Vermont Career and Technical Education

July 13, 2016 | **Approved Industry Recognized Credentials**

Changes since the 2015-'16 school year:

December 7, 2015   43.01045 new FEMA certs and one modified FEMA cert

47.0604	Lifting It Right
51.0601	Traditional Dental Assistant
12.0401	HeartSaver First Aid, CPR and AED
12.0401S/P2	Cosmetology
12.0500	ServSafe Allergens
47.0508	OSHA 10

June 13, 2016   13.1210 and 13.1209   AHA and VCCICC

12.0500S/P2	Culinary
15.0507	Wilderness First Aid
52.0000	American Red Cross First Aid
19.0707	FEMA certifications
Multiple	Conover Workplace Readiness

VERMONT
AGENCY OF EDUCATION

Table of Contents

Agriculture, Food & Natural Resources

American Heart Association http://www.heart.org/idc/groups/heart-public/@wcm/@private/@ecc/documents/downloadable/ucm_306636.pdf
Heartsaver Automated External Defibrillator   AHA-HSAED
Heartsaver CPR   AHA-HSCPR
Heartsaver First Aid   AHA-FA

Program(s): Agricultural Mechanics 01.0201
Forestry/Natural Resources   03.0501
Natural Resources 2   03.0104

Program(s): Forestry/Natural Resources   03.0501
Horticulture   01.0601

American Welding Society Certificates
American Welding Society
Includes other certificates not listed below:
American Welding Society -Structural Steel   AWS-SS
American Welding Society -TIG   AWS-TIG

Program(s): Natural Resources 2   03.0104
Forestry/Natural Resources   03.0501
Agricultural Mechanics   01.0201

Game of Logging Chainsaw Safety
Northeast Woodland Training Inc.
 Students can participate in the Game of Logging (GOL) for levels 1-4 in chainsaw safety, operation, and maintenance. This credential will provide the first of three requirements for the Logging Education to Advance Professionalism (see below), a program administered by the Northeast Forest Stewardship Project. The remaining two requirements, ecology and professionalism, could be obtained by attending the appropriate workshops administered by LEAP (see below) during their final year at the Tech Center.

Game of Logging Chainsaw Safety Training Level 1   GOLCST1
Personal protective equipment, notching, bore cutting, five point felling plan, felling practice.
Game of Logging Chainsaw Safety Training Level 2   GOLCST2
Routine saw maintenance, carburetor tune-up, chain sharpening, dealing with spring poles, and more felling practice.
Game of Logging Chainsaw Safety Training Level 3   GOLCST3
Estimating side and back lean, six point limbing, bucking and limbing cuts, felling difficult trees.
Game of Logging Chainsaw Safety Training Level 4   GOLCST4

Job planning with flagging, hot vs. cold logging, felling exercises on difficult trees.

Program(s): Environmental Technology   15.0507
      Forestry/Natural Resources   03.0501
      Horticulture   01.0601
      Natural Resources 2   03.0104
      Diversified Agriculture   01.0302

Logger Education to Advance Professionalism (LEAP)

Northeast Forest Stewardship Program
See Game of Logging described above for certification information.

Program(s): Forestry/Natural Resources   03.0501

First Aid/CPR/AED
ARC-FA/CPR/AED
American Red Cross

Program(s): Horticulture   01.0601
      Forestry/Natural Resources   03.0501

Occupational Safety and Health Administration 10-hr
OSHA-10
Occupational Safety and Health Administration
10-hour OSHA training is available from various sources. Source must be endorsed by the U. S. Occupational Safety and Health Administration.

Program(s): Agricultural Mechanics 01.0201
      Diversified Agriculture   01.0302
      Horticulture   01.0601
      Natural Resources 2   03.0104
      Forestry/Natural Resources   03.0501

Vermont Department of Motor Vehicles – Commercial Drivers Licenses
VT DMV - CDL Licenses
The CDL license is required for driving certain kinds of commercial vehicles. Skill and vision testing is a required part of the process to gain this license.

