How to Weld Steel, Aluminum, and Stainless Steel in all Welding Positions
- Types of Welding Taught:
  - Gas Metal Arc Welding
  - Shielded Metal Arc Welding
  - Gas Tungsten Arc Welding
  - Flux Cored Arc Welding

Career Connections

- Welding Technician
- Steel Fabrication
- Engineer
- Certified Welding Instructor
- Certified Welding Inspector
- Manufacturing
- Union Iron Worker
- Pipefitter
- CNC Machine Operator
- Welding Supply Sales
- Entrepreneur
- Welding Inspection & Quality Control

Articulation Agreements

- Clinton Community College
- Alfred State
- SUNY Canton
- Lincoln Technical Institute
- Mohawk Valley
- SUNY Delhi

Certifications

- American Welding Society (AWS)
- NWRC/21st Century Skills

Course of Study

Shielded Metal Arc Welder

- Structural Steel 3/16” - 1”
- Use of All Four Electrode Groups
- All Position Groove and Fillet Welds
- AWS Workmanship Qualification Testing

Gas Metal Arc Welder

- Fillet and Groove Welds All Positions
- Short Circuit Transfer Mode
- Spray Transfer Mode
- AWS Workmanship Qualification Testing

Gas Tungsten Arc Welder

- Aluminum, Steel and Stainless Steel Welds
- Fillet and Groove Welds in all Positions
- AWS Workmanship Qualification Testing

Flux Cored Arc Welding

- Structural Steel Welding from 1/4” - 1”
- Fillet and Groove Welds in all Positions
- AWS Workmanship Qualification Testing

Welders Helper

- Oxy-Acetylene Welding, Cutting and Brazing
- Use of Measurement Tools
- Plasma Cutting
- Track Torch Operator

Weld Fabricator

- Blueprint Reading
- Weld Symbols
- Completion of all the Workmanship Qualification Testing to earn AWS Certified Entry Level Welder Certification
Employability Skills Seminars

Employers have indicated that **Employability** or **Essential Skills**, such as teamwork, effective communication and critical thinking are the most in-demand skills in today’s job market. Our rigorous career and technical education (CTE) programs help students develop these transferable skills through hands-on application in our classrooms, labs, and work-based learning (WBL) experiences. CV-TEC utilizes the Employability Skills Framework, along with the input of our business and industry partners to develop real-world relevant workshops and seminars that target these marketable skills.

**CAREER & TECHNICAL EDUCATION (CTE)**

Developing **essential** employability skills to bridge the work readiness gap!
Career Planning Seminar
In this seminar, students will learn the importance and proper steps in the career planning process. They will also complete skills and interest inventories and use that information for targeted career research. An employer informational session will allow students to network with professionals in the field and ask questions from their research. Students will learn more about the companies in our community and the specific requirements for the careers within the industry.

Financial Literacy Seminar
CV-TEC will provide financial literacy training through targeted lessons that focus on budgeting, savings, investing, credit scores and loans, as well as identity theft. As a culminating project, we will collaborate with our local credit unions and business and industry partners to offer our graduates Mad City Money Reality Fair, a hands-on financial literacy simulation. Students will apply the skills learned in the classroom to create a realistic monthly budget. They will gain a deeper understanding of what it is like to budget for monthly expenses, while managing their debt and saving for the future.

Job Seeking Seminar
The Job Seeking workshops allow our CTE students to acquire the critical skills needed to be successful in the job seeking process. They will gain experience tailoring their cover letter and resume to apply for posted positions. Students will also learn valuable networking skills, and perfect their elevator pitch. Mock interviews will allow our students to feel confident answering common interview questions, while learning important tips to be able to articulate their skills in a job interview. To culminate these experiences, our CTE students will participate in a Job Fair. This event will allow them to gain access to local organizations/agencies, while previewing and interviewing for summer jobs, internships, and other career opportunities in our area.

Employability Skills Workshops
• Customer Service Excellence
• Effective Workplace Communications
• Innovation and Entrepreneurship
• Learning to Lead
• Teamwork for the Trades
• Technology in the Workplace
CTE students will earn micro-credentials upon completion of each workshop.

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Work Based Learning

At CV-TEC, Work Based Learning (WBL), combined with employability skills training are critical components to preparing students for their chosen career path. These experiences make school-based learning more relevant by providing students with the opportunity to apply knowledge and skills learned in the classroom to real world situations. Students gain work experience and are exposed to various career options. In turn, they develop an understanding of the range of post-secondary options available to them, including college, technical training, and entry-level skilled employment.

