

START HERE...GO ANYWHERE!



2025-2026

CAREER & TECHNICAL EDUCATION PROGRAM & COURSE OVERVIEW



WWW.CVES.ORG/CV-TEC



Michele M. Friedman
*Executive Director of Career
& Technical Education
CV-TEC Division of Champlain
Valley Educational Services*

WELCOME TO CV-TEC

As the Executive Director of Career & Technical Education, I am proud to welcome you to CV-TEC. At CV-TEC, we offer a diverse range of educational programs and services, including Career & Technical Education (CTE), Adult Literacy, and Continuing Education, designed to support young professionals, school districts, and community members in Clinton and Essex Counties.

CV-TEC holds a rich and proud history in the North Country, and we are committed to carrying on that tradition of excellence across all our campuses and locations. Team CV-TEC thrives on collaboration and innovation, ensuring our programs reflect the highest standards and evolving needs of the workforce and our communities.

Champlain Valley Educational Services empowers students, schools, and communities by providing exemplary

education, training, support, and shared services. Here at CV-TEC, we take that mission to heart by preparing young professionals for success in their careers and lifelong learning, including post-secondary pathways.

We are dedicated to putting the needs of each young professional at the forefront, driving our programs and pushing us to constantly improve and grow. This commitment extends to our component districts, industry partners, and the greater community.

I invite you to visit us, tour our facilities, and discover the wealth of opportunities that CV-TEC offers.

Start Here, Go Anywhere



Adam Facteau
*Principal
CV-TEC Plattsburgh
Campus*



Mark Brown
*Principal
CV-TEC @ Learning Hub
Campus*



Kevin Shaw
*Principal
CV-TEC Mineville Campus*



Maria Huntington
*Adult Services Supervisor
CV-TEC @ OneWorkSource*

DAYTIME CAREER & TECHNICAL EDUCATION PROGRAMS



Allied Health students learn industry-wide skills used in a wide variety of healthcare occupations. Students receive preparation for careers in Certified Nurse Assisting, Certified EKG Technician, and Phlebotomy Tech.



Animal Science: Veterinary Assistant 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.



Automotive Technology teaches the skills necessary to troubleshoot and repair the complex systems of today's high-tech automobiles. Students will experience the latest technology in a hands-on electronics-based curriculum.



Construction Trades students learn all aspects of the trade, from using hand and power tools, blueprints and rough framing, to both interior and exterior finish work.



Culinary Arts Management provides hands-on training in cooking, baking, and management skills. Students operate the CV-TEC Café and cater special events.



Education & Human Services is a two-year program designed for students interested in pursuing a career in the education or human services field. The program provides students an overview of the physical, cognitive, social, and emotional characteristics and development of children. Experiences are provided in: Pre-K Programs, Day Care Programs, Head Start Programs, and K-12 General Education & Special Education Classrooms.



Animal Science: Large Animal Production is a dynamic program where students will train in all aspects of modern livestock production. Hands-on learning utilizing animals on site, along with traditional instruction, provides students with the skill set to be successful in today's animal industry.



Automotive Collision Repair focuses on collision damage repair and refinishing using the latest technology in a state-of-the-art commercial body shop. An accelerated pathway for Aerospace Application is also part of this program.



Business Management & Entrepreneurship students will learn extensive financial, marketing, and administrative concepts and procedures; including but not limited to business communications, business systems and management, and entrepreneurship.



Cosmetology students develop skills in haircutting, hairstyling, and hair coloring as well as skin care, manicuring and pedicuring. Students receive hands-on practice in our salon.



Digital Production & Multimedia Communications boasts a diverse set of skills, focusing on aspects of design, photography, video production and computer development. Students will have the opportunity to learn design concepts, color theory, typography, photography, videography, advertising, animation and website design.



Electrical Design, Installation, & Alternative Energy trains students for careers in electrical construction. 21st Century Green Energy Technology integrating solar and wind energy is part of the electrical construction training.



Start Here... Go Anywhere!

Campuses:
Plattsburgh
CVES Learning Hub
Mineville
OneWorkSource

DAYTIME CAREER & TECHNICAL EDUCATION PROGRAMS



Environmental Conservation & Forestry 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 activity-based experiences and opportunities in our outdoor classroom.



Natural Resource Management is a diverse program which develops the skills needed to become successful in a wide variety of environmental technologies, forestry, and heavy construction.



New Visions: Medical Careers is a competitive, application-based exploratory program for high school seniors expressing an interest in a post-secondary educational experience in the field of medical/health sciences. The program is a combination of academic coursework, clinical rotation/shadowing experiences, and college preparation.



Pre-CTE Automotive Services is a service-level program which provides training in basic vehicle maintenance including basic electrical, brake repair, and welding. Instruction in interior and exterior detailing is also provided.



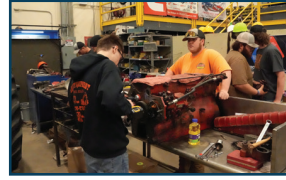
Pre-CTE Exploration (Mineville Campus) offers service level/introductory skills and competencies in three career areas: Natural Resources Management, Automotive Technology, and Construction Trades.



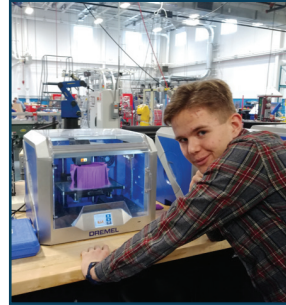
Welding teaches the knowledge and skills of metal cutting and joining techniques. Students will become familiar with the tools and equipment of the metal fabrication industry.