Program(s): Forestry/Natural Resources   03.0501

Conover Workplace Readiness   CWR   **Conover Company**
Pass all three assessments for Job Readiness, Job Seeking, and Job Keeping

VERMONT
AGENCY OF EDUCATION

Program(s): Horticulture   01.0601
Forestry/Natural Resources   03.0501

National Safe Tractor & Machinery Operation –NSTMO
US Department of Labor

Requires a minimum of 24 hours of classroom instruction and field trips. Other requirements include:

1. You must be at least 14 years of age on the test date to be allowed to take the Skills and Driving Tests. If you are under the age of 14, you are permitted to attend educational classes and take the Written Test but are not allowed to operate tractors or other equipment if practice sessions are held.
2. The Written, Skills, and Driving Tests must be passed with a minimum score of 70% before you can be awarded a Certificate of Training. The locations where these tests are given hereafter are referenced as Test Stations.
3. The Written Test will consist of a combination of 50 multiple-choice and true/false questions from a question bank based on NSTMOP Task Sheets that cover the MCCA. The Written Test must be passed with a 70% or better before you can move to the Skills Test.
4. You must pass first the Written Test and then the Skills Test before you can take the Driving Test.

Program(s): Agricultural Mechanics 01.0201
Diversified Agriculture   01.0302
Forestry/Natural Resources   03.0501
Horticulture   01.0601
Natural Resources 2   03.0104

Equipment & Engine Service - EETC
Equipment & Engine Training Council (formerly OPEESA) administers the training and certification.

Program(s): Agricultural Mechanics 01.0201
Forestry/Natural Resources   03.0501

Pesticide Applicator Cert.-Worker Protection Std.   PA-WP
Environmental Protection Agency

The pesticide applicator certification and training program provides pesticide applicators with the knowledge and ability to use pesticides safely and effectively. Pesticide applicators are trained by state Cooperative Extension Service pesticide applicator training programs and are certified by pesticide State Lead Agencies.

Program(s): Diversified Agriculture 01.0302
Horticulture   01.0601

Wilderness First Aid
WFA - Solo Home Courses

Program(s): Environmental Technology   15.0507

Wildlands Fire Training
Wild (see page 22) **Vermont Fire Service Training Council**

Program(s): Forestry/Natural Resources   03.0501

Architecture & Construction

AGC Certifications
[Association of General Contractors](#)
AGC-Carpentry   AGC-C

Program(s): Carpentry	46.0201
Heating, Ventilation & AC	15.0501
Construction	15.0415
Building Technology 2	46.0412

AGC-Electrical   AGC-E

Program(s): Elec./Electronics Occupations	46.0302

AGC-Plumbing   AGC-P

Program(s): Heating, Ventilation & AC	15.0501

AGC-Heavy Equipment   AGC-HE

Program(s): Heavy Equipment	49.0202

AGC-Heating, Ventilation & Air Conditioning   AGC-HVAC

Program(s): Heating, Ventilation & AC	15.0501

[ASE, Automotive Service Excellence (formerly NATEF)](#)
Medium/Heavy Truck:
- *ASE Certification Diesel Engines   ASE-TD*
- *ASE Certification Brakes   ASE-TB*
- *ASE Certification Suspension & Steering   ASE-TSS*
- *ASE Certification Electrical/Electronic Systems   ASE-TE*
- *ASE Certification Engine Performance   ASE-TEP*

Program(s): Heavy Equipment	49.0202

[Autodesk](#)
Exams given by Certiport
AutoCAD   AutoCAD
Revit Certified User   Revit U

Program(s): Drafting & Design	15.1301

National Center for Construction Education & Research
[National Center for Construction Education & Research (NCCER)](#)
The certificate must be issued by the NCCER in order to be valid.
NCCER-Carpentry   NCCER-C

Program(s): Carpentry	46.0201
Heating, Ventilation & AC	15.0501
Building Technology 2	46.0412
Construction	46.0415