To meet the needs of our diverse Career and Technical Education (CTE) student population, we offer a wide variety of Work Based Learning (WBL) options. These may be exploratory in nature or a culminating paid experience designed to perfect and expand skills through on-the-job training. CTE teachers recommend students for these WBL opportunities based on their good academic standing, technical proficiency, and workplace behaviors, including attendance. The certified WBL coordinator, along with the teacher, student and employer develop individually tailored objectives or training plans for each student placement. Students are required to complete time sheets documenting their WBL attendance and learning experiences, and upon completion, the workplace supervisors/mentors will verify and provide feedback to students.

BECOME A CV-TEC BUSINESS AND INDUSTRY PARTNER TODAY!!
NY State Registered WBL Programs

Career Exploration Internship Program (CEIP)
- Career awareness, exploration Unpaid
- Hazardous occupations prohibited
- Students age 14+

Cooperative Career & Technical Education Work Experience Program (CO-OP)
- Career development, skill specific
- Paid or unpaid
- Hazardous occupations allowable with student-learner exceptions
- Students age 16+
- Requires supervised on-the-job training, related in-school instruction, a memorandum of agreement for the extended classroom, and a student training plan.

Youth Apprenticeship Program
- Paid on-the-job training; apprentices train under the guidance of experienced journey workers.
- Related classroom training
- Students age 18+

Other WBL Options
- Industry Speakers and Tours
- Job Shadowing
- Community Service/Volunteering and Service Learning
- Career-Focused Research Project
- School-Based Enterprise
- Onsite-Site Project (Community Based)
- Clinical Experience

BENEFITS OF WORK BASED LEARNING

FOR STUDENTS:
- Establish clear connections between education and workplace
- Develop awareness of career options
- Build technical skills through real-world scenarios
- Increase understanding of workplace expectations and skills needed
- Discover networking opportunities with potential employers
- Promotes employability skills and positive work habits

FOR BUSINESSES:
- Develop your future workforce
- Build a stronger community
- Create improved work culture through mentoring opportunities
- Increase company awareness

CV-TEC WORKS WITH MORE THAN 200 BUSINESSES DURING THE SCHOOL YEAR TO PROVIDE OUR CTE STUDENTS WITH WORK BASED LEARNING OPPORTUNITIES, AND WE CONTINUE TO LOOK FOR NEW PARTNERSHIPS.

100% OF OUR CTE STUDENTS PARTICIPATE IN WBL

These WBL options follow all Fair Labor Standards Act (FLSA) regulations and local labor requirements, allowing students to work on-site a maximum of four, one-half days per week. When not at the work site, students attend their CV-TEC programs for further related technical training and academic instruction.

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CO-SER 103
CV-TEC provides Adult and Continuing Education programs and services on site to area post-secondary (adult) learners on all three of our CV-TEC Campuses. Programming is also offered at several off-campus community locations. Programming for post-secondary (adult) learners include: CTE Daytime Programs of Study, short-term courses, and continuing education evening courses.

Career & Technical Education for Adults
Adults can register for any CV-TEC daytime Career and Technical Educational (CTE) program on a space available basis. Enrollment is self-pay or with special funding through CV-TEC Literacy, HSE, and Job Skills Training (JST) Program, ACCESS-VR, CCETA, DOL, Veterans Administration or other sources including special training vouchers. Low interest loans are also available through the Sallie Mae Corporation. Programs for adults who wish to enter, re-enter and/or gain advancement in employment are offered during the daytime and in shorter courses in the evening on all campuses.

Continuing Education Courses
Numerous continuing education courses are offered to adults on various campuses. The courses are offered year-round for any interested adult. These are offered in conjunction with Career and Technical Education courses.

A registration fee is set to cover the costs of the programs. Although courses vary by semester, some frequently offered courses have included:

- Assembling Industry: Manufacturing & Education (AIME)
- Blueprint reading
- Introduction to Computers
- Precision Measurement
- Welding
Commercial Driver’s License (CDL)

CV-TEC offers a popular 60-hour CDL Tractor Trailer Driving Program for those seeking to receive a Class A driver’s license from the Department of Motor Vehicles. The program features an extremely high pass rate and offers participants a flexible driving training schedule. Candidates must possess a CDL permit prior to acceptance, and must pass a drug and medical examination prior to admission.

Business and Industry Training Programs

Training programs for business and industry designed to meet the educational needs of local businesses are available in technical, academic and 21st Century Skills areas.

Customized Training For Business And Industry

Customized training programs are tailored to meet the needs of local business and industry. These programs are designed to upgrade employees’ technical and management skills. These programs can be designed cooperatively, based on the needs and interest of our business partners. Tuition and fees will vary depending on the length and content of the training program.