Work Based Learning combined with employability skills training are critical components to prepare students for their chosen career paths. Students are given the opportunity to apply knowledge and skills learned in the classroom to real world situations. All CV-TEC programs include WBL.



Heavy Equipment/Diesel Mechanics covers the basic theory, operation, and safety practices of heavy equipment. It is designed to meet entry-level needs in the field of diesel technology and repair.



New Visions: Applied Engineering is a competitive, application-based exploratory program for high school seniors expressing an interest in a post-secondary educational experience in the field of engineering. The academic curriculum is combined with practical, applied work experience as students engage in STEM concepts at the Institute of Advanced Manufacturing and clinical observations with business and industry partners in the field.



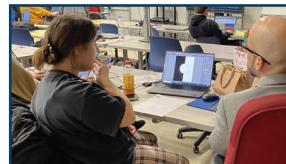
Practical Nursing (LPN) is a rigorous 10-month program that encompasses 1,160 hours of instruction. Enter the world of nursing by preparing for licensure and employment in hospitals, clinics, physician's offices, nursing homes and home care. This program is application-based for adult (post-secondary) students only.



Pre-CTE Food Services is a service-level program which provides specific preparation for employment in the food service industry including entry level positions for kitchen helpers, fast food cooks, bakers, etc.



Security & Law Enforcement is a para-military academy providing training in arrest procedures, self-defense, handcuffing, forensics, and more. Work experiences are available with numerous law enforcement agencies.



Employability Skills Seminars or Essential Skills, such as teamwork, effective communication and critical thinking are the most in-demand skills in today's job market. All CV-TEC programs include the Employability Skills training seminars.

Financial Aid Available



**Start Here...
Go Anywhere!**

(518) 561-0100
www.cves.org
#CTEisEssential

CAREER & TECHNICAL EDUCATION (CTE)

All CV-TEC CTE Programs provide hands-on, real-world training in nearly 30 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 1134.

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 | First Year Students** - 8:30 a.m. - 11:25 a.m.
- **PM Session | Returning Students** - 12:00 p.m. - 2:55 p.m.

First year students attend in the morning session and returning students attend in the afternoon session. New Vision students are scheduled by CV-TEC.

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.



WHAT YOU NEED TO KNOW ABOUT CV-TEC CTE PROGRAMS



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.

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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.

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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, 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.

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Can CV-TEC CTE Programs prepare me for post-secondary education?

Yes, CV-TEC students can earn college credits through articulation agreements (page 8) 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.

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How do I enroll?

Enrollment into a CV-TEC CTE Program is completed at your home school district's counseling office. Post-secondary student enrollment is completed at the CV-TEC Student Services office at the CV-TEC Plattsburgh Campus.



CV-TEC Career & Technical Education (CTE) Program	Articulated College Agreements	Dual Enrollment College Agreements	NYS Licensure or Corporate/ National Association Certification	Approved High School Integrated Academic Credit NYSED Regulations: 100.5(6), 100.5(7) (Maximum, 10 Credits)
Allied Health	Clinton Community College, 7 cr. CV-TEC LPN Program, 10 hours	Clinton Community College, 3 credits North Country Community College, 3 credits	CNA, EKG, First Aid/ CPR Certifications; Phlebotomy Certification Prep; OSHA-10: Healthcare; NWRC/ 21st Century Skills**	CTE English; CTE Health; CTE Mathematics; CTE Science; CFM*; NYSED CDOS Credential
Animal Science: Large Animal Production	Clinton Community College, 3 credits SUNY Canton, 2 cr. SUNY Cobleskill, 9 cr. SUNY Delhi, 3 cr.	Clinton Community College, 3 credits; SUNY Morrisville, 6 credits	OSHA-10: Agriculture; NWRC/ 21st Century Skills**	CTE English; CTE Health; CTE Mathematics; CTE Science; CFM* NYSED CDOS Credential
Animal Science: Veterinary Assistant	Clinton Community College, 3 credits SUNY Canton, 2 cr. SUNY Cobleskill, 9 cr. SUNY Delhi, 3 cr.	Clinton Community College, 3 credits;	NWRC/ 21st Century Skills**	CTE English; CTE Health; CTE Mathematics; CTE Science; CFM* NYSED CDOS Credential
Automotive Collision Repair	Clinton Community College, 3 credits Lincoln Technical Institute SUNY Canton, 5 cr. UTI, Proficiency Credit or \$1000 tuition Wyotech, Scholarship Available	Clinton Community College, 3 credits	ASE Certification Preparation; Auto Lift Institute Certification; NWRC/ 21st Century Skills**	CTE English; CTE Mathematics; CTE Science; CFM* NYSED CDOS Credential
Automotive Technology	Clinton Community College, 3 credits Lincoln Technical Institute SUNY Canton, 3 cr. SUNY Delhi, 7-12 cr. University of N.W. Ohio, 6 cr. UTI, Proficiency Credit or \$1000 tuition Wyotech, Scholarship Available	Clinton Community College, 3 credits North Country Community College, 3 credits	ASE Certification Preparation; NYS Inspection Licensure; Auto Lift Institute Certification; OSHA-10: General Industry; First Aid/ CPR Certification; NWRC/ 21st Century Skills**	CTE English; CTE Mathematics; CTE Science; CFM* NYSED CDOS Credential
Business Management & Entrepreneurship	Clinton Community College, 12 credits North Country Community College, 3 cr.	Clinton Community College, 3 credits	First Aid/CPR, AED Certifications; NWRC/ 21st Century Skills**	CTE English; CTE Mathematics; CFM* NYSED CDOS Credential
Construction Trades	SUNY Alfred, 10 credits Clinton Community College, Plattsburgh 3 credits; Mineville 15 credits SUNY Delhi, 6 cr.	Clinton Community College, 3 credits North Country Community College, 3 credits	OSHA-10: Construction; First Aid/ CPR Certification; NWRC/ 21st Century Skills**	CTE English; CTE Mathematics; CTE Science; CFM* NYSED CDOS Credential
Cosmetology	Clinton Community College, 3 credits North Country Community College, 3 cr.	Clinton Community College, 3 credits North Country Community College, 3 credits	NYS Licensure; OSHA-10: Cosmetology; First Aid/ CPR Certification; NWRC/ 21st Century Skills**	CTE English; CTE Health; CTE Mathematics; CTE Science; CFM* NYSED CDOS Credential
Culinary Arts Management	Clinton Community College, 3 cr. Culinary Institute of America, 3 cr. Johnson & Wales, 4.5 cr. SUNY Canton, 6 cr. Paul Smiths College, 3 cr. SUNY Broome, 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	Clinton Community College, 3 credits	National Restaurant Association (NRA), Serv Safe, and First Aid/ CPR Certifications; NWRC/ 21st Century Skills**	CTE English; CTE Health; CTE Mathematics; CTE Science CFM* NYSED CDOS Credential
Digital Production & Multimedia Communications	Clinton Community College, 12 cr. SUNY Canton, 15 cr. SUNY Cobleskill, 4 cr. (CCNA) North Country Community College, 6 cr.	Clinton Community College, 3 credits	NWRC/ 21st Century Skills**	CTE English; CTE Mathematics; CTE Science; CFM* NYSED CDOS Credential
Education & Human Services	Clinton Community College, 18 cr. SUNY Canton, 3 cr. SUNY Cobleskill, 3 cr. Herkimer Community College, 6 cr.	Clinton Community College, 18 credits	First Aid/ CPR Certifications; Child Development Associate (CDA) Credential Preparation; NWRC/ 21st Century Skills**	CTE English; CTE Health; CTE Science; CFM* NYSED CDOS Credential
Electrical Design, Installation & Alternative Energy	Clinton Community College, 15 cr. Lincoln Technical Institute SUNY Delhi, 4 cr.	Clinton Community College, 3 credits	IBEW Certification Preparation; First Aid/ CPR Certification; OSHA-10: Construction; NWRC/ 21st Century Skills**	CTE English; CTE Mathematics; CTE Science; CFM* NYSED CDOS Credential

