



CENTRAL
VERMONT
**CAREER
CENTER**

2022
**Program of
Studies**

Based in the heart of Vermont,
the Central Vermont Career Center
has served students throughout the
Green Mountain State **since 1969.**

Through a **progressive outlook** on
education and the professional
opportunities of a **career-based
education**, our students learn
the skills that lead to lifetime
careers and academic excellence
for a 21st century world.

**Together, we are the future
professionals of Vermont.**



Cabot School



Harwood Union



UNION 32



Twinfield Union



Spaulding



Montpelier-
Roxbury
Public Schools

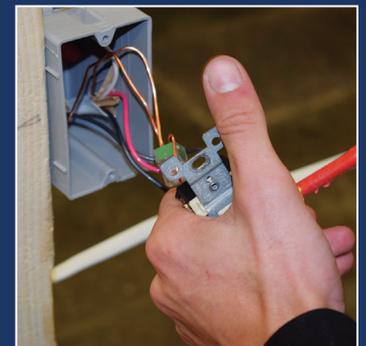
Education that **works.**

800 # of hours **EACH**
CVCC student spends
practicing their skills
during the school year.



25 students
earned **123**
college credits
across **4** programs!

130 students earned
369 credentials
across all programs!



Program of Studies

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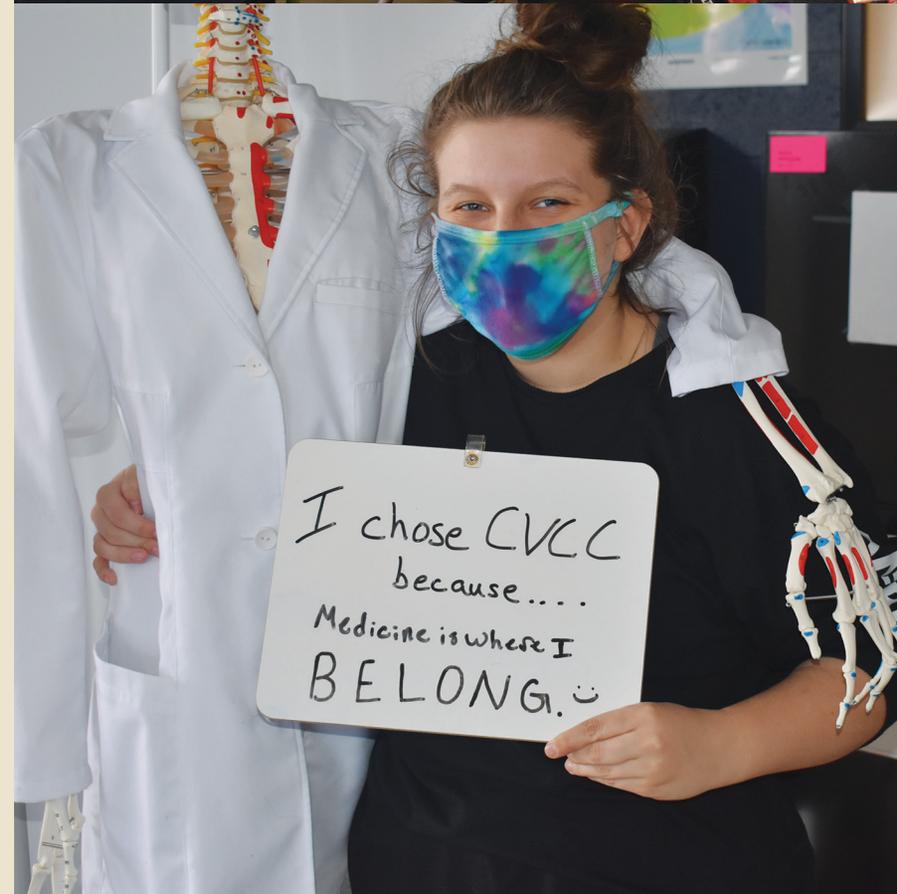
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Thank you to our students who served as front-line emergency workers during the most difficult times of the COVID-19 Pandemic.

Some photos of students included in this Program of Studies were taken pre-COVID-19. CVCC has worked diligently during the Pandemic to keep our students and staff safe.



At CVCC...

We **BUILD**

We **CREATE**

We **VENTURE**

We **COLLABORATE**

We **DESIGN**

We **LEARN**

100%

of **Electrical and
Plumbing students**
completed one year of
apprenticeship.



The CVCC Admissions Process

Visit www.cvtcc.org and www.destinationcvtcc.org to complete our online application, sign up for online events, and to learn more about CVCC Admissions!

The Path to CVCC

1. **Explore** www.cvtcc.org and www.destinationcvtcc.org
2. **Investigate** and choose two cvcc programs from the websites
3. **Complete and submit** our online application located on the websites
(Work with your counselor to complete your application)
4. **Attend Shadow/Interview Days at CVCC**

CVCC admissions decisions are made in April.
Apply early, as early applicants receive preference.



Automotive Technology

What You'll Do

Shift your career into 5th gear with Automotive Technology! Whether you love trucks, cars, ATVs or snow-machines, it all starts with understanding the automotive service industry. Get direct experience with power and hand tools, plus learn welding skills. Dive into steering and suspension, brake systems, electronics and engine performance, and prepare for General Service Technician Training. Learn proper repair and maintenance procedures to service automobiles and light trucks—a green light to success!

Career Opportunities & Typical Salaries

Automotive Technician (\$37,000)

Diesel Service Technician (\$42,000)

Heavy Equipment Specialist (\$44,000)

Aircraft Mechanic & Technician (\$55,000)

Academic Opportunities

Successful students in this program have these academic opportunities available:

- S/P2 Mechanical Safety Certification
- Mechanical and Light Duty Repair (MLR) ASE Certification
- ALI Lift Safety Certification
- Snap-On Multimeter Certification
- Ability to earn post-secondary credits and/or industry credentials while at CVCC

**“What do I most appreciate about CVCC?
Knowledge of the instructors – it’s top notch.”**

– A CVCC parent

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Vermont Proficiency-Based Graduation Indicators

While covering a full curriculum of content specific to this trade, students in this program will be trained and assessed on the following high school-level academic proficiencies using the following indicators from Vermont's Proficiency-Based Graduation Requirements. For more information about Vermont's Proficiency-Based Graduation Requirements, visit the Vermont Agency of Education's website.

- Math: 1, 2, 3, 4, 5, 6
- English & Literacy: 1, 2, 3, 4, 5, 6
- Work Based Learning: 1, 2, 3, 4, 5, 6, 7, 8, 9
- Science: 1, 2, 8
- Transferable Skills: 1, 2, 3, 4, 5
- Art: 1, 3, 4
- Phys. Ed: 1, 3, 4
- Social Studies: 1, 6, 7, 14, 20

Textbook

Automotive Technology Students use this industry-recognized text, although others may also be used throughout the year.

- Electude Automotive E-Learning (<http://www.electude.com>)

Reading Level

Textbooks and the majority of class texts in this course are written at the following grade level. The first number correlates to the grade level and the decimal refers to the monthly progress throughout the year. For example, an 11.3 would translate to an "11th grade reading level, approximately three months into the school year."

- 11.3 (Electude Automotive E-Learning)

Math Skills

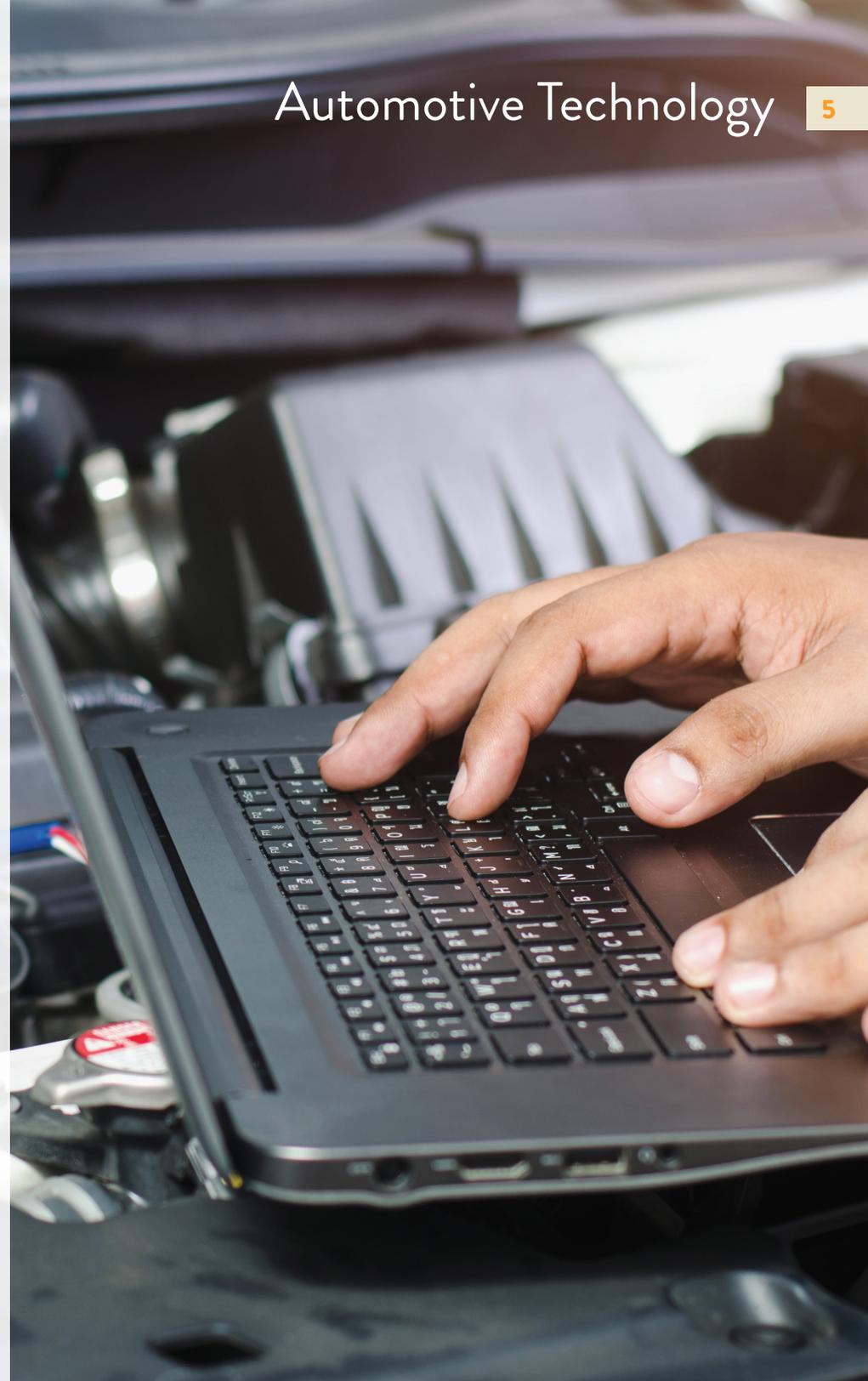
Successful students in this program should expect to master these skills.

- Reading a micrometer (digital and gauge)
- Metric system
- Fractions, decimals, percentages
- Ratios and proportions
- Ohm's Law and Pascal's Law (note: the use of these two laws require the ability to work with formulas, such as $E=I \times R$, for different needs)
- Measurement
- Basic math (addition, subtraction, multiplication, division)

CVCC Safety Exam

Every CVCC Program begins the year with safety training. Students are trained and required to pass these safety exams before they can participate in program lab settings. For more information about these exams, contact the CVCC School Counseling Coordinator.

- S/P2 Mechanical Repair Safety Certification



Baking & Culinary Arts

What You'll Do

The folding of a croissant, the lattice work of a pie—your hands will transform sugar, butter and flour into awe-inspiring creations in Baking Arts. From sourcing ingredients to artistically presenting them on a plate, Culinary Arts will teach you classical recipes, methods and techniques, as well as new trends in food preparation. In lecture and lab, learn foundational principles, methods/preparations, plus customer service skills, culinary math, and workplace skills. As you get an overview of different parts of the hospitality industry, you'll learn about their distinguishing characteristics and trends. Graduate on track for success!

Career Opportunities & Typical Salaries

Cake Designer (\$30,000)

Executive Chef/Pastry Chef (\$40,000-\$90,000)

Sous Chef/Pastry Sous Chef (\$30,000-\$80,000)

Food & Beverage Manager (\$35,000-\$60,000)

Health Inspector (\$50,000)

Academic Opportunities

Successful students in this program have these academic opportunities available:

- ServSafe® Manager/Allergens Certification
- S/P2 Culinary Workplace Safety Certification
- Ability to earn post secondary credits and/or industry credentials while at CVCC

“CVCC is forever at the top of my appreciation and gratitude list for the amazing educational opportunities, the drive and motivation, the rigor and accountability and most importantly the genuine respect and relationship building you do with all scholars!” – A CVCC parent

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- English & Literacy: 1, 2, 3, 4, 5, 6
- Work Based Learning: 1, 2, 3, 4, 5, 6, 7, 8, 9
- Science: 1, 2, 7, 8
- Transferable Skills: 1, 2, 3, 4, 5
- Health: 1, 2, 3, 5, 6
- Art: 1, 2, 3, 4
- Social Studies: 1, 6, 7, 14, 20

Textbooks

Baking & Culinary Arts Students use these industry-recognized texts, although others may also be used throughout the year.

- Foundations of Restaurant Management and Culinary Arts - Pearson
- CIA Introduction to Culinary Arts
- ServSafe, 7th edition, National Restaurant Association
- Culinary Math Principles and Applications, 2nd edition

Reading Level

Students will need to read and comprehend at a 10th to 12th grade level.

Math Skills

Successful students in this program should expect to master these math skills. Previous preparation and training in these areas are critical for academic success in this program.

- Conversions
- Fractions, decimals, and percentages
- Measurements
- Estimating
- Volume
- Geometry (spatial abilities)
- Basic math (addition, subtraction, multiplication, division)

CVCC Safety Exam

Every CVCC Program begins their year with safety training. Students are trained and required to pass the safety exam before they can participate in program lab settings. For more information about these exams, contact the CVCC School Counseling Coordinator.

- ServSafe® Manager Certification (nationally recognized certificate)
- S/P2 Culinary Safety Certification



Building Trades

What You'll Do

Do you wonder how structures are made? In Building Trades you'll learn residential and commercial skills from the ground up while earning the NCCER credentials. Along the way, you'll learn the principles and skills of general carpentry. A real foundation for your future career!

Career Opportunities & Typical Salaries

Carpenter (\$41,000)

Construction Laborer (\$29,000)

Drywall Tapers & Finishers (\$43,000)

Stone Mason (\$42,000)

Academic Opportunities

Successful students in this program have these academic opportunities available:

- Occupational Safety & Health (OSHA) 10-hour Certification
- National Center for Construction Education & Research (NCCER) – Core Curriculum
- NCCER – Carpentry Level 1 & 2 available
- Ability to earn post secondary credits and/or industry credentials while at CVCC



“I appreciate that I can learn exactly what I want to learn.”

– A CVCC student

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- Math: 1, 2, 3, 5, 6
- English & Literacy: 1, 2, 3, 4, 5, 6
- Work Based Learning: 1, 2, 3, 4, 5, 6, 7, 8, 9
- Science: 1, 2, 8
- Transferable Skills: 1, 2, 3, 4, 5
- Social Studies: 1, 6, 7, 14, 20
- Art: 1, 3, 4
- P.E.: 1, 3, 4

Textbooks

Building Trades students use these industry-recognized texts, although others may also be used throughout the year.

- National Center for Construction Education and Research (NCCER) Core Curriculum - Pearson
- National Center for Construction Education and Research (NCCER) Carpentry Level 1 - Pearson

Reading Level

Textbooks and the majority of class texts in this course are written at the following grade level. The first number correlates to the grade level and the decimal refers to the monthly progress throughout the year. For example, an 11.3 would translate to an "11th grade reading level, approximately three months into the school year."

- 10.4 (NCCER Text)

Math Skills

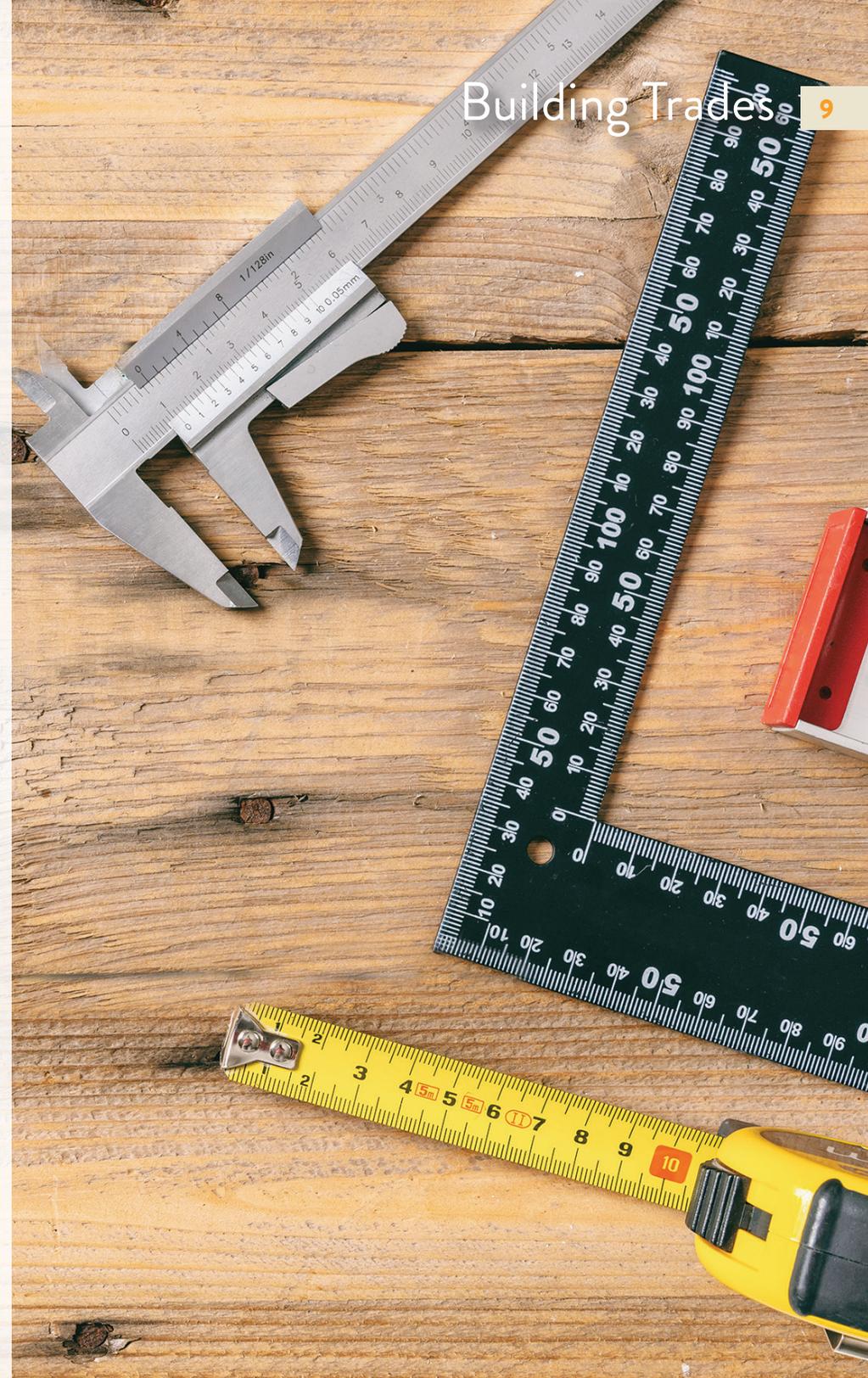
Successful students in this program should expect to master these math skills. Previous preparation and training in these areas are critical for academic success in this program.

- Pythagorean theorem
- Fractions, decimals, percentages
- Measuring quickly with tape measure to an accuracy of 1/8 inch
- Ratios and proportions
- Finding area
- Basic math (addition, subtraction, multiplication, division)

CVCC Safety Exam

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- Occupational Safety and Health (OSHA) 10-hour Certification



Cosmetology I & II

What You'll Do

Cosmetology prepares you to put your artistic skills to work making people look and feel their best. Learn all you need for the Vermont State Board of Cosmetology license exam—hair cutting and coloring, chemical texturizing, waxing, skin care, nail services, and makeup application—in the CVCC in-house salon.

Career Opportunities & Typical Salaries

Cosmetologist (\$16,000-\$41,000)

Makeup Artist (\$24,000-\$54,000)

Nail Technician (\$16,000-\$33,000)

Skin Care Specialist (\$17,000-\$51,000)

Academic Opportunities

Successful students in this program have these academic opportunities available:

- Students who have successfully completed 1,000 hours can sit for the Vermont Licensing Exam for Cosmetology (second year of program required).
- Ability to earn post secondary credits and/or industry credentials while at CVCC

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- Math: 1, 2, 5
- English & Literacy: 1, 2, 3, 4, 5, 6
- Work Based Learning: 1, 2, 3, 4, 5, 6, 7, 8, 9
- Science: 1, 3
- Transferable Skills: 1, 2, 3, 4, 5
- Health: 1, 2, 5, 6
- Art: 1, 2, 3, 4
- Social Studies: 1, 6, 7, 14, 20

Textbook

Cosmetology students use these industry-recognized texts, although others may also be used throughout the year.

- Pivot Point Cosmetology Curriculum
- Milady Standard Cosmetology-Cengage Learning

Reading Level

Textbooks and the majority of class texts in this course are written at the following grade level. The first number correlates to the grade level and the decimal refers to the monthly progress throughout the year. For example, an 11.3 would translate to an "11th grade reading level, approximately three months into the school year."

- 14.0 (Milady Text)
- 11.5 (Pivot Point Text and Lab)

Math Skills

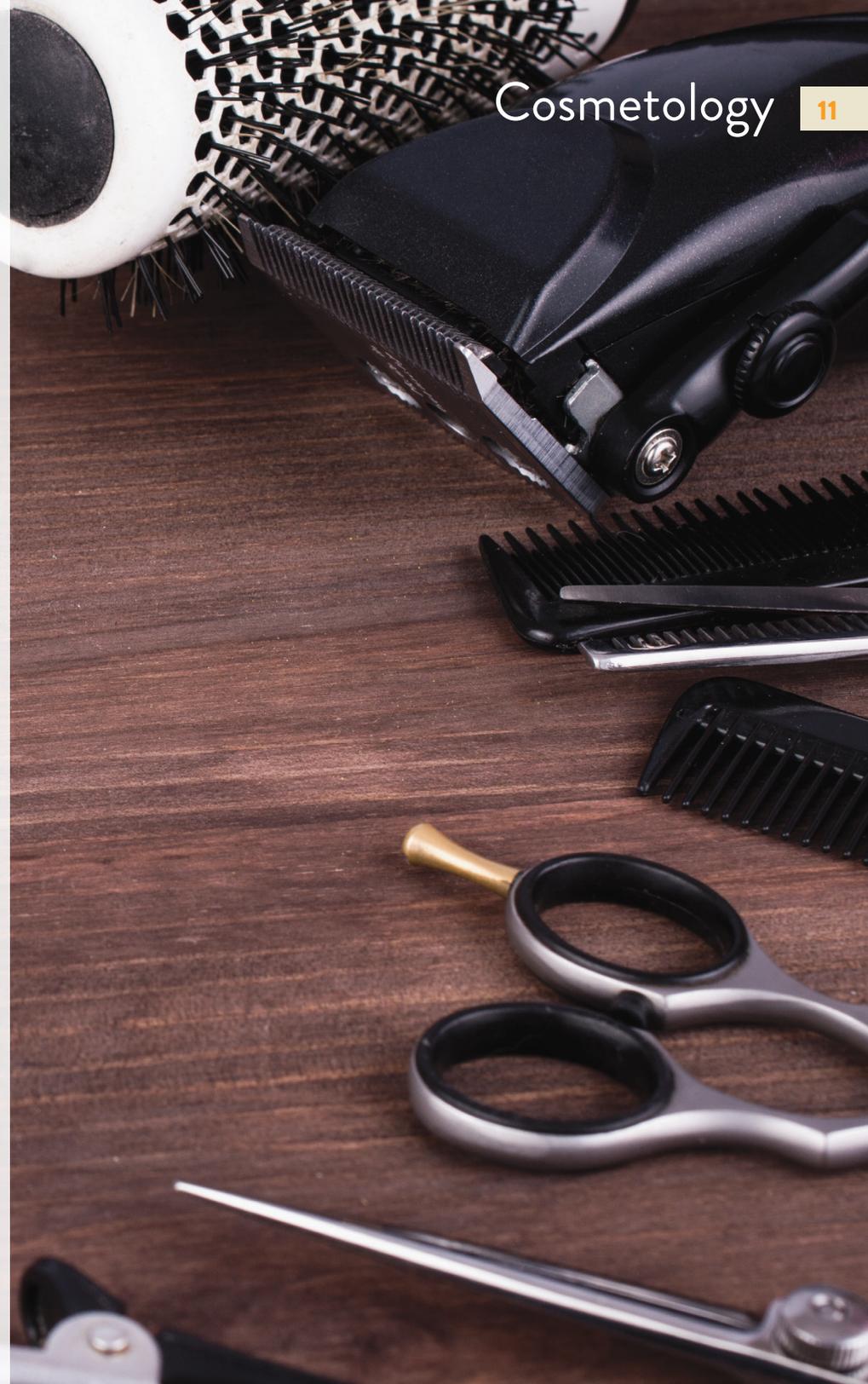
Successful students in this program should expect to master these math skills. Previous preparation and training in these areas are critical for academic success in this program.

- Fahrenheit temperature
- Measure length and angles
- Fractions, decimals, percentages
- Ratios and proportions
- Probability
- Calculate wages
- Money and financial management
- Reading scales and gauges
- Time management
- Basic math (addition, subtraction, multiplication, division)

CVCC Safety Exam

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- Safety and Infection Control (exam content from VT State Salon Regulations)
- Occupational Safety and Health (OSHA) 10-hour Certification



Design Arts

What You'll Do

Eighteen thousand people worked in the granite industry in Barre in its peak years. The need for these craftspeople and other skilled workers is still in high demand. CVCC has teamed with Norwich University and the Vermont Granite Museum to create a program called Design Arts. This program is intended to create a new generation of skilled craftspeople in the stone arts profession.

Students will work with and be taught by professional artists and will practice the skills of using time-honored hand tools along with the latest technology in 2D and 3D CNC manufacturing instruments. Through opportunities to sculpt a variety of materials and build projects from dry stone students will develop their skills with an eye toward the manufacturing industry along with creating art.

With an opportunity to apprentice with local companies students will learn the science of stone and rock identification, sculpting and carving, dry stone masonry, as well as architecture and landscape design.

Career Opportunities & Typical Salaries

CAD Mausoleum & Architectural Stone Designer (\$60,000)

CAD Monument Designer (\$55,000)

CNC Operator (\$55,000)

Stone Cutter (\$45,000)

Stone Finisher (\$55,000)

Stone Sculptor (\$70,000)

Dry Laid Stone Mason (\$48,000)

Stonescape Designer (\$58,000)



Academic Opportunities

Successful students in this program have these academic opportunities available:

- Dry Stone Walling Association's Level I certification
- Occupational Safety & Health (OSHA) 10-hour Certification
- Ability to earn post secondary credits and/or industry credentials while at CVCC



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- Work Based Learning: 1, 2, 3, 4, 5, 6, 7, 8, 9
- Science: 1, 2, 8
- Transferable Skills: 1, 2, 3, 4, 5
- Art: 1, 3, 4
- Social Studies: 1, 6, 7, 14, 20

Textbook

- Text books covering topics such as CAD design, CNC machining, sculpting, and dry stone walling: TBD

Reading Level

Textbooks and the majority of class texts in this course are written at the following grade level. The first number correlates to the grade level and the decimal refers to the monthly progress throughout the year. For example, an 11.3 would translate to an "11th grade reading level, approximately three months into the school year."

- 10.4 (NCCER Text)

Math Skills

Successful students in this program should expect to master these math skills. Previous preparation and training in these areas are critical for academic success in this program.

- Pythagorean theorem
- Fractions, decimals, percentages
- Measuring quickly with tape measure to an accuracy of 1/8 inch
- Ratios and proportions
- Finding area
- Basic math (addition, subtraction, multiplication, division)

CVCC Safety Exam

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- Occupational Safety and Health (OSHA) 10-hour Certification

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Digital Media Arts I & II

What You'll Do

These programs are the home of creativity and collaborative project-based learning. Enhance your vision of the world in our photography unit where you can master cameras and manipulation software. Learn new ways of communicating and work with community partners during our graphic design unit. Or bring your movie ideas to life in DMA II during our filmmaking unit where you gain access to advanced industry-standard camera equipment and learn to master editing software. Through photography, graphics, film, music, web design, and animation our students master creativity for the entire world of media possibilities.

Career Opportunities & Typical Salaries

Graphic Designer (\$44,000)

Web Developer (\$63,000)

Multi-Media Artist (\$61,000)

Animator (\$64,000)

Film/Video Editors & Camera Operator (\$46,000)



Academic Opportunities

Successful students in this program have these academic opportunities available:

- Adobe Certification in Adobe Illustrator, Photoshop, and Premiere-Pro
- Ability to earn post secondary credits and/or industry credentials while at CVCC
- DMA II offers advanced study within your chosen media path. DMA II's curriculum puts an emphasis on film study and portfolio development to advance your career and/or secondary education
- Dual enrollment (9+ credits) through CCV
- Articulation agreement through Vermont College system

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- Math: 1, 2, 5
- English & Literacy: 1, 2, 3, 4, 5, 6
- Work Based Learning: 1, 2, 3, 4, 5, 6, 7, 8, 9
- Media Arts: 1, 2, 3, 4
- Transferable Skills: 1, 2, 3, 4, 5
- Arts: 1, 2, 3, 4
- Social Studies: 1, 6, 7, 14, 20

Textbooks

Digital Media Arts Students use these industry-recognized texts, although others may also be used throughout the year.

- Pearson "MyGraphicsLab" Adobe eTextbooks for Photoshop, Illustrator, and Premiere Pro
- "How To Design Cool Stuff" – John McWade

Reading Level

Textbooks and the majority of class texts in this course are written at the following grade level. The first number correlates to the grade level and the decimal refers to the monthly progress throughout the year. For example, an 11.3 would translate to an "11th grade reading level, approximately three months into the school year."

- 11.4 (MyGraphics Lab)
- 9.5 (How To Design Cool Stuff)

Math Skills

Successful students in this program should expect to master these math skills. Previous preparation and training in these areas are critical for academic success in this program.

- Measuring
- Fractions, decimals, percentages
- Ratios and proportions
- Conversions between units and file structures
- Visual spatial cognition
- Geometry (spatial abilities)
- Algorithms
- Basic math (addition, subtraction, multiplication, division)

CVCC Safety Exam

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- Digital Citizenship and Copyright Law-CVCC Designed Examination featuring content approved by Common Sense Media Incorporated.



Electrical Technology

What You'll Do

Imagine having the skills to wire a house, bringing power to it for the first time! In the Electrical Technology program, you'll learn everything you need to prepare for a career as an electrician, including a registered apprenticeship: install, connect, test, and maintain electrical systems. Learn residential and commercial skills and earn NCCER credentials—power your future!

Career Opportunities & Typical Salaries

Electrician (\$50,000)

Line Installer & Repairer (\$58,000)

Electrical & Electronics Installers (\$51,000)

Wind Turbine Technicians (\$46,000)

Academic Opportunities

Successful students in this program have these academic opportunities available:

- National Center for Construction Education & Research (NCCER) – Core Curriculum
- NCCER – Electrical Level 1 & 2 available
- Occupational Safety & Health (OSHA) 10-hour Certification
- 300-2,300 hours credited toward the Vermont Electrical Registered Apprenticeship Program
- Opportunity to take the Vermont Electrical Apprentice Program exam and
- Ability to earn post secondary credits and/or industry credentials while at CVCC



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- Math: 1, 2, 4, 5
- English & Literacy: 1, 2, 3, 4, 5, 6
- Work Based Learning: 1, 2, 3, 4, 5, 6, 7, 8, 9
- Science: 1, 2, 8
- Transferable Skills: 1, 2, 3, 4, 5
- Art: 1, 3, 4
- Social Studies: 1, 6, 7, 14, 20

Textbook

Electrical Technology Students use this industry-recognized text, although others may also be used throughout the year.

- National Electrical Code: Electrical Residential Wiring-NFPA 70
- National Center for Construction Education & Research (NCCR) texts –Pearson

Reading Level

Textbooks and the majority of class texts in this course are written at the following grade level. The first number correlates to the grade level and the decimal refers to the monthly progress throughout the year. For example, an 11.3 would translate to an "11th grade reading level, approximately three months into the school year."

- 13.3 (Electrical Residential Wiring)

Math Skills

Successful students in this program should expect to master these math skills. Previous preparation and training in these areas are critical for academic success in this program.

- Ohm's law
- Manipulating formulas
- Frequent complex calculations
- Voltage drop calculation
- Measuring
- Using industry code charts
- Basic math (addition, subtraction, multiplication, division)

CVCC Safety Exam

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- Occupational Safety and Health (OSHA) 10-hour Certification



Emergency Medical Services/ Advanced Emergency Medical Technician

What We Do

Would you know what to do in an emergency? Our program prepares you to handle many types of emergencies and become fully prepared to enter the Emergency Services workforce or enter into post-secondary education and training.

The second year option, Advanced EMS, introduces the theory and application of concepts related to the Advanced Emergency Medical Technician (AEMT) profession. The focus is to provide basic and limited advanced emergency medical care and transportation for critical and emergent patients who access the emergency medical system. Skills include extending the knowledge of the EMT to a more complex breadth and depth, intravenous access and fluid therapy, medication administration, blind insertion airway devices, and the advanced assessment and management of various medical illnesses and traumatic injuries, and follows the National Highway Traffic Safety Administration's (NHTSA's) Emergency Medical Services Education Standards.

Career Opportunities & Typical Salaries

Advanced Emergency Medical Technician (\$44,000)
 Emergency Medical Technician Certification (\$34,000)
 Paramedic (\$44,000)
 Emergency Management Specialist (\$45,000)
 Flight Paramedic (\$50,000)
 Law Enforcement (\$63,000)



Academic Opportunities

Successful students in this program have these academic opportunities available:

- Emergency Medical Technician Certification
- Advanced Emergency Medical Technician Certification
- VT Emergency Medical Services Lab Skills Instructor Certification
- CPR/AED/First Aid Certification
- Co-Op, Clinical & Field experience with local medical facilities & Emergency Services
- FEMA certification courses
- Hazardous Materials Awareness Certification
- Field experience with local Emergency Services
- Ability to earn post secondary credits and/or industry credentials while at CVCC



Vermont Proficiency-Based Graduation Indicators

While covering a full curriculum of content specific to this trade, students in this program will be trained and assessed on the following high school-level academic proficiencies using the following indicators from Vermont's Proficiency-Based Graduation Requirement. For more information about Vermont's Proficiency-Based Graduation Requirements, visit the Vermont Agency of Education's website.

- Math: 1, 3, 5
- English & Literacy: 1, 2, 3, 4, 5, 6
- Work Based Learning: 1, 2, 3, 4, 5, 6, 7, 8, 9
- Science: 1, 2, 3
- Transferable Skills: 1, 2, 3, 4, 5
- Social Studies: 1, 6, 7, 14, 20
- Art: 1, 3, 4
- Phys. Ed.: 1, 3, 4

Textbooks

Emergency Services Students use these industry-recognized texts, although others may also be used throughout the year.

- Advanced Emergency Care and Transportation of the Sick and Injured, 4th Edition, AAOS

Reading Level

Textbooks and the majority of class texts in this course are written at the following grade level. The first number correlates to the grade level and the decimal refers to the monthly progress throughout the year. For example, an 11.3 would translate to an "11th grade reading level, approximately three months into the school year."

- 14.3 (Emergency Care)

Math Skills

Successful students in this program should expect to master these math skills. Previous preparation and training in these areas are critical for academic success in this program.

- Use of military time
- Fractions, decimals, and percentages
- Ratios and proportions
- Reading gauges
- Metric to standard conversion
- Basic math (addition, subtraction, multiplication, division)

CVCC Safety Exam

Every CVCC Program begins their year with safety training. Students are trained and required to pass the safety exam before they can participate in program lab settings. For more information about these exams, contact the CVCC School Counseling Coordinator.

- American Heart Association First Aid and CPR
- Occupational Safety and Health (OSHA) 10-hour Certification

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Exploratory Technology

What You'll Do

Our Exploratory Technology program is just that: a wonderful way to gain foundational skills and explore career pathways and the many opportunities available in this 9th- and 10th-grade educational experience. You'll balance your time honing your academic skills and shadowing each of the Career Center's programs, really giving you an up-close look at what the classes and instructors are like. While you're at it, you'll develop critical thinking, reasoning, and problem solving skills, and personal finance—skills that you can use for the rest of your life!

Academic Opportunities

Successful students in this 9th- & 10th-grade program have these academic opportunities available:

- National Center for Construction Education & Research (NCCER) – Core Curriculum
- Earn academic credits in English, Math, Science, Social Studies, Art, and P.E.
- OSHA 10-hour Certification – General Industry
- Shadow-driven career exploration
- Project-based learning in woodshop and leather studio

“CVCC is responsive to the community.”

– A CVCC community member



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Vermont Proficiency-Based Graduation Indicators

While covering a full curriculum of content specific to this trade, students in this program will be trained and assessed on the following high school-level academic proficiencies using the following indicators from Vermont's Proficiency-Based Graduation Requirements. For more information about Vermont's Proficiency-Based Graduation Requirements, visit the Vermont Agency of Education's website.

- Math: 1, 2, 3, 5, 6
- English & Literacy: 1, 2, 3, 4, 5, 6
- Work Based Learning: 1, 2, 3, 4, 5, 6, 7, 8, 9
- Science: 1, 2, 3
- Transferable Skills: 1, 2, 3, 4, 5
- Global Citizenship: 1, 6, 7, 14, 20
- Art: 1, 3, 4
- Phys. Ed.: 1, 3, 4

Textbooks

Exploratory Technology Students use these industry-recognized texts, although others may also be used throughout the year.

- Entering the World of Work - Glencoe
- Various Trade Texts

Reading Level

Textbooks and the majority of class texts in this course are written at the following grade level. The first number correlates to the grade level and the decimal refers to the monthly progress throughout the year. For example, an 11.3 would translate to an "11th grade reading level, approximately three months into the school year."

- 9.2 (Entering the World of Work)
- Various trade texts have been chosen to read at the 10th grade level.

Math Skills

Successful students in this program should expect to master these math skills. Previous preparation and training in these areas are critical for academic success in this program.

- Trade-specific math
- Measurements and construction calculations
- Fractions, decimals, and percentages
- Basic math (addition, subtraction, multiplication, division)

CVCC Safety Exam

Every CVCC Program begins their year with safety training. Students are trained and required to pass the safety exam before they can participate in program lab settings. For more information about these exams, contact the CVCC School Counseling Coordinator.

- Wood Shop and Hand Tool Safety Program Certification (CVCC Designed)
- Occupational Safety & Health (OSHA) 10-hour Certification

Medical Professions

What You'll Do

Health care jobs are predicted to be the largest and fastest growing career sector. In this program you'll learn human biology, the science of nutrition, basic clinical assessment skills, vital signs, blood glucose monitoring, medical terminology, phlebotomy, professionalism skills, first aid and CPR, electronic health record training and basic suturing. You'll also explore a variety of the medical professions through job shadowing—what they are, what they do, and what training they require.

Career Opportunities & Typical Salaries

Pharmacy Technician (\$20,000-\$80,000)

Medical Secretary (\$20,000-\$80,000)

Registered Nurse (\$50,000-\$160,000)

Nutritionist (\$50,000-\$160,000)

Physician's Assistant (\$50,000-\$160,000)

Physical Therapist (\$50,000-\$160,000)

Radiology Technician (\$40,000-\$60,000)

Certified Medical Assistant (\$30,000-\$40,000)

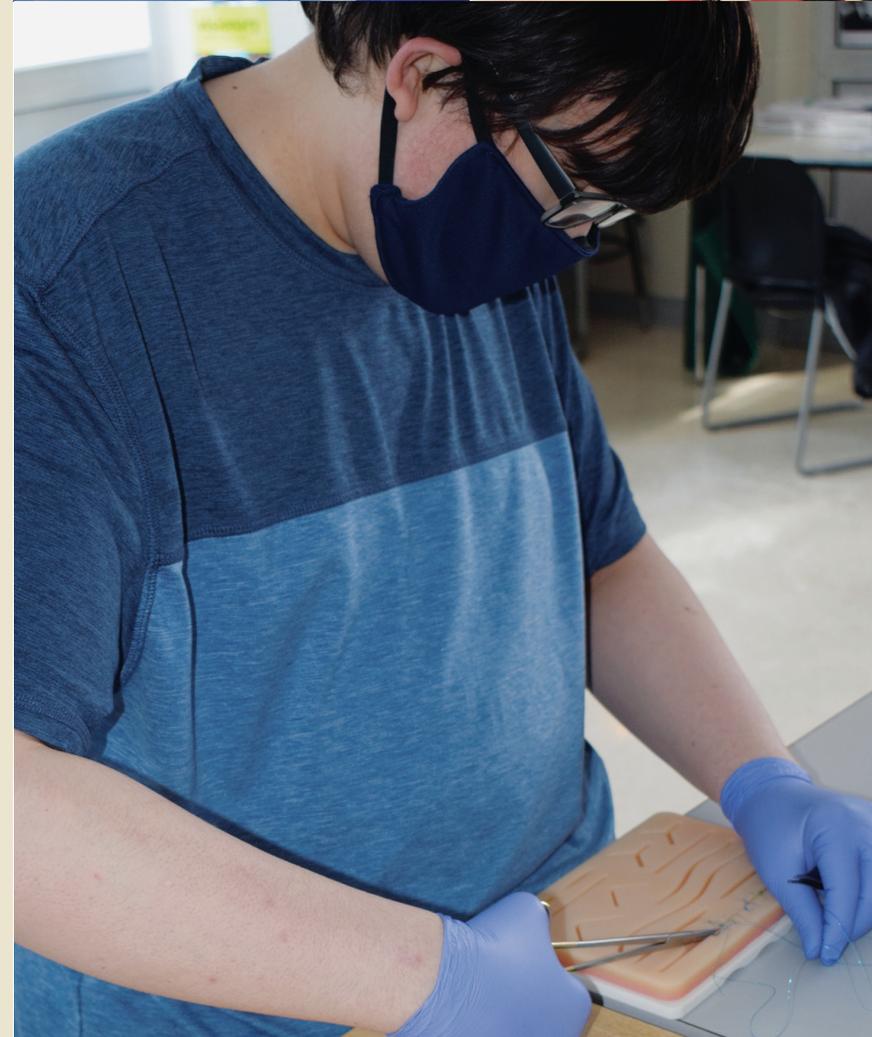


Academic Opportunities

Successful students in this program have these academic opportunities available:

- Heartsaver Certification – American Heart Association (AHA) Basic Life Support
- First Aid Certification – AHA
- Occupational Safety and Health (OSHA) 10-hour Certification
- Blood Borne Pathogen Certification
- HIPPA/Confidentiality Training
- Phlebotomy Training
- Certified Medical Assistant (CMA)
- Earn post secondary credits and/or industry credentials while at CVCC

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Vermont Proficiency-Based Graduation Indicators

While covering a full curriculum of content specific to this trade, students in this program will be trained and assessed on the following high school-level academic proficiencies using the following indicators from Vermont's Proficiency-Based Graduation Requirements. For more information about Vermont's Proficiency-Based Graduation Requirements, visit the Vermont Agency of Education's website.

- Math: 1, 2, 3, 6
- English & Literacy: 1, 2, 3, 4, 5, 6
- Work Based Learning: 1, 2, 3, 4, 5, 6, 7, 8, 9
- Science: 3, 5
- Transferable Skills: 1, 2, 3, 4, 5
- Social Studies: 1, 6, 7, 14, 20
- Art: 1, 3, 4
- Health: 1, 2, 3, 4, 5, 6

Textbooks

Medical Professions Students use these industry-recognized texts, although others may also be used throughout the year.

- Discovering Nutrition, 6th edition - Paul Insel
- Human Biology, 9th edition - Daniel Chiras
- Introduction to Healthcare, 5th edition - Haroun and Mitchell
- The Immortal Life of Henrietta Lacks - Rebecca Skloot
- Legal & Ethical Issues for Health Professionals - George Pozgan

Reading Level

Texts for this course are written at an 11th grade reading level.

Recommended Math and Science Skills

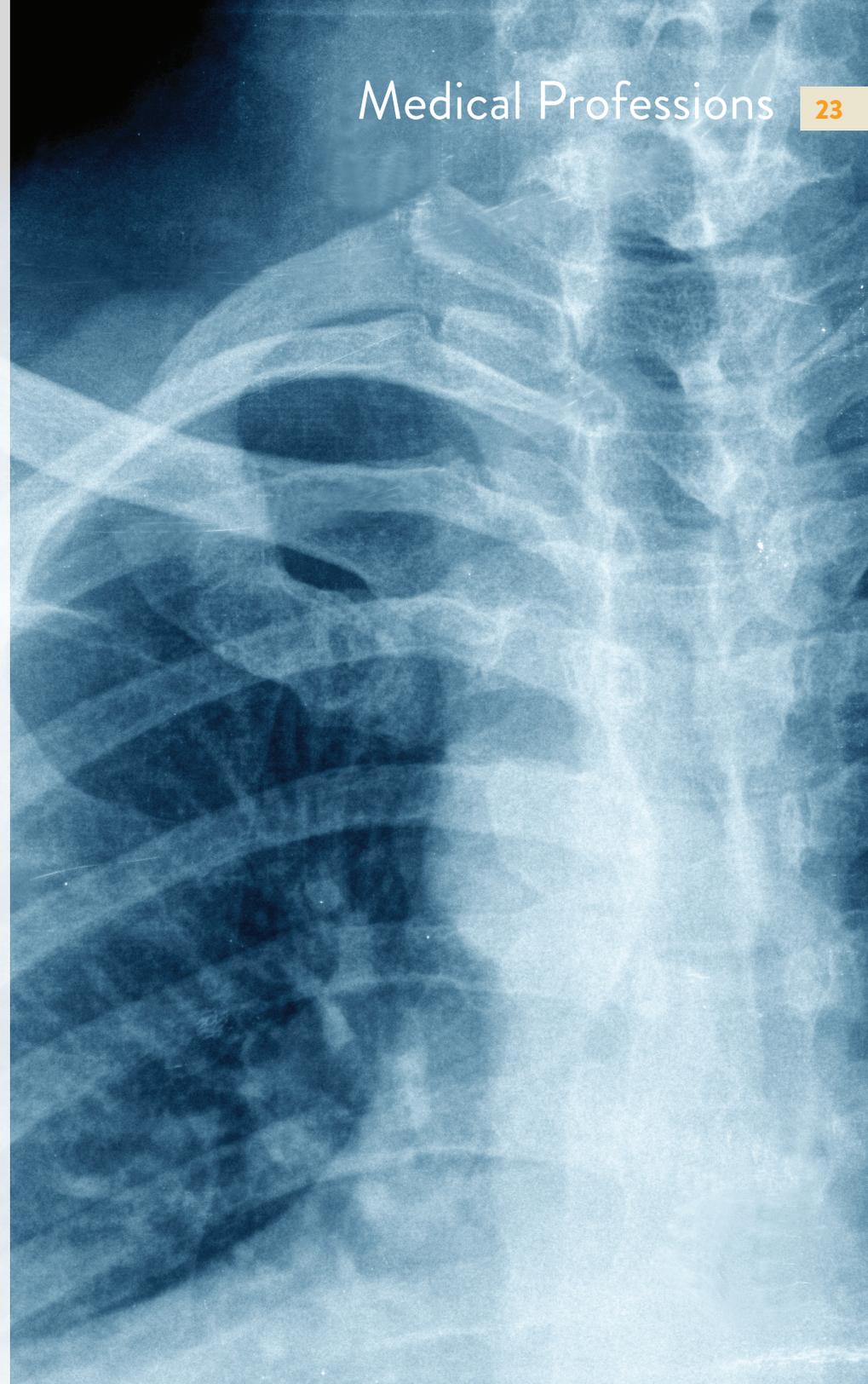
Successful students in this program should expect to master these math and science skills. Previous preparation and training in these areas are critical for academic success in this program.

- Chemistry
- Biology
- Fractions, decimals, and percentages
- Ratios and proportions
- Units and conversions
- Basic math (addition, subtraction, multiplication, division)

CVCC Safety Exam

Every CVCC Program begins their year with safety training. Students are trained and required to pass the safety exam before they can participate in program lab settings. For more information about these exams, contact the CVCC School Counseling Coordinator.

- American Heart Association First Aid and CPR
- Occupational Safety and Health (OSHA) 10-hour Certification



Natural Resources & Sustainability

What You'll Do

Why sit at a desk when there's a great big universe to explore? Through applied education, students in the Natural Resources & Sustainability program study real-world solutions to sustainability issues and complete projects that are important to their community.

Career Opportunities & Typical Salaries

Conservation Scientist & Forester (\$52,000)
 Hydroponics Technician (\$28,300)
 Farm & Ranch Technician (\$28,000)
 Environmental Scientist (\$41,000)
 Forest & Conservation Technician (\$34,000)
 Game Warden (\$45,000)

Academic Opportunities

Successful students in this program have these academic opportunities available:

- Wilderness First Aid Certification (WFA)
- Occupational Safety & Health (OSHA) 10-hour Certification
- Outdoor Professional Safety Certification
- Ability to earn post secondary credits and/or industry credentials while at CVCC
- Game of Logging Certification



“I feel comfortable. I feel supported. I’m learning really important things.”

– A CVCC student

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Vermont Proficiency-Based Graduation Indicators

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- Math: 1, 2, 3, 5, 6
- English & Literacy: 1, 2, 3, 4, 5, 6
- Work Based Learning: 1, 2, 3, 4, 5, 6, 7, 8, 9
- Science: 2, 3, 4, 7, 8
- Transferable Skills: 1, 2, 3, 4, 5
- Art: 1, 3, 4
- Social Studies: 1, 6, 7, 14, 20
- Psy Ed.: 1, 3, 4

Textbooks

Natural Resources and Sustainability Students use this industry-recognized text, although others may also be used throughout the year.

- Exploring Global Issues (Social, Economic, and Environmental Interconnections) - Facing the Future
- Horticulture Today - Elizabeth Driscoll and Jodi Songer Riedel

Reading Level

Textbooks and the majority of class texts in this course are written at the following grade level. The first number correlates to the grade level and the decimal refers to the monthly progress throughout the year. For example, an 11.3 would translate to an "11th grade reading level, approximately three months into the school year."

- 11.7 (Exploring Global Issues)
- 12.0 (Horticulture Today)

Math Skills

Successful students in this program should expect to master these math skills. Previous preparation and training in these areas are critical for academic success in this program.

- Scale factors
- Measurements and Unit conversions
- Scale maps
- Volume and Area
- Polynomial equations
- Basic algebra
- Basic math (addition, subtraction, multiplication, division)

CVCC Safety Exam

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- Outdoor Professional Safety Program Certification (CVCC Designed)
- Occupational Safety and Health (OSHA) 10-hour Certification

Plumbing & Heating

What You'll Do

Want a career that's really heating up? The Plumbing & Heating program prepares you for entry-level jobs, including a registered apprenticeship, by helping you gain basic knowledge of plumbing and hydronic heating systems, as well as earning NCCER credentials. The job opportunity outlook for both fields is strong, meaning graduates of this program are in high demand.

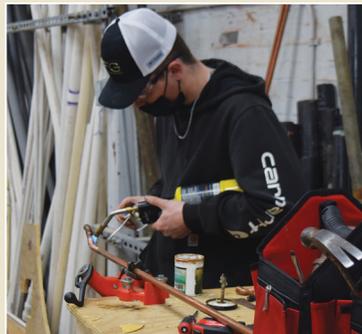
Career Opportunities & Typical Salaries

Plumbing, Pipe Fitters & Steam Fitters (\$54,000)

Heating, Air Conditioning & Refrigeration
Mechanic/Installer (\$50,000)

Boilermaker (\$62,000)

Pipelayer (\$39,000)

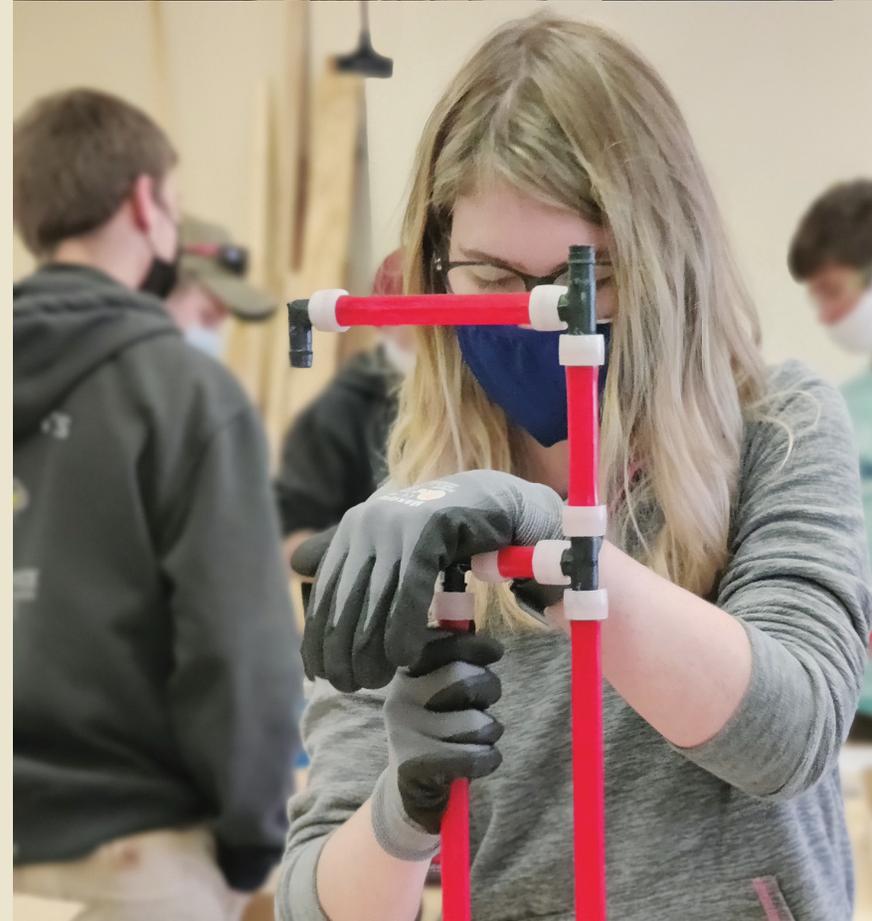


Academic Opportunities

Successful students in this program have these academic opportunities available:

- National Center for Construction Education & Research (NCCER) – Core
- NCCER Plumbing 1 & 2; Hydronic Heating and Pipelayer
- Occupational Safety & Health (OSHA) 10-hour Certification
- 750-2,100 hours credited toward the Vermont Plumbing Registered Apprenticeship Program
- Opportunity to take the 1st and 2nd year tests of the Vermont Plumbing Registered Apprenticeship Program
- Ability to earn post secondary credits and/or industry credentials while at CVCC

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Vermont Proficiency-Based Graduation Indicators

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- Math: 1, 2, 5
- English & Literacy: 1, 2, 3, 4, 5, 6
- Work Based Learning: 1, 2, 3, 4, 5, 6, 7, 8, 9
- Science: 1, 2, 8
- Transferable Skills: 1, 2, 3, 4, 5
- Art: 1, 3, 4
- Social Studies: 1, 6, 7, 14, 20

Textbooks

Plumbing and Heating Students use these industry-recognized texts, although others may also be used throughout the year.

- Plumbing and Heating (Second Edition)- Michael Joyce
- Modern Hydronic Heating (Third Edition)- John Siegenthaler
- National Center for Construction Education & Research (NCCER) - Pearson

Reading Level

Textbooks and the majority of class texts in this course are written at the following grade level. The first number correlates to the grade level and the decimal refers to the monthly progress throughout the year. For example, an 11.3 would translate to an "11th grade reading level, approximately three months into the school year."

- 12.0 (Plumbing and Heating)
- 11.8 (Modern Hydronic Heating)

Math Skills

Successful students in this program should expect to master these math skills. Previous preparation and training in these areas are critical for academic success in this program.

- Ohm's law
- Pascal's law
- Pythagorean theorem
- Measuring
- Fractions, decimals, and percentages
- Angles
- Using industry code charts
- Basic math (addition, subtraction, multiplication, division)

CVCC Safety Exam

Every CVCC Program begins their year with safety training. Students are trained and required to pass the safety exam before they can participate in program lab settings. For more information about these exams, contact the CVCC School Counseling Coordinator.

- Occupational Safety and Health (OSHA) 10-hour Certification



Co-operative Education

What We Do

The Co-operative Education program takes technical training beyond the classroom by providing opportunities for students to apply their learning in a workplace setting. This program is a collaboration between CVCC and area employers and is designed to offer paid or unpaid career-related experiences that build on and expand a student's skills. Whether the goal is to develop self-confidence, employability skills or advanced job placement, this career-based curriculum encourages students to put their education to work. Students will be immersed in on the job training opportunities up to four days a week, and attend CVCC one day a week.

Current Employers

- 802 Honda
- Barre EMS
- Benoit Electric
- Bournes Energy
- Buddys Burgers/Yellow Mustard
- Capitol City Buick/GMC
- Cold Hollow Cider Mill
- Delicate Decadence
- Maple Corner Woodworking
- Merrill Mechanical
- New England Air Systems
- Norway and Sons Electric
- O'Maddies Deli & Café
- Peak Mechanical
- Perrys Service Station
- Pro Heat
- SD Ireland
- Thomas Mechanical
- Tucker Hill Inn
- Twin City Subaru
- Wards Mechanical
- Waterbury Ambulance Service



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15,270

Total student hours
worked last year

\$200,339

Total student wages
earned last year

Work-Based Learning Program

What We Do

Do you think you'd enjoy a particular career, but aren't sure what it's *really* like? Maybe you've decided what you'll do after graduation, and want to get a jumpstart on making connections? In either case, the Work-Based Learning program takes academic and technical training beyond the classroom and into the field, so you can test your skills and gain valuable experience in a workplace setting. A collaboration between the Central Vermont Career Center and local employers, the Work-Based Learning program offers paid and unpaid career-related jobs. Develop self-confidence, grow your employability skills, and get one step closer to lining up a fantastic job!

Opportunities

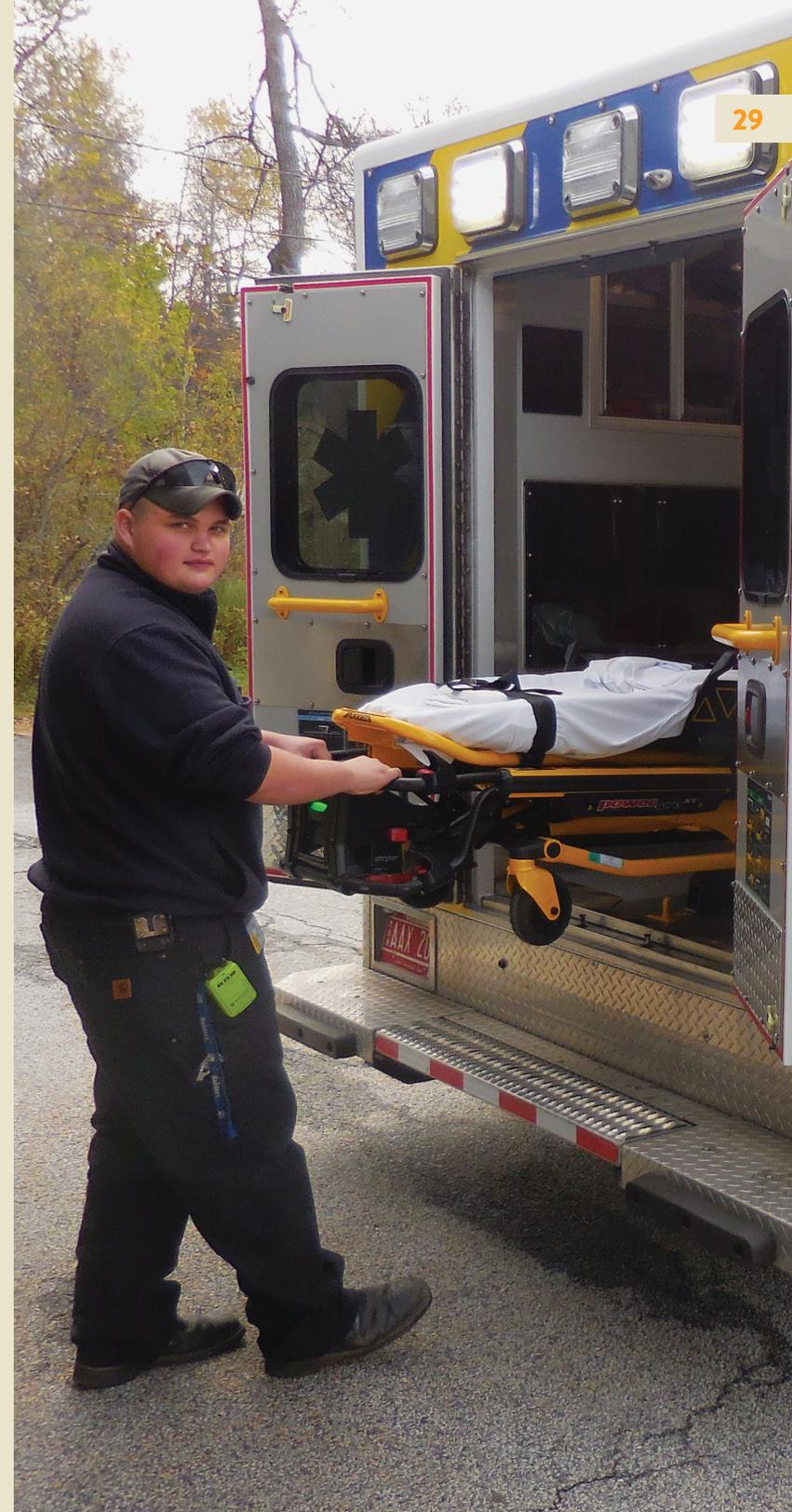
- Job shadowing
- Career work experience
- Career technical education
- Registered apprenticeship
- Career preparation & training

Skills Acquired

- Decision making, problem solving and critical thinking skills
- Stronger communication through reading, writing, listening and speaking
- Professionalism and business ethics
- Teamwork with fellow employees
- Industry Standards



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Summary of Opportunities (Successful students in these programs have these opportunities available to them)

Automotive Technology	<ul style="list-style-type: none"> • S/P2 Mechanical Safety Certification • Mechanical and Light Duty Repair (MLR) ASE Certification • TIA Tire Service Chart 	<ul style="list-style-type: none"> • AOCA Certified Lube Technician • Snap-On Multimeter Certification • Ability to earn post-secondary credits and/or industry credentials while at CVCC
Baking & Culinary Arts	<ul style="list-style-type: none"> • ServSafe® Manager/Allergens Certification • ServSafe® Allergens Certification • S/P2 Culinary Workplace Safety Certification 	<ul style="list-style-type: none"> • Ability to earn post-secondary credits and/or industry credentials while at CVCC
Building Trades	<ul style="list-style-type: none"> • Occupational Safety & Health (OSHA) 10-hour certification • National Center for Construction Education & Research (NCCER) – Core Curriculum 	<ul style="list-style-type: none"> • NCCER – Carpentry Level 1 & 2 available • Ability to earn post secondary credits and/or industry credentials while at CVCC
Cosmetology I & II	<ul style="list-style-type: none"> • Students who have successfully completed 1,000 hours can sit for the Vermont Licensing Exam for Cosmetology (second year of program required) 	<ul style="list-style-type: none"> • OSHA 10 Certification • Ability to earn post secondary credits and/or industry credentials while at CVCC
Design Arts	<ul style="list-style-type: none"> • Dry Stone Walling Association’s Level I certification • Occupational Safety & Health (OSHA) 10-hour Certification 	<ul style="list-style-type: none"> • Ability to earn post secondary credits and/or industry credentials while at CVCC
Digital Media Arts I & II	<ul style="list-style-type: none"> • Adobe Certification in Adobe Illustrator and Photoshop • Adobe Certification in Premiere-Pro (DMA II) • Ability to earn post secondary credits and/or industry credentials while at CVCC 	<ul style="list-style-type: none"> • DMA offers a second-year program for advanced study within your chosen media path. DMA II’s curriculum puts an emphasis on portfolio development to advance your career and/or secondary education
Electrical Technology	<ul style="list-style-type: none"> • National Center for Construction Education & Research (NCCER) – Core Curriculum, Electrician 1 & 2 • Occupational Safety & Health (OSHA) 10-hour certification • 300 hours credited toward the Vermont Electrical Registered Apprenticeship Program 	<ul style="list-style-type: none"> • Opportunity to test for the 1st year of the Vermont Electrical Apprenticeship Program • Ability to earn post secondary credits and/or industry credentials while at CVCC
Emergency Medical Services / Advanced Emergency Medical Service	<ul style="list-style-type: none"> • CPR/AED/First Aid Certification • Eligible for NREMT Certification • OSHA 10 Certification • Hazardous Materials Certification 	<ul style="list-style-type: none"> • Field experience with local emergency departments • Ability to earn post secondary credits and/or industry credentials while at CVCC
Exploratory Technology	<ul style="list-style-type: none"> • National Center for Construction Education & Research (NCCER) – Core Curriculum • Earn academic credits in English, Math, Science, & Social Studies • OSHA 10 Certification – General Industry 	<ul style="list-style-type: none"> • Exploration and experiences while participating in every program at the Career Center • Project-based learning opportunities • First Aid/CPR Certification
Medical Professions	<ul style="list-style-type: none"> • CPR/AED Certification – American Heart Association (AHA) • First Aid Certification – AHA • OSHA 10 Certification • Blood Borne Pathogen Certification • Governor’s Career Readiness Certificate 	<ul style="list-style-type: none"> • Ability to earn post secondary credits and/or industry credentials while at CVCC • HIPPA/Confidentiality Training • NHA Certified Electronic Health Record Specialist (CEHRS)

Natural Resources & Sustainability

- Wilderness First Aid Certification (WFA)
- Occupational Safety & Health (OSHA) 10-hour Certification
- Outdoor Professional Safety Certification
- Ability to earn post secondary credits and/or industry credentials while at CVCC
- Game of Logging Certification

Plumbing & Heating

- National Center for Construction Education & Research (NCCER) – Core; Plumbing 1 & 2; Hydronic Heating and Pipelayer
- Occupational Safety & Health (OSHA) 10-hour Certification
- 750-2,100 hours credited toward the Vermont Plumbing Registered Apprenticeship Program
- Opportunity to take the 1st year test of the Vermont Plumbing Registered Apprenticeship Program
- Ability to earn post secondary credits and/or industry credentials while at CVCC

Summary of Vermont Proficiency Graduation-Based Indicators

While covering a full curriculum of content specific to their trades, students in CVCC programs will be trained and assessed using high school-level proficiencies from the Vermont Agency of Education's Indicators for Proficiency-Based Graduation Requirements.

For more information about Vermont Proficiency-Based Graduation Requirements visit the Vermont Agency of Education's website at <https://education.vermont.gov>.



Automotive Technology

- Math: 1, 2, 3, 4, 5, 6
- English & Literacy: 1, 2, 3, 4, 5, 6
- Work Based Learning: 1, 2, 3, 4, 5, 6, 7, 8, 9
- Science: 1, 2, 7, 8
- Transferable Skills: 1, 2, 3, 4, 5
- Art: 1, 3, 4
- Phys Ed.: 1, 3, 4
- Social Studies: 1, 6, 7, 14, 20

Baking & Culinary Arts

- Math: 1, 2, 6
- English & Literacy: 1, 2, 3, 4, 5, 6
- Work Based Learning: 1, 2, 3, 4, 5, 6, 7, 8, 9
- Science: 1, 2, 7, 8
- Transferable Skills: 1, 2, 3, 4, 5
- Art: 1, 2, 3, 4
- Social Studies: 1, 6, 7, 14, 20
- Health: 1, 2, 3, 5, 6

Building Trades

- Math: 1, 2, 3, 5, 6
- English & Literacy: 1, 2, 3, 4, 5, 6
- Work Based Learning: 1, 2, 3, 4, 5, 6, 7, 8, 9
- Science: 1, 2, 8
- Transferable Skills: 1, 2, 3, 4, 5
- Art: 1, 3, 4
- Phys Ed.: 1, 3, 4
- Social Studies: 1, 6, 7, 14, 20

Cosmetology I & II

- Math: 1, 2, 5
- English & Literacy: 1, 2, 3, 4, 5, 6
- Work Based Learning: 1, 2, 3, 4, 5, 6, 7, 8, 9
- Science: 1, 3
- Transferable Skills: 1, 2, 3, 4, 5
- Art: 1, 2, 3, 4
- Social Studies: 1, 6, 7, 14, 20
- Health: 1, 2, 5, 6

Design Arts

- Math: 1, 2, 3, 4, 5, 6
- English & Literacy: 1, 2, 3, 4, 5, 6
- Work Based Learning: 1, 2, 3, 4, 5, 6, 7, 8, 9
- Science: 1, 2, 8
- Transferable Skills: 1, 2, 3, 4, 5
- Art: 1, 3, 4
- Social Studies: 1, 6, 7, 14, 20

Digital Media Arts I & II

- Math: 1, 2, 5
- English & Literacy: 1, 2, 3, 4, 5, 6
- Work Based Learning: 1, 2, 3, 4, 5, 6, 7, 8, 9
- Media Arts: 1, 2, 3, 4
- Transferable Skills: 1, 2, 3, 4, 5
- Art: 1, 2, 3, 4
- Social Studies: 1, 6, 7, 14, 20

Electrical Technology

- Math: 1, 2, 4, 5
- English & Literacy: 1, 2, 3, 4, 5, 6
- Work Based Learning: 1, 2, 3, 4, 5, 6, 7, 8, 9
- Science: 1, 2, 8
- Transferable Skills: 1, 2, 3, 4, 5
- Art: 1, 3, 4
- Social Studies: 1, 6, 7, 14, 20

Emergency Services / Advanced EMT

- Math: 1, 3, 5
- English & Literacy: 1, 2, 3, 4, 5, 6
- Work Based Learning: 1, 2, 3, 4, 5, 6, 7, 8, 9
- Science: 1, 2, 3
- Transferable Skills: 1, 2, 3, 4, 5
- Art: 1, 3, 4
- Phys. Ed.: 1, 3, 4
- Social Studies: 1, 6, 7, 14, 20

Exploratory Technology

- Math: 1, 2, 3, 5, 6
- English & Literacy: 1, 2, 3, 4, 5, 6
- Work Based Learning: 1, 2, 3, 4, 5, 6, 7, 8, 9
- Science: 1, 2, 3
- Transferable Skills: 1, 2, 3, 4, 5
- Global Citizenship: 1, 6, 7, 14, 20
- Art: 1, 3, 4
- Phys. Ed.: 1, 3, 4

Medical Professions

- Math: 1, 2, 3, 6
- English & Literacy: 1, 2, 3, 4, 5, 6
- Work Based Learning: 1, 2, 3, 4, 5, 6, 7, 8, 9
- Science: 3, 5
- Transferable Skills: 1, 2, 3, 4, 5
- Art: 1, 3, 4
- Health: 1, 2, 3, 4, 5, 6
- Social Studies: 1, 6, 7, 14, 20

Natural Resources & Sustainability

- Math: 1, 2, 3, 5, 6
- English & Literacy: 1, 2, 3, 4, 5, 6
- Work Based Learning: 1, 2, 3, 4, 5, 6, 7, 8, 9
- Science: 2, 3, 4, 7, 8
- Transferable Skills: 1, 2, 3, 4, 5
- Art: 1, 3, 4
- Phys. Ed.: 1, 3, 4
- Social Studies: 1, 6, 7, 14, 20

Plumbing & Heating

- Math: 1, 2, 5
- English & Literacy: 1, 2, 3, 4, 5, 6
- Work Based Learning: 1, 2, 3, 4, 5, 6, 7, 8, 9
- Science: 1, 2, 8
- Transferable Skills: 1, 2, 3, 4, 5
- Art: 1, 3, 4
- Social Studies: 1, 6, 7, 14, 20

CVCC embedded credits aligned with sending schools (see notes)

PROGRAM	ENGLISH	MATH	SCIENCE	ART	SOCIAL STUDIES (not US History)	OTHER
Automotive Technology	👍	👍	👍	👍	👍	1/2 PE, 1/2 Elective
Baking & Culinary Arts	👍	👍	👍	👍	👍	1 Elective
Building Trades	👍	👍	👍	👍	👍	1 PE
Cosmetology I & II	👍	👍	👍	👍	👍	1 Elective
Design Arts	👍	👍	👍	👍	👍	1 Elective
Digital Media Arts I & II	👍	👍	👍	👍	👍	1 Elective
Electrical Technology	👍	👍	👍	👍	👍	1 Elective
Emergency Services / Advanced EMT	👍	👍	👍	👍	👍	1/2 PE, 1/2 Elective
Exploratory Technology (10th grade only)	👍	👍	👍	👍	👍	1/2 PE, 1/2 Elective
Medical Professions	👍	👍	👍	👍	👍	1 Elective
Natural Resources & Sustainability	👍	👍	👍	👍	👍	1 PE
Plumbing & Heating	👍	👍	👍	👍	👍	1 Elective

NOTES:

- COOP earns same credits/proficiencies as the associated CVCC program
- Upon successful completion of a CVCC program each student will be awarded the allowed credits from their sending school.





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Thank you to our students who served as front-line
emergency workers during the most difficult times of
the COVID-19 Pandemic.