Adult Literacy Education

Co-Ser 950

CV-TEC offers free Adult Basic Education, Adult Secondary Education, and High School Equivalency preparation to adults, age 18 or older. Programs are offered at the OneWorkSource Centers in Plattsburgh and Elizabethtown, Champlain Library, United Methodist Church in Keeseville, North Country Community College, Behavioral Health Services North, CV-TEC, Ellenburg Depot Fire House and Twin Oaks Halfway House. Instruction is provided through distance learning programs and ABE/ASE classes. CV-TEC’s Adult Literacy programs are all New York State approved and taught by certified teachers. CV-TEC is an approved Test Assessing Secondary Completion (TASC) test site in both Plattsburgh and Mineville.

ABE/ASE Classes

Offered in Clinton & Essex counties at various locations. Classes are offered during morning, afternoon and evening sessions.

Job Skills Training

Funding is available for eligible adults to enroll in job skills training programs. Training programs include Certified Nursing Assistant, Home Health Aide, Welding, Computer Classes, CDL, Customer Service Training and Assembling Industry: Manufacturing and Education (AIME).

Distance Learning Programs

A variety of programs are available for students who are unable to attend an ABE/ASE class. Students study at their own pace and in their own setting. Individualized lesson plans are developed for students and materials are delivered every two weeks to a library of the students’ choosing. Students may also choose to pick up and drop off materials every two weeks at the OneWorkSource centers.

Other Career Certificate Programs

Adult Online Learning Experiences

CV-TEC offers hundreds of adult online education courses. Participants may enroll in a variety of instructor led, self-paced or enhanced tutorials at affordable prices. Participants can enjoy the convenience of learning at home and of accessing coursework 24/7. Students can select from a number of national online Ed2Go programs through CV-TEC. Certificates of completion are provided by Ed2Go in a number of career and technical programs.
Commercial Drivers License (CDL-A)
Adult Education Course - 60 Course Hours
Plattsburgh Satellite Campus

The Tractor Trailer Driver Training Program is a 60-hour, experiential course offering instruction on a variety of topics such as: Introduction to the Tractor Trailer, Vehicle Control Systems, Inspections, Basic Control, Proficiency Development, Safe Operating Procedures, Advanced Operating Procedures, and Street Driving. Completion of the CDL Class A program leads to eligibility for Department of Motor Vehicle testing and licensure.
Program Highlights
- 60 Hours “Cab” Time
- Instructor-Student Ratio: 2:1
- Emphasis on Driving Skills
- Introduction to the Tractor Trailer
- Control Systems
- Inspections
- Proficiency Development
- Advanced Operating Procedures
- Street Driving
- Assistance in Testing Arrangements

Career Connections
- CDL-A Driver

Prerequisites
- Must be 21 Years of Age or Older
- CDL Class A Driver’s Permit (DMV)
- Recent Physical Examination (DOT)
- Recent Drug Test (DOT)
- Previous Experience with Standard Shift Vehicle
- Background Check

Certifications
- NYS Licensure

Course of Study

Introduction
- Commercial Motor Vehicles
- Commercial Driver License (CDL) & Commercial Learner Permit (CLP) Classes, Endorsement & Restrictions
- CDL and CLP Requirements
- CDL Tests
- Additional Requirements for Bus Drivers
- Driver Disqualifications
- Other Commercial Privilege Rules
- International Registration Plan
- International Fuel Tax Agreement

Basic Control
- Starting, Warming Up & Shutting Down
- In Motion & Stopping
- Backing in a Straight Line
- Turning
- Range Exercises & Practice
- Pre-Street Range Test
- Coupling and Uncoupling

Proficiency Development
- Backing
- Space Management
- Speed Management
- On-Street Proficiency Development

Safe Operating Procedures
- Visual Search
- Lane Changing
- Passing, Merging, Exiting & Turning
- Parking Procedures
- Preparing for Street Lessons

Advanced Operating Procedures
- Diagnosing & Reporting Malfunctions
- Troubleshooting & Problem Solving
- Reporting Requirement: Log Books
- Night Operation

Street Driving
- Controls
- Function of Vehicle Instruments
- Shifting
- Types of Vehicle Inspections
- Inspection Details
- Pre-Trip Inspection Procedures
- En-Route and Post-Trip Inspections
- Additional Procedures for Special Vehicles
- Reporting
- Vehicle Systems
Nurse Assisting (CNA)  
*Adult Education Course - 60 Course Hours/32 Clinical*