CV-TEC Career & Technical Education (CTE) Program	Articulated College Agreements	Dual Enrollment College Agreements	NYS Licensure or Corporate/ National Association Certification	Approved High School Integrated Academic Credit NYSED Regulations: 100.5(6),100.5(7) (Maximum, 10 Credits)
Environmental Conservation & Forestry	Clinton Community College, 7 cr. Paul Smiths, 3 cr.	Clinton Community College, 3 credits North Country Community College, 3 credits	Level I Game Logging; First Aid/ CPR Certifications; OSHA-10: Construction; NWRC/ 21st Century Skills**	CTE English; CTE Mathematics; CTE Science; CFM* NYSED CDOS Credential
Heavy Equipment/ Diesel Mechanics	Clinton Community College, 3 credits Lincoln Technical Institute, 10.5 cr. Nashville Auto Diesel College, Proficiency cr. SUNY Canton, 5 cr. University of N.W. Ohio, 6 cr. UTI, Proficiency Credit or \$1000 tuition Wyotech, Scholarship Available	Clinton Community College, 3 credits	ASE Certification Preparation; Auto Lift Institute Certification; NWRC/ 21st Century Skills**	CTE English; CTE Mathematics; CTE Science; CFM* NYSED CDOS Credential
Marine Technology	Clinton Community College, 3 credits SUNY Canton, 6 cr. Lakes Region Community College, 3 cr. UTI, Proficiency Credit or \$1000 tuition Wyotech, Scholarship Available	North Country Community College, 3 credits	Auto Lift Institute Certification; OSHA-10: General Industry; First Aid/ CPR Certification; NWRC/ 21st Century Skills**	CTE English; CTE Mathematics; CTE Science; CFM* NYSED CDOS Credential
Natural Resource Management	Clinton Community College, 7 cr. Paul Smiths, 3 cr.	Clinton Community College, 3 credits North Country Community College, 3 credits	Level I Game Logging; First Aid/ CPR Certifications; OSHA-10: Construction; NWRC/ 21st Century Skills**	CTE English; CTE Mathematics; CTE Science; CFM* NYSED CDOS Credential
New Visions: Applied Engineering	North Country Community College, 15 cr.	Clinton Community College, 26 credits North Country Community College, 10 credits	NWRC/ 21st Century Skills**	CTE; English 12; Math, Science, Technology
New Visions: Medical Careers	Albany College of Pharmacy, \$10,000 scholarship SUNY Canton, Guaranteed Admission into SUNY Canton's Physical Therapist Assistant Program	Clinton Community College, 12 credits North Country Community College, 16 credits (South) North Country Community College, 3 credits (North)	First Aid/ CPR Certification; NWRC/ 21st Century Skills**	Anatomy & Physiology; English 12; Government and Economics; Health Career; Medical Terminology
Security & Law Enforcement	SUNY Canton, 3 cr. Clinton Community College, 6 cr. Herkimer Community College, 6 cr. North Country Community College, 9 cr.	Clinton Community College, 3 credits North Country Community College, 3 credits	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**	TE English; CTE Government; CTE Physical Education; CTE Science; CFM* NYSED CDOS Credential
Welding	Clinton Community College, 3 credits Alfred State, 7 cr. SUNY Canton, 2 cr. Lincoln Technical Institute Mohawk Valley, 5 cr. SUNY Delhi, 7 cr.	Clinton Community College, 3 credits	American Welding Society (AWS); National Coalition of Certification Centers (NC3); NWRC/ 21st Century Skills**	CTE English; CTE Mathematics; CTE Science; CFM* NYSED CDOS Credential
CPR	NA		NYS Licensure	NA
CDL	NA		NYS Licensure	NA
EKG Technician	NA		NYS Licensure	NA
LPN	SUNY Canton, 3 cr. Clinton Community College, 9 cr. North Country Community College, 17 cr.		NYS Licensure	NA
Paralegal	NA		National Certification	NA
Phlebotomy	Clinton Community College, 2 cr.		NYS Licensure	NA

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.