NCCER-Construction Core   NCCER-CC

Program(s): Carpentry	46.0201
Heating, Ventilation & AC	15.0501
Building Technology 2	46.0412
Construction	46.0415

NCCER-HVAC   NCCER-H
Program(s): Heating, Ventilation & AC   15.0501

[Vermont Department of Labor Apprenticeship and Vermont Technical College](#)
Electrical Apprenticeship 1 Test   App-E

Program(s): Elec./Electronics Occupations	46.0302
Heating Ventilation & AC	15.0501

Plumbing Apprenticeship 1 Test   App-P

Program(s): Heating Ventilation & AC	15.0501

ESCO Group Certifications
HVAC excellence is an affiliate of the ESCO group. ESCO grades exam and issues cards
EPA Act 608 Safe Refrigerant Handling Cert.   EPA608-SRHC   ESCO Institute, The [ESCO Group Certifications](#)
Instruction and exam. Federal regulations require that persons who work with regulated refrigerants be certified.
HVAC Excellence:
[Heating, Electrical, Air Conditioning Technology, H.E.A.T](#)   HEAT
For secondary students
Heating, Electrical, Air Conditioning Technology, H.E.A.T Plus   HEAT+

A comprehensive end of program assessment containing the H.E.A.T. competencies plus computer literacy, safety, related math, employability skills, work ethics and a performance component (hands-on). HVAC Certifications

Program(s): Heating, Ventilation & AC   15.0501

Other Certifications
Bronze Oilheat Technician Certification   NORA-BOTC   Alliance/NE Fuel Inst.
National Oilheat Research
The Bronze certificate plus 3 years of field experience qualifies for the NORA Silver certificate.

Program(s): Heating, Ventilation & AC   15.0501

Certified SolidWorks Associate   CSWA   Dessault Systemes SolidWorks Corp.
3-D Mechanical CAD exam is an on-line written exam that is timed to be a three-hour assessment. Students must earn a minimum of 70% for certification.

Program(s): Drafting & Design   15.1301

Commercial Drivers License   CDL   Vermont Department of Motor Vehicles Vermont Department of Motor Vehicles - CDL
The CDL license is required for driving certain kinds of commercial vehicles. Skill and vision testing is a required part of the process to gain this license.

Program(s): Heavy Equipment   49.0202

Conover Workplace Readiness   CWR   Conover Company
Pass all three assessments for Job Readiness, Job Seeking, and Job Keeping

Program(s): Carpentry   46.0201
          Drafting & Design   15.1301

Heartsaver CPR   AHA-HSCPR   American Heart Association
The American Heart Association offers a comprehensive portfolio of both credentialed courses and awareness programs to train middle and high school students. CPR may be required of licensed electricians. (see also page 15 for American Red Cross)

Program(s): Elec./Electronics Occupations   46.0302

Leadership in Energy & Environmental Design Associate   LEED-A
Unites States Green Building Council

Program(s): Carpentry   46.0201
Elec./Electronics Occupations   46.0302
Heating Ventilation & AC   15.0501
Building Technology 2   46.0412
Construction   46.0415

Occupational Safety and Health Administration 10-hr   OSHA-10
Occupational Safety and Health Administration
10-hour OSHA training is available from various sources. Source must be endorsed by the U. S. Occupational Safety and Health Administration.
Program(s): Carpentry   46.0201
Elec./Electronics Occupations 46.0302
Heating Ventilation & AC   15.0501
Heavy Equipment   49.0202

OSHA 30 Hour Training Course   OSHA-30 Occupational Safety and Health Administration
Orientation to occupational safety and health for workers covered by OSHA 29 CFR 1926.

Program(s): Heating Ventilation & AC   15.0501

S/P2 Construction   S/P2-C Coordinating Committee for Auto Repair
Online safety training program with self-guided modules and tests. *See also OSHA-10 (above)*

Program(s): Carpentry   46.0201
Heating Ventilation & AC   15.0501

Vermont Flagging Certification   VT Flag American Traffic Safety Services Association
Four-hour course on flagging and traffic control.