Enter the world of health care! Learn skills used across the industry in a wide variety of health care occupations. Didactic, lab practice, job shadowing and clinical experiences are integral parts of the program. Students receive preparation for entering a health career as a Certified Nurse Assistant. CNAs are an integral part of the medical team. They have direct contact with patients/clients and families, and deliver personal care to clients who need assistance. Students will learn basic principles and skills required to care for clients.
Program Highlights
- Patient Care Skills
- First Aid
- CPR
- Medical Terminology
- Vital Signs Measurement
- Infection Control
- Medical Abbreviations
- Body Structure & Function
- Nutrition
- Safety in the Health Care Environment

Career Connections
- Certified Nursing Assistant
- Clinical Assistant
- With Further Education: Licensed Practical Nurse, Registered Nurse, Radiology Technician, Surgical Technologist

Certifications
- New York State Certification as a Nursing Assistant

Course of Study

Safety in the Healthcare Setting
- Body Mechanics
- Universal Precautions
- Gowning, Gloving

Hand Washing

Legal and Ethical Issues
- Confidentiality
- HIPAA Regulations

Personal Care Skills
- Bathing
- Feeding
- Hand and Nail Care

Body Structure and Function
- Aging Process
- Body Systems

Medical Terminology & Abbreviations

Nutrition
- Therapeutic Diets
- Heart Healthy Diet

Skills
- Personal Care Skills
- Vital Sign Measurement

Clinical Experiences
- Hands on CNA Training
- 30 Clinical Hours
- Simulated Lab Practice
Practical Nursing (LPN)
Adult Education Program - 1160 Course Hours
Plattsburgh Main Campus

Become a Licensed Practical Nurse (LPN)! Classroom, lab practice, job shadowing and clinical experiences are integral parts of the program. Students receive preparation for entering a health career in Practical Nursing. This program is a great start for continuing in a postgraduate health profession career pathway. Students gain the skills and knowledge that will allow them to deliver safe, effective nursing care, working in partnership with Registered Nurses and other health care team members. This is a 1160 hour, adult only program.
Program Highlights
- First Aid & CPR
- Issues & Ethics
- Human Body
- Nutrition
- Medical/Surgical Nursing
- Skills for the Practical Nurse: including client care, data collection, wound care, medication administration and monitoring
- Mental Health Nursing
- Maternal and Child Nursing
- Medical Terminology
- Infection-Control
- Medical Abbreviations
- Safety in the Health Care Environment

Career Connections
- Licensed Practical Nurse
- With Further Education: Registered Nurse, Radiology Technician and Surgical Technologist

Articulation Agreements
- SUNY Canton
- Clinton Community College
- North Country Community College

Certifications
- NYS License as Practical Nurse

Course of Study
Role of the LPN

Safety in the Healthcare Setting
- First Aid and CPR
- Infection Control

Issues and Ethics
- Confidentiality
- HIPAA Regulations

Medical Terminology
Medical Abbreviations

LPN Skills
- Patient Care
- Data Collection
- Wound Care
- Medication Administration
- Monitoring

Courses
- Medical Surgical Nursing
- Human Body
- Nutrition
- Mental Health Nursing
- Maternal and Child Nursing

Clinical Experiences
Shadowing Experiences
Career Preparation
Portfolio Development
Learn in depth knowledge of the 12 lead EKG and conduction system of the heart, as well as disorders that can be monitored with the EKG or other mobile monitoring systems. Our course will provide an understanding of pre-hospital emergency medicine and life saving techniques.
### Program Highlights
- First Aid
- CPR
- Medical Terminology
- Infection Control
- Medical Abbreviations
- Heart Rhythms
- Anatomy and Physiology
- Safety in the Health Care Environment

### Career Connections
- Electrocardiograph Technician
- Clinical Assistant
- With Further Education: Licensed Practical Nurse, Registered Nurse

### Certifications
- NYS Licensure

### Course of Study

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Phlebotomy

Adult Education Course - 70 Course Hours

Plattsburgh Main Campus

Phlebotomy training prepares students to perform finger and venous blood draws. Safety, proper infection control methods, and emergency preparedness are included in the course. Students receive preparation for entering a health career in Phlebotomy. NHA certification is offered to candidates who successfully complete the program.
Program Highlights
• First Aid
• CPR
• Medical Terminology
• Infection Control
• Medical Abbreviations
• Blood and Cell Composition
• Safety in the Health Care Environment

Career Connections
• Phlebotomy Technician
• Clinical Assistant
• With Further Education: Licensed Practical Nurse, Registered Nurse, Radiology Technician, Surgical Technologist