FFA - Future Farmers of America



FFA is an intracurricular student organization for those interested in agriculture and Leadership. FFA is a dynamic youth organization that changes Lives and prepares members for premier Leadership, personal growth and career success through agricultural education. FFA develops members' potential and helps them discover their talent through hands-on experiences, which give members the tools to achieve real-world success.



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.



Champlain Valley Technical Education & Careers (CV-TEC) Division

CV-TEC MISSION

The primary mission of the Champlain Valley Technical Education & Careers (CV-TEC) Division is to prepare students for successful careers and lifelong learning including post-secondary education.



DIVISION OVERVIEW

CV-TEC, the Career and Technical Education (CTE) Division of CVES, is the primary provider of Career and Technical Education, Adult Literacy, Job Skills Training & Continuing Education programs and services for secondary and postsecondary (adult) students in Clinton & Essex Counties. The CV-TEC Division offers programs and services on multiple campuses: the CV-TEC Plattsburgh Campus, the CV-TEC Learning Hub and CV-TEC at the Institute of Advanced Manufacturing all located in Clinton County and the CV-TEC 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), Corrections Education, English as a Second Language, and Job Skills Training (JST) programs and opportunities for adult learners in Clinton & Essex Counties.

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. CV-TEC also offers service level Pre-CTE programs as well as accelerated, competitive one-year CTE New Visions programs.

In addition, the CV-TEC Division offers comprehensive and extensive programming for Adult & Continuing Education and specialized Business & Industry Training. Online High School courses are also available for interested students.

CV-TEC Cooperative Services (Co-Sers)

Career and Technical Education (CTE) with Integrated & Specialized Academics

Co-Ser 101 Plattsburgh Campus

Co-Ser 102 Mineville Campus

Co-Ser 104 Learning Hub

Pre-CTE (Job Target) Program

Co-Ser 115 Plattsburgh Campus

Co-Ser 116 Mineville Campus

Co-Ser 411 Online High School Courses

Co-Ser 425 Incarcerated Youth

Co-Ser 103 Adult and Continuing Education

Co-Ser 920 Dislocated Worker & Out-of-School Youth

Co-Ser 950 Adult Literacy Education

Co-Ser 952 Adult Basic Education

Corrections Education

Literacy Zone

Co-Ser 994 Essex County

Co-Ser 996 Clinton County

Co-Ser 995 Clinton County

Co-Ser 997 Essex County

Career and Technical Education (CTE) with Integrated Academics

Co-Ser 101 Plattsburgh Campus

Co-Ser 102 Mineville Campus

Co-Ser 104 Learning Hub

CV-TEC: Start Here, Go Anywhere!

CV-TEC remains at the forefront of Career and Technical Education (CTE), responding to workplace innovations by offering cutting-edge programs that are aligned with both state and national industry standards. Our New York State Education Department (NYSED)-approved, competency-based programs provide practical, hands-on training for high school and post-secondary students. With over 30 diverse CTE programs, students can choose specialized career pathways that support their high school graduation goals and prepare them for future success.

Most high school students enrolling in CTE at CV-TEC will engage in a two-year program, where they split their time between their home school and one of our CV-TEC campuses. This structured learning approach allows students to build both technical expertise and essential 21st Century skills, positioning them for immediate entry into the workforce or further post-secondary education and training.

CV-TEC's programs integrate core academic instruction alongside Work Readiness Skills development. Students who successfully complete their CTE program will earn high school credits toward graduation, advanced college credit, industry-recognized certifications, credentials, or licenses. Additionally, students will participate in work-based learning experiences, which may include both paid and unpaid placements. Upon passing a rigorous state or national industry assessment, students are eligible for the prestigious NYSED Advanced Regents Designation with the Career and Technical Education (CTE) Endorsement Seal, signifying their preparedness for the challenges and opportunities of the modern workforce.

CV-TEC Daytime Career and Technical Education (CTE) Program Descriptions

Allied Health I and II

Available at the Plattsburgh Campus & Mineville Campus

Explicit skills that are used in broad variety of occupations across the health care industry are the focus of this program. Lab practice, simulations, job shadowing and clinical experiences are an integral part of this program. Students receive instruction and preparation for the NYS Certified Nurse Assistant (CNA), Certified EKG Technician and Phlebotomy Technician exams and qualifications. This program is an excellent start for entering the health care field or for continuing in a post-secondary health profession career pathway.

Animal Science: Large Animal Production

Available at the Plattsburgh Campus

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 to a career or choose to enroll in post-secondary education to



earn a degree in an animal-related field.

Animal Science: Veterinary Assistant

Available at the Plattsburgh 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 to a career or choose to enroll in post-secondary education to earn a degree in an animal related field.

Automotive Collision Repair

Available at the Plattsburgh Campus

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. Students will repair frames and unibody vehicles, repair auto plastics and fiberglass, install glass and learn custom painting and refinishing techniques. Students may also qualify for the accelerated pathway which can lead to certification as an FAA approved Aerospace Coating Applicator Specialist (ACAS) Certification as part of our partnership with BETA Technologies. Students will be prepared for the growing job market in the collision repair industry and related fields.

Automotive Technology

Available at the Plattsburgh Campus & Mineville Campus

This program teaches students the skills necessary to troubleshoot and repair the complex systems of today's high-tech automobiles. Students will 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.



Business Management & Entrepreneurship

Available at the Plattsburgh Campus

Students will learn extensive financial, marketing, and administrative concepts and procedures; including but not limited to business communications, business systems and management, and entrepreneurship. In collaboration with industry leaders, students will apply the business skills gained to conceive, plan, and create a business plan. Students will create a professional portfolio that will provide a winning edge for immediate or future employment. Students may also have the opportunity to earn dual and articulated college credit forging

multiple pathways to further education or directly into the workplace.

Construction Trades

Available at the Plattsburgh Campus & Mineville Campus

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 regard 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.

Cosmetology

Available at the Plattsburgh Campus & Mineville Campus

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 have a minimum of 1000 clinical hours and to pass both a written and practical New York State Examination. This program provides the instruction to meet these requirements.

Culinary Arts Management

Available at the Plattsburgh Campus

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 commercial kitchen. Students will plan, prepare and serve meals and menu items, increasing their knowledge of food science and restaurant operations.

Digital Production & Multimedia Communications

Available at the Plattsburgh Campus

The Digital Production & Multimedia Communications Program boasts a diverse set of skills, focusing on aspects of design, photography, video production and computer development. Students will have the opportunity to learn design concepts, color theory, typography, photography, videography, advertising, animation and website design. These techniques and skills will be showcased as students make photo ID badges, develop 12-month calendars design websites and create the CV-TEC Yearbook. This Digital Production & Multimedia Communications program allows the students to gain real world experience in a structured environment while fostering creativity and utilizing 21st century skills.

Education & Human Services

Available at the Plattsburgh Campus

The Education & Human Services Program is a two-year program designed for students interested in pursuing a career in the education or human services field. The program provides students an overview of the physical, cognitive, social, and emotional characteristics and development of children. Through a combination of academics and hands-on learning, students will be responsible for developing and implementing various age-appropriate lesson plans. Pre-school age lesson plans are implemented in our very own on-site pre-school. Students learn and demonstrate developmentally appropriate knowledge of children from birth through high school age students. These, as well as other hands-on experiences, such as internships, will expose students to real-life situations and experiences in early childhood education, K-12 general and special education classrooms, and other related human services fields. Worksite experiences are provided in: Pre-K Programs, Day Care Programs, Head Start Programs, and K-12 General Education & Special Education Classrooms..



Electrical Design, Installation & Alternative Energy

Available at the Plattsburgh Campus

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.

Environmental Conservation & Forestry

Available at the Plattsburgh Campus

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. Students will participate in school-based enterprise in firewood processing,

maple syrup sales and in our greenhouse seed to sale operation.



Heavy Equipment/Diesel Mechanics

Available at the Plattsburgh Learning Hub 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.

Natural Resources Management

Available at the Mineville Campus

In the Natural Resources Management Program, students engage in hands-on learning based on current industry standards relating to sustainable forestry techniques, heavy equipment operation and maple syrup production. This program is designed to give students a better understanding of our natural resources as they train for a variety of outdoor careers. Students will learn through experience and develop both the skills to perform work properly and cultivate sensitivity to the environment in which the students work. Students will learn environmental studies, forestry and general heavy equipment operation in the outdoors. This diverse instruction will develop the skills needed to become successful in a wide variety

of environmental conservation and management careers.

New Visions: Applied Engineering

(High School Seniors by Application Only)

Available at the Plattsburgh Learning Hub Campus & Mineville Campus

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: Medical Careers

(High School Seniors by Application Only)

Available at the Plattsburgh Learning Hub Campus & Mineville 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.

Security & Law Enforcement

Available at the Plattsburgh Campus & Mineville Campus

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.



Welding

Available at the Learning Hub & Mineville Campus

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.

Academic Services

The Academic Services Department works in conjunction with our component school districts, CV-TEC Career and Technical Education (CTE) faculty and staff, and CV-TEC students to meet the New York State Education Department (NYSED) graduation requirements. Academic services are available to CV-TEC students enrolled

in our NYSED CTE Approved Programs of Study.

Services provided through the Academic Services Department:

- Integrated & Specialized Core Academic Courses as approved by NYSED
- NYSED Regents Core Academic Course Instruction & Examination Preparation
- High School Coursework for credit recovery
- Workplace Readiness Skills
- Dual Credit Courses Instruction for College Credit
- Student Professional Portfolio

High School Coursework for credit in:

- Math
- English/Language Arts
- Social Studies
- Science
- Health
- Physical Education
- Career and Financial Management
- Integrated & Specialized Core Academic Courses as approved by NYSED
- Workplace Readiness Skills integration and implementation
- Dual Credit Courses Instruction for College Credit
- Student Professional Portfolio
- Computer Assisted Instruction
- Student Leadership Development
- On-Line High School Courses

PRE-CTE PROGRAMS

Separate enrollment & intake procedures are required for component districts

The CV-TEC Pre-CTE programs are designed to deliver differentiated and targeted introductory, service-level Pre-CTE instruction. This general education program and is open to all high school students in grades 9-12. Enrollment by component districts into the Pre-CTE programs are separate from the CTE program (CoSer 101,102,104) enrollment and require additional

intake protocols. This program will allow students to explore the career field, develop technical and work readiness skills and earn two general education CTE credits. The Pre-CTE Programs meet the NYSED requirements for the Career Development and Occupational Studies (CDOS) Credential.

The following required elements are included:

- Service-level Pre-CTE Technical Skills
- Career Related Coursework
- Work-Based Learning (WBL) Experiences (54 hour minimum)
- CDOS Standards integration

Pre-CTE: Auto Services (Plattsburgh Campus)

Students in grades 9-12 will learn basic principles and practices necessary for employment in the automotive maintenance, basic repair and minor auto collision repair fields. This program will provide students with hands-on training as well as classroom instruction suited for diverse learning styles. Students will train in basic vehicle maintenance including basic electrical and brake repair. Instruction in interior and exterior detailing is also provided. This program will prepare students for job placement or and/or into the CTE Automotive Tech, Auto Collision Repair, Heavy Equipment/Diesel Mechanics, or Marine Technology Program to further their education.



Pre-CTE Exploration (Mineville)

Students in grades 9-12 will learn service level/introductory skills and competencies in three career areas: Natural Resources Management, Automotive Technology, and Construction

Trades. Students will rotate through various components of competency areas in each designated content area. This program will provide students with hands-on training as well as differentiated classroom instruction suited for diverse learning styles. This program will prepare students for job placement or and/or into the NYSED CTE Approved Natural Resources Management, Automotive Technology, or Construction Trades two-year program of study to further their education.

Pre-CTE Food Services (Plattsburgh Campus)

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 the opportunity to work in our on-site specialized commercial kitchen, school cafeterias, and other industry related facilities 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.

Online High School CO-SER 103

CV-TEC is proud to offer high school students the opportunity to take NYS-approved, online courses. Districts may select from a wide variety of Regents, Elective and Advanced Placement (AP) courses. Designed to ease scheduling and staffing challenges faced by school counselors and administrators, the CV-TEC Online High School provides a full range of high quality, instructor-led course options from two different providers: Connections Learning and Western Suffolk BOCES (WSB).

Visit www.cves.org (click on CV-TEC; scroll down to "Online Course Offerings").

Features of CV-TEC's Online High School:

- Courses approved and assigned by Principals or School Counselors

- Courses aligned with NYS Learning Standards (AAI and WSB)
- 150 consecutive day and semester-by-semester scheduling options available
- Regents courses taught by NYS-Certified Instructors (WSB)
- Affordable tuition rates
- Reimbursable expenses; districts may claim State aid (Co-Ser # A411; Activity Code: 5877)
- Prompt, local technical support offered by CV-TEC
- Courses may be augmented, supported, or taught by district-appointed personnel
- Asynchronous; contact via e-mail with course teachers
- 24/7 access to program of study
- Designed to assist or augment districts' course offerings and schedules
- Districts assign a faculty mentor to assist student through the online learning process. Mentors have ongoing access to a student's progress
- Convenient enrollment schedule (by semester): September-December; January-June
- Advanced Placement ("AP") course options available

Adult & Continuing Education

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.

Practical Nursing (LPN)

Classroom, lab practice, lab simulations, job shadowing and clinical experiences are integral parts of the NYSED accredited licensure program. Students receive preparation for the NYS licensure and entering the health field for Practical Nursing. This program is an excellent 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 licensure preparation adult only program.

Nurse Assisting (CNA)

Instruction, lab practice, lab simulation, job shadowing and clinical experiences are integral parts of the program. Students receive preparation for the NYS certification examination and to enter the health field as a Certified Nurse Assistant. CNAs are an integral part of the medical team. CNAs 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 as a certified nurse assistant.



CPR

This course leads to certification for CPR for infants, children and adults. Eight hours of instruction is provided over two sessions. Certification is available through the National Safety Council or American Red Cross.

Standard First Aid

The workshop details management of basic injuries and medical emergencies. Standard First Aid can be provided in conjunction with CPR or as a 6-8 hour stand-alone workshop. Certification is available through the National Safety Council or American Red Cross.

AED

This program provides hands on training of the Automated External Defibrillator to individuals who plan to volunteer as responders to cardiac emergencies where trained medical personnel are not immediately available. Topics include the use of the machines, maintenance of the equipment and legal liabilities to the volunteer. This workshop can be combined with CPR/First Aid or be offered as a stand-alone workshop. Certification is available through the National Safety Council or American Red Cross. This workshop is available to component districts in order to provide training for meeting the new AED mandate.

Phlebotomy

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.

Apprenticeship Programs

CV-TEC is the authorized Designated Lead Educational Agency (DLEA) certified to conduct, administer, oversee and approve classroom instruction for Union Apprenticeship Training Programs in the region. Apprenticeship Training is conducted in the areas approved by the New York State Department of Labor.

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. Current course availability and fees can be found on our website.

Commercial Driver's License (CDL) CDL-A, CDL-B & CDL B to A Upgrade

CDL-A

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.



CDL-B

CV-TEC's Class B CDL Program is a 30-hour course leading to a commercial driver's license that allows holders to drive certain types of commercial vehicles. The course is designed for individuals with limited or no experience driving a Class B commercial vehicle. Commercial vehicles that can be operated with a Class B driver's license include, but are not limited to, straight trucks, dump trucks, cement trucks, refuse trucks, delivery trucks, tow trucks, household and commercial moving trucks, grocery delivery trucks, box vans, or large buses.

CDL-B to A Upgrade

The Tractor Trailer Driver Training Program is

a 30-hour, experiential course for those who already possess a Class B CDL and want to earn their Class A CDL or already have a Class A CDL with an automatic restriction. Instruction is offered 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 Upgrade course leads to eligibility for Department of Motor Vehicle testing and licensure.

Business and Industry Training Programs

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.

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.

Adult Literacy Education

Co-Ser 950

Employment Preperation & Education

CV-TEC offers free Adult Basic Education (ABE), Adult Secondary Education (ASE), High School Equivalency (HSE,) and English-as-a-Second Language (ESL), preparation to adults, age 21 or older. Programs are offered at the OneWorkSource Centers in Plattsburgh and Elizabethtown, and various other community locations. Instruction is provided through distance learning programs and traditional face-to-face classes. CV-TEC's Adult Literacy programs are all New York State approved and taught by certified teachers. CV-TEC is an approved GED Testing Site in Plattsburgh .

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, and more.

Distance Learning Programs

A variety of programs are available for students 21 years or older who are unable to attend a traditional 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.

Co-Ser 952

Workforce Innovative & Opportunity Act (WIOA) Title II - Program 1

CV-TEC provides free adult basic education, high school equivalency, and English-as-a-second Language program to learners 16 years+ that are



officially unenrolled from their school district. Programming is offered at OneWorkSource in Plattsburgh, Elizabethtown, and various communities throughout Clinton and Essex Counties. Learners between the ages of 16-21 must attend a traditional face-to-face class. They are not eligible for distance learning.

Co-Ser 963 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, and more.

Co-Ser 920 Workplace Innovation & Opportunity Act (WIOA) Title I: Adult/Dislocated Worker/Youth-out-of-school

WIOA Title I funding is for adults, dislocated workers, and youth-out-of-school who are looking to enroll in post-secondary education or workforce training. Participants must meet eligibility criteria, and speak with an Employment & Training Counselor for initial intake.

Co-Ser 994 & 995 Workforce Innovation & Opportunity Act (WIOA) Corrections

CV-TEC provides Adult Basic Education, High School Equivalency, and English-as-a-Second Language programs to adult learners who are incarcerated. Services are provided in both Clinton and Essex County Jails.

Co-Ser 996 & 997 Workforce Innovation & Opportunity Act (WIOA) Literacy Zone

CV-TEC works closely with community partners in our Literacy Zones in Plattsburgh and Elizabethtown. Funding is used to provide case management and referral services for wrap around support services such as financial literacy, health literacy, citizenship, functional literacy, workforce readiness, and much more. Services are provided to adult learners and their immediate family members.

Career and Technical Education & Student Achievement

Students enrolled in Career Technical Education (CTE) are increasingly high performers, with higher than average graduation rates and impressive postsecondary enrollment rates. Yet the greatest value comes when students are engaged in both high-quality CTE programs of study and a rigorous academic course load.

CTE & High School Graduation

- The graduation rate for CTE concentrators is about 95 percent, approximately 10 percentage points higher than the national average.¹ In fact, nearly all states report higher graduation rates for secondary CTE students than for all students.²
- A recent study in **Arkansas** found that students who concentrated in a CTE program of study were 21 percentage points more likely to graduate from high school than their peers.³
- Additionally, CTE completers in **Washington** graduated at a rate of 88 percent compared to 79 percent of all students.⁴
- In **Massachusetts**, students who were admitted to a vocational/technical high school had a nearly 100 percent probability of graduating on time compared to a rate of about 60 percent for students who just missed the admission cutoff and attended traditional high schools.⁵

CTE & Academic Achievement

- Forty-five percent of students say CTE courses provide them with real-world examples that help them better understand academic classes.⁶

Local Snapshot: Advanced Technologies Academy – Las Vegas, Nevada

CTE programs hold students to high standards, enabling them to be successful in college and careers. In the Architectural Design program at Advanced Technologies Academy (A-TECH), students get rigorous coursework in mechanical and architectural drafting, pursue work-based learning experiences and earn free college credits for CTE classes. Originally developed to prepare students to meet the growing demand for skilled workers in Las Vegas’s architecture, engineering and construction industries, the program has since been streamlined to align with the advanced curriculum offered through the University of Las Vegas. Students in the program get exposure to hands-on learning experiences that prepare them for postsecondary education, training and careers.



As a result of A-TECH’s rigorous curriculum and high standards, 100 percent of students graduated from the program in 2015. All of these students either enrolled in postsecondary education or entered the workforce after graduating. Additionally, 92 percent of students graduated with college credit.



92%

Earned Postsecondary Credit



100%

Earned Industry-recognized Credential



100%

Graduated High School



100%

Enrolled in Postsecondary Education and/or entered workplace

https://cte.careertech.org/sites/default/files/ATECH_Final-2.pdf

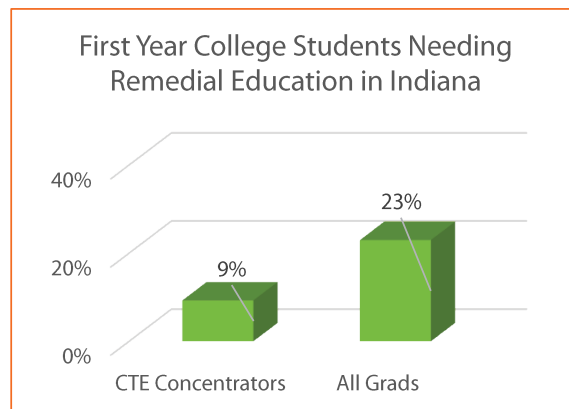
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- Early evidence shows that students engaged in high-quality CTE, like *programs of study*, do have higher achievement in academic subjects, such as English.⁷
- In **Indiana**, about eighty-five percent of CTE concentrators pass the state Algebra exam, compared to about sixty-eight percent of all students.⁸

CTE & College Preparation

- Between 1990 and 2009, the percent of CTE students completing a “college-prep” curriculum increased significantly. In fact, graduates who took between two and four CTE courses were the **most likely to complete a college-prep course load**. Sixty percent of those CTE students completed a college-prep curriculum compared to 56 percent of all high school graduates.⁹
- Eighty-six percent of high school graduates nationwide who concentrated in CTE programs in 2004 went on to enroll in postsecondary education;¹⁰ more than half earned a degree.¹¹
- Students enrolled in certified pathways through **California’s** Linked Learning District Initiative were more likely than their peers to meet entry requirements for state postsecondary institutions and enroll in postsecondary education.¹²
- In **Indiana**, CTE concentrators were less than half as likely to need remedial education in college as their peers.¹³



¹ <https://perkins.ed.gov/pims/DataExplorer/Performance> and <https://www.edweek.org/ew/section/multimedia/data-us-graduation-rates-by-state-and.html>

² https://s3.amazonaws.com/PCRN/uploads/Perkins_RTC_2014-15.pdf

³ <https://edexcellence.net/publications/career-and-technical-education-in-high-school-does-it-improve-student-outcomes>

⁴ <http://reportcard.ospi.k12.wa.us/CTEPerkins.aspx?domain=CTE&groupLevel=District&schoolId+=1&reportLevel=State&yrs=2016-17&year=2016-17> and <http://www.k12.wa.us/DataAdmin/PerformanceIndicators/GraduationRates.aspx>

⁵ <http://www.doe.mass.edu/research/reports/2014/03EdLines-CTEImpact.pdf>

⁶ <http://ctepolicywatch.acteonline.org/2014/03/2014-acte-nrccua-survey-career-prep-technical-and-academic-skills-employer-partnerships.html>

⁷ http://www.nrccte.org/sites/default/files/publication-files/nrccte_mature_pos_final.pdf

⁸ <http://www.doe.in.gov/sites/default/files/cte/17-state-cte-career-readiness-report-final-3-3-17.pdf>

⁹ https://s3.amazonaws.com/PCRN/docs/NACTE_FinalReport2014.pdf

¹⁰ <https://nces.ed.gov/surveys/ctes/tables/h134.asp>

¹¹ <https://nces.ed.gov/surveys/ctes/tables/h131.asp>

¹² http://www.linkedlearning.org/wp-content/uploads/2016/12/Executive_Summary_2016Nov22-1.pdf

¹³ <http://www.doe.in.gov/sites/default/files/cte/17-state-cte-career-readiness-report-final-3-3-17.pdf>

Work-Based Learning and CTE

Work-based learning is an educational strategy that offers learners an opportunity to reinforce and deepen their classroom learning, explore future career fields, and demonstrate their skills in an authentic, real-world setting. Work-based learning provides learners the opportunity to learn and apply employability and technical skills¹ that support success in careers and postsecondary education and can culminate in recognized postsecondary credentials².

Work-based learning includes a continuum of experiences ranging from less intensive opportunities such as career awareness and career exploration to more intensive opportunities such as career preparation and career training.

Work-Based Learning Continuum





Types of Work-Based Learning Experiences

There are many examples of work-based learning experiences along the continuum. Here are some examples of common work-based learning experiences.

Career Awareness	Career Day	A career awareness activity where employers from a variety of industries come together at a school to share information about their company, their job, and the education and skills that are required for success in their career. ⁶
	Workplace Tour	A highly-structured career awareness experience in which learners visit a workplace, learn about the business, meet employers, ask questions and observe work in progress. ⁷
Career Exploration	Career Competition	A career exploration experience requiring learners to demonstrate mastery of career-related skills through presentations or competitions that are judged by industry professionals. ⁸
	Career Mentorship	A career exploration activity where learners are matched one-on-one or in small groups with an industry professional to explore potential careers and related educational issues. ⁹
	Job Shadowing	A structured career exploration activity in which learners are paired with an employer and observe the workday, interact with clients or customers, and attend meetings and other appointments with the person they are shadowing. ¹⁰
Career Preparation	Cooperative Education (Co-op)	An intensive career preparation experience where academic programs are connected to structured work experience through which participants acquire professional and technical skills. ¹¹
	Simulated Workplace Experience	A career preparation experience where learners engage in activities that simulate work environments. ¹²
	Student Led Enterprise	A career preparation experience where students operate school-based enterprises that produce goods or services for sale or to be used by people other than the participating learner(s). ¹³
Career Training	Apprenticeship	An intensive career training experience that generally lasts from one to six years and provides a combination of on-the-job training and formal classroom instruction. ¹⁴
	Internship	A highly structured, time-limited, career training experience in which learners are placed at a worksite to observe and participate in work firsthand. ¹⁵

West Virginia's Simulated Workplace Program³

Launched in 2013, the simulated workplace program in West Virginia transforms classrooms into business enterprises, creating an authentic environment where learners can develop and practice both technical and employability skills. As of 2018, the West Virginia Board of Education requires every CTE concentrator to complete a simulated workplace program as a capstone experience.

Washington State's Career Bridge⁴

Washington's one-stop source for career and education planning, Career Bridge helps learners find and connect to a career pathway by completing career assessments, learning data about wages and the types of training needed for certain careers, and searching available programs of study that lead to careers learners are interested in.

Northern Illinois P-20 Network's Career Pathways Virtual Trailheads⁵

Launched in response to the COVID-19 (coronavirus) pandemic, Virtual Trailheads is a YouTube series that allows students to learn from professionals in a wide range of occupations. Professionals share details about their work, skills most important in their field and advice for prospective learners.

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CV-TEC Mineville Campus

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