Program(s): Heavy Equipment   49.0202

Woodwork Career Alliance Basic Certification   WCA-Basic
Woodwork Career Alliance of North America

Beyond the "Basic" there is a series of woodworking credentials
Program(s): Carpentry   46.0201

Arts, A/V Technology & Communications
Adobe Certified Associate
[Adobe Systems Incorporated (via Certiport)](#)
This certification is a credential that validates entry-level skills needed to plan, design, build, and maintain effective communications by using different forms of digital media. Developed and deployed by Certiport, each associate-level certification exam will correspond to a particular Adobe application used for digital communication. These are:
Adobe Certified Associate - Dreamweaver   ACA-D
Web Communication using Adobe Dreamweaver
Adobe Certified Associate - Flash   ACA-F
Rich Media Communication using Adobe Flash
Adobe Certified Associate - Illustrator   ACA-I
Graphic Design & Illustration using Adobe Illustrator
Adobe Certified Associate - InDesign   ACA-In
Print &Digital Media Publication using Adobe InDesign
Adobe Certified Associate - Photoshop   ACA-P
Visual Communication using Adobe Photoshop
Adobe Certified Associate - Premiere   ACA-Pr
Video Communication using Adobe Premiere

Program(s): Animation & Web Design   10.0304
        Design Visual Communication   50.0401
        Printing   10.0301
        Graphic Design   50.0409
        Video Production   50.0602
        Gaming, Animation & Web Design   50.0411

CIW Certifications   [Certification Partners L.L.C.](#)
Stacked vendor-neutral credentials for the IT industry. Can be earned individually or as parts of comprehensive exams. Other certifications are available.
Web Foundations Associate   CIW-WFA
        Internet Business Associate   CIW-IBA
        Site Development Associate   CIW-SDA
        Network Technology Associate   CIW-NTA
Web Design Professional   CIW-WDP
        Web Design Specialist   CIW-WDS
        E-Commerce Specialist   CIW-ES

Program(s): Animation & Web Design   10.0304
        Design Visual Communication   50.0401
        Graphic Design   50.0409
        Gaming, Animation & Web Design   50.0411

VERMONT
AGENCY OF EDUCATION

PrintEd (GAERF)   [Graphic Arts Education and Research Foundation](#)
PrintEd, administered by the Graphic Arts Education and Research Foundation (GAERF®) is a national accreditation program, based on industry standards, for graphic communications courses of study at the secondary and post-secondary levels. It was created in response to the need for skilled entry-level workers in the printing industry. Graduates of the program bring to the workplace an equivalent of six-months on-the-job training. On-line certification assessments are offered in 3 of the 7 PrintEd competency areas including:
Intro to Graphic Comm-PrintEd   PrEd-DFP

Animation & Web Design   10.0304

Digital File Preparation-PrintEd   PrEd-Int

Program(s): Animation & Web Design   10.0304
        Printing   10.0301
        Design Visual Communication   50.0401
        Graphic Design   50.0409

Press Operations-PrintEd   PrEd-PO

Program(s): Printing   10.0301

Internet and Computing Core Certification (IC3)   [Certiport Inc.](#)
Internet & Computing Core - Computing Fundamentals   IC3-CF
Internet & Computing Core - Key Applications   IC3-KA
Internet & Computing Core - Living Online   IC3-LO
Program(s):   Video Production   50.0602

[WOW, Worldwide Organization of Webmasters](#)
Web Administrator Apprentice   WOW-A
Certified Web Administrator Apprentice: Web Administrator Apprentices are aware of the fundamental concepts for the hardware and software infrastructure supporting Internet communications. The CWAA-apprentice possesses a basic understanding of servers, routers, security, network management, and systems maintenance.
Web Designer Apprentice   WOW-DA
Certified Web Designer Apprentice: Web Designer Apprentices are familiar with the visual arts and are learning to create images and designs that capture and keep visitors' interest. They present aesthetically enticing designs that meet the requirements and preferences of their audience.
Web Designer Associate   WOW-As
Web Designer Apprentices are familiar with the visual arts and are learning to create images and designs that capture and keep visitors' interest. They present aesthetically enticing designs that meet the requirements and preferences of their audience.

Web Developer Apprentice   WOW-Dv
Certified Web Developer Apprentice: Web Developer Apprentices are familiar with the fundamentals of creating web site structure and interactivity. They are learning to use database tools and custom applications to prepare sites for dynamic presentation of content to the visitor.
Webmaster Apprentice   WOW-M
Certified Apprentice Webmaster: WOW Certified Webmaster apprentices understand the basic breadth of topics that fall under Webmastering. Apprentice Webmasters know about the majority of subjects within the Associate Webmaster criteria, but with less depth into the individual topics.

Program(s): Animation & Web Design   10.0304
          Printing   10.0301
          Video Production   50.0602
          Gaming, Animation & Web Design   50.0411

Other Certifications
Apple Certified Pro - Level One Final Cut Pro   ACP-L1-FC   Apple Certified Pro Apps
Certification in an application attests to basic operational knowledge of that application. If you believe you have the required knowledge, you may take the exam at an Apple Authorized Training Center (AATC) for a fee.
Program(s): Animation & Web Design   10.0304
          Design Visual Communication   50.0401

Conover Workplace Readiness   CWR   Conover Company
Pass all three assessments for Job Readiness, Job Seeking, and Job Keeping

Program(s): Video Production   50.0602
          Performing Arts   50.0501
          Performing Arts – Dance   50.0301

Occupational Safety and Health Administration 10-hr   OSHA-10
Occupational Safety and Health Administration
10-hour OSHA training is available from various sources. Source must be endorsed by the U. S. Occupational Safety and Health Administration.

Program(s): Design Visual Communication 50.0401
          Gaming, Animation and Web Design   50.0411
          Performing Arts   50.0501
          Performing Arts – Dance   50.0301

VERMONT
AGENCY OF EDUCATION

Graphic Design Visual Arts Final Portfolio GDVAFP [Lyndon State College - Visual Arts Degree](#)
Lyndon State College/**Graphic Design/Digital Publishing Advisory Council**
The certificate is aligned with and regularly used as the mechanism to receive postsecondary credit at Lyndon State College.

Program(s): Animation & Web Design   10.0304
        Graphic Design   50.0409
        Printing   10.0301
        Design Visual Communication   50.0401

[Mobile Electronics Certified Professional](#)
Certified Fiber Optic Technician   (see page 23)

Business Management & Administration, Finance
[IRS.Gov Link & Learn Taxes](#)
Web-based program providing courses. This training prepares SPEC partners and volunteers to provide quality tax return preparation services in their local communities.
Link & Learn – Basic LLT-B
Link & Learn – Advanced LLT-A
Link & Learn – Ethics LLT-E

Program(s): Bus-Financial Support Occ.   52.0305
        Business   52.0000
        Bus-Management   52.0101
        Bus-Adm. Information Support   52.0407

Microsoft Certifications
  [Certiport and Microsoft](#) and [Certiport and Microsoft Certification](#) (show all)
Microsoft Office Specialist is the official Microsoft Office certification for desktop productivity. To support the release of the 2007 Microsoft Office system, the Microsoft Certified Application Specialist (MCAS) Series will be introduced, up-dating the skill assessment for Word, Excel, PowerPoint, Access, and Outlook. Certifications earned recently are listed below:
Microsoft Office Specialist-Access   MOS-A

Program(s): Bus-Financial Support Occ.   52.0305
        Bus-Management   52.0101
        Business   52.0000
        International Business   52.1101

Microsoft Office Specialist-Excel   MOS-Exc

Program(s): Bus-Financial Support Occ.   52.0305

Bus-Management   52.0101
Business   52.0000
International Business   52.1101

Microsoft Office Specialist-PowerPoint   MOS-PP

Program(s): Bus-Management   52.0101
International Business   52.1101
Business   52.0000

Microsoft Office Specialist-Outlook   MOS-O

Program(s): Bus-Management   52.0101
International Business   52.1101
Business   52.0000

Microsoft Office Specialist-Word   MOS-W

Program(s): Bus-Adm. Information Support 52.0407
Bus-Management   52.0101
International Business   52.1101
Business   52.0000

National Retail Foundation Certifications
National Retail Foundation   National Retail Foundation Certifications
Customer Service Certificate   CSC
The Customer Service Certification is based on the national skill standards for Customer Service. It assesses essential customer service knowledge and skills that enhance interaction with customers to provide information in response to inquiries about products and services as well as ability to handle and resolve customer complaints.

Program(s): Bus-Adm. Information Support 52.0407
Business   52.0000

Other Certifications
Conover Workplace Readiness   CWR   Conover Company
Pass all three assessments for Job Readiness, Job Seeking, and Job Keeping

Program(s): Business 52.0000

DECA School Based Enterprise Individual Certification   DECA SBE   Distributive Education Clubs of America

The SBE Individual Certification Exam tests student competency in the following instructional areas:

Financial Analysis
Operations
Marketing-Information Management
Market Planning
Product/Service Management
Pricing
Distribution
Promotion
Selling
Human Resources Management
Program(s): Bus-Adm. Information Support 52.0407
Bus-Financial Support Occ.   52.0305
Bus-Management   52.0101
International Business   52.1101
Business   52.0000

First Aid/CPR/AED   ARC-FA/CPR/AED   American Red Cross

Program(s): Business Management.   52.0101
Business   52.0000

MoneySKILL   AFSA-MS American Financial Services Education Foundation
Financial Literacy online modules for high school students.

Program(s): Bus-Financial Support Occ.   52.0305
Business   52.0000
Bus-Management   52.0101
Bus-Adm. Information Support   52.0407

Occupational Safety and Health Administration 10-hr   OSHA-10
Occupational Safety and Health Administration
10-hour OSHA training is available from various sources. Source must be endorsed by the U. S. Occupational Safety and Health Administration.

Program(s): Bus-Adm. Information Support 52.0407
Bus-Financial Support Occ.   52.0305   International Business   52.1101
Bus-Management   52.0101
Business   52.0000

VERMONT
AGENCY OF EDUCATION

Virtual Business – Personal Finance KM-PF [Knowledge Matters](#)
Online Financial Literacy

Program(s): Bus-Adm. Information Support 52.0407
       Bus-Financial Support Occ.   52.0305
       Bus-Management   52.0101
       Business   52.0000

W!SE Financial Literacy   W!SE FL [Working in Support of Education](#)

Program(s): Bus-Adm. Information Support 52.0407
Bus-Financial Support Occ.   52.0305
Bus-Management   52.0101
Business   52.0000

[WOW Certifications](#) (see page 8)

Education & Training
[American Heart Association](#)
The American Heart Association offers a comprehensive portfolio of both credentialed courses and awareness programs to train middle and high school students. Fulfils requirement of CPR for personnel working in licensed child care centers.
Heartsaver Automated External Defibrillator   AHA-HSAED
Heartsaver CPR   AHA-HSCPR
Heartsaver First Aid   AHA-FA
Program(s):   Early Childhood Education   13.1210Child Care Human Services   13.1209

American Red Cross Certifications
[American Red Cross](#)
Community First Aid and Safety   ARC-CFA
CPR-Child, Infant and Adult   ARC-CPR-CIA

Program(s):   Early Childhood Education   13.1210Child Care Human Services   13.1209

[FEMA & Emergency Management Institute](#)
The Emergency Management Institute (EMI) offers self-paced courses designed for people who have emergency management responsibilities and the general public.
Effective Communication (IS-242.b)   EMI242b
Multi-hazard Planning for Childcare (IS-36)   EMI36
Planning for the Needs of Children in Disasters EMI366a
Multi-hazard Planning for Schools EMI362a

Program(s):   Early Childhood Education   13.1210Child Care Human Services   13.1209

Vermont Child Care Apprenticeship Credentials
[Vermont Child Care Industry and Careers Council](#)
The Vermont Child Care Industry and Careers Council has developed several scenario assessments that support CDA standards.
VT Child Care ICC - 3 Level 1 Assessments   VCCICC-L1
Conversation, Dramatic Play, Hand Washing
VT Child Care ICC - 3 Level 2 Assessments   VCCICC-L2

Mid Day and End of Day Transitions, Nap Time
VT Child Care ICC - 3 Level 3 Assessments   VCCICC-L3
Meeting Time, Sharing Concerns

Program(s):   Early Childhood Education   13.1210Child Care Human Services   13.1209

Also see Northern Lights (below)

Early Childhood Regulation Training   ECRT
[Vermont Northern Lights Career Development Center](#)
Toward child care licensing (CDA)

Program(s):   Early Childhood Education   13.1210Child Care Human Services   13.1209

Health Science
[American Heart Association Certifications](#)
The American Heart Association offers a comprehensive portfolio of both credentialed courses and awareness programs to train middle and high school students. Options for adult, child, and infant CPR, relief of choking, and use of an AED (Automated External Defibrillator) and other more specialized credentials.
Health Care Provider CPR   AHA-HCP-CPR
Heartsaver Automated External Defibrillator   AHA-HSAED
Heartsaver CPR   AHA-HSCPR
Heartsaver First Aid   AHA-FA

Program(s): Health Careers   51.0001

American Red Cross Certifications
[American Red Cross Instructors Corner](#)
Blood Borne Pathogens   ARC-BBP

Program(s): Health Careers   51.0001
　　　　Health Information Management   51.0716

CPR/AED for Professional Rescuer   ARC-CPR/AED-PR

Program(s): Dental Assisting 51.0601

CPR/AED   ARC-CPR/AED

Program(s): Health Careers   51.0001
　　　　Health Information Management   51.0716

First Aid   ARC-FA

Program(s): Health Careers   51.0001
　　　　Health Information Management   51.0716

First Aid: Responding to Emergencies   ARC-FARE
Program(s): Health Careers   51.0001

Dental Assisting National Board Inc. and VT State Board of Dental Examiners   [Dental Assisting National Board](#) Also [Vermont Secretary of State - Dental Examiners Forms & Applications](#)
Certified Dental Assistant   CDATraditional Dental Assistant   TDA

Program(s): Dental Apprenticeship Yr 2   51.0602

Dental Assisting   51.0601

National Registry of Emergency Medical Technicians
National Registry of Emergency Medical Technicians
First Responder EMT   EMT-FR
The computer based cognitive examinations consists of items from six major categories: Airway & Breathing, Cardiology, Medical, Trauma, OB/Gyn/Peds, and Operations. The number of items from each category is determined by an examination test plan (also known as a blueprint) which has been approved by the NREMT Board of Directors.

Program(s): Health Careers   51.0001

EMT-Basic   EMT-B
Covers same material as First Responder but more in-depth. Student must be approaching 18 years old to take exam and must be 18 to have the credential.
Program(s): Health Careers   51.0001

Other Certifications
Conover Workplace Readiness   CWR   Conover Company
Pass all three assessments for Job Readiness, Job Seeking, and Job Keeping

Program(s): Health Careers   51.0001
Dental Radiology   D-RAD   Commission on Dental Accreditation
The program must be accredited by CODA. Upon completion of an accredited course, students receive certification in Dental Radiology.

Program(s): Dental Apprenticeship Yr 2   51.0602
Dental Assisting   51.0601

Licensed Nurse Assistant   LNA   State of Vermont Office of Professional Regulation
Students must attend a State approved LNA program and apply for licensure upon successful completion.

Program(s): Health Careers   51.0001

Occupational Safety and Health Administration 10-hr   OSHA-10
Occupational Safety and Health Administration
10-hour OSHA training is available from various sources. Source must be endorsed by the U. S. Occupational Safety and Health Administration.

Program(s): Health Careers   51.0001

Hospitality & Tourism

S/P2 Culinary   [Coordinating Committee for Auto Repair](#)
Online safety training program with self-guided modules and tests. *See also OSHA-10 (above)*

Program(s): Culinary Arts   12.0500
        Culinary Management   12.0504

American Hotel & Lodging Educational Institute
[American Hotel & Lodging Educational Institute Certifications](#)

Hospitality & Tourism Management Program HTMP
[Hospitality & Tourism Management Program HTMP](#)

Program(s): Hotel Management   52.0904

National Retail Foundation Certifications   [National Retail Foundation](#)
Customer Service Certificate   CSC
The Customer Service Certification is based on the national skill standards for Customer Service. It assesses essential customer service knowledge and skills that enhance interaction with customers to provide information in response to inquiries about products and services as well as ability to handle and resolve customer complaints.

Program(s): Hotel Management   52.0904

National Restaurant Association (and Education Foundation)
[National Restaurant Association](#)
NRA Cooking NRA-C   [Servsafe-NRA-C\](#)
Pearson cooking exam
NRA Baking NRA-B   [Servsafe-NRA-B](#)
Pearson baking exam
ManageFirst Customer Service MF-CS   [ManageFirst Customer Service MF-CS](#)
Customer Service
ManageFirst Food Production MF-FP   [ManageFirst Food Production MF-FP](#)
Food Production
ManageFirst Inventory and Purchasing MF-IP [ManageFirst Inventory and Purchasing MF-IP](#)
Inventory and Purchasing
ProStart PS [ProStart PS](#)
 Students who successfully complete the Restaurant, Food and Beverage Services program and are accredited by the Hospitality Business Alliance in partnership with the National Restaurant Association can receive a ProStart Certificate. The program includes 360 hours of formal instruction and 400 hours of workbased learning.
ServSafe Food Handler   ServSafe-FH   [ServSafe-FH](#)

ServeSafe is a national certification for food handlers
ServSafe Manager   ServSafe-M   ServSafe-M
For managers of food handlers
ServSafe Allergens   ServSafe-A   ServSafe-A
Allergens

Program(s): Culinary Arts   12.0500
          Culinary Management   12.0504

Other Certifications

Conover Workplace Readiness   CWR   Conover Company
Pass all three assessments for Job Readiness, Job Seeking, and Job Keeping

Program(s): Culinary Arts   12.0500

Occupational Safety and Health Administration 10-hr   OSHA-10
Occupational Safety and Health Administration
10-hour OSHA training is available from various sources. Source must be endorsed by the U. S. Occupational Safety and Health Administration.

Program(s): Culinary Arts   12.0500

Secondary Culinary Graduate/Certified Junior Culinarian   SCG-ACF
American Culinary Federation Education Foundation (ACF)
The ACFEFAC certifies programs defined as those awarding certificates and diplomas in the culinary arts and baking and pastry arts. Student exam for CJC is administered by NOCTI.

Program(s): Culinary Arts   12.0500

Human Services
[American Red Cross Certifications](#)
Community First Aid and Safety   ARC-CFA
CPR-Child, Infant and Adult   ARC-CPR-CIA
First Aid for Youth   ARC-FAY
First Aid/CPR/AED   ARC-FA/CPR/AED
Program(s): Human Services 19.0707

Blood Borne Pathogens   ARC-BBP

Program(s): Cosmetology   12.0401
        Salon Management   12.0412

 [FEMA & Emergency Management Institute](#)
The Emergency Management