Articulation Agreements
• Clinton Community College

Certifications
• NYS Licensure

Course of Study
Role of the Phlebotomy Technician
Safety In the Healthcare Setting
Basic First Aid and CPR
Infection Control
Legal and Ethical Issues
• Confidentiality
• HIPAA Regulations
Cardiac Anatomy and Physiology
Blood and Cell Composition
Medical Terminology

Vital Signs
Clinical Experiences
• Hands on Phlebotomy Training
• Lab Practice
• Shadow

Certifications
• NYS Licensure
Women in Manufacturing

Adult Education Course - 128 Course Hours

The North County region is heavily dominated by the manufacturing industry. As a result, a majority of jobs are found in our local manufacturing facilities. There are multiple employment opportunities available in the area including: building train cars, buses, door operating systems and motors. CV-TEC, in association with Protech Business Solutions and, the support of various local manufacturers, have developed a hands-on training program to teach women the skills necessary to work in a manufacturing setting. The goal of this program is to enable women to pursue a career in the manufacturing field; and to provide women the opportunity to enter into high paying manufacturing jobs with the opportunity for advancement.

Women in Manufacturing

The demand for skilled, well-prepared employees is exceptionally high. “Women in Manufacturing” is a course designed specifically for women seeking to enter the industrial sector of employment. Participants will receive the training and the skills necessary for success in varied industrial settings.

Interested? Call: (518) 561-0430 x 3091
Program Outline:
• 128 Hours in-class training, on-site at the CV-TEC satellite campus
• Students will have hands-on training taught by skilled and experienced teachers
• Upon completion of the course, students will be given the opportunity to interview for jobs with top manufacturing companies in the Plattsburgh area
• *Daycare assistance may be provided if needed
• Funding opportunities may be available

Contact Us for More Information:
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Women in Manufacturing - Plattsburgh

Program Highlights
Students Will Learn To:
• Operate various hand and power tools
• Read blueprints
• Cut, crimp, solder & assemble electrical wires
• Use carpentry skills and techniques
• Assemble mechanical/electrical projects
• Write a resume
• Interview for success
• Apply workplace readiness skills
• Apply workplace safety skills

Career Connections
• Welders, Cutters, Solderers
• Power Plant Operators
• Woodworkers
• Printing
• Assemblers and Fabricators
• Processing Occupations
• Metal and Plastic Machine Workers

Articulation Agreements
• Protech Business Solutions
• CV-TEC OneWorkSource
• Opportunity to interview for jobs with top manufacturing companies in the Plattsburgh area

Certifications
• OSHA 10
• National Work Readiness Credential
• CV-TEC Women in Manufacturing Certificate of Completion
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The Value and Promise of Career Technical Education Fact Sheet

Below are some of the top findings from The Value and Promise of Career Technical Education.

**CTE Delivers for Students**

- Students in CTE programs and their parents are twice as likely to report they are “very satisfied” with their and their children’s ability to learn real-world skills as part of their current education compared to parents and students not involved in CTE.
- 86% of parents and students want real-world, hands-on opportunities as part of their high school experience.

91% of parents of students in CTE believe their child is getting a leg up on their career, compared to only 44% of prospective parents.

82% of CTE students are satisfied with their ability to learn real-world skills in school, compared to only 51% of non-CTE students.

80% of parents of students in CTE are satisfied with their ability to participate in internships, compared to only 30% of prospective parents.

- Seventy-seven percent of CTE students are satisfied with their ability to earn credits towards a certification, compared to only 44% of students not enrolled in CTE programs.
- Nearly 70% of CTE students are satisfied with their ability to engage with employers, compared to only 32% of prospective CTE students.

**College and Career are Important Goals to Parents and Students**

93% of parents and students say “finding a career that I/my child feels passionate about is important.”

85% of parents and students (involved with CTE or not) say getting a college degree is important, and as many agree (87%) it’s important to have a job that pays well.

2% of CTE students who say they “don’t know” what they will do after high school, compared to 8% of non-CTE students.

**CTE Needs Champions and Messengers**

- School counselors are the most trusted source to learn more information about CTE programs, by both parents and students, followed closely by teachers.
- Seventy-seven percent of parents and students want to hear from CTE alumni to determine if CTE is a good fit for them.
School Districts Served by CV-TEC

AuSable Valley Central School  Northern Adirondack Central School
Beekmantown Central School  Peru Central School
Boquet Valley Central School District  Plattsburgh City School District
Chazy Central Rural School  Putnam Central School
Crown Point Central School  Saranac Central School
Keene Central School  Schroon Lake Central School
Moriah Central School  Ticonderoga Central School
Northeastern Clinton Central School  Willsboro Central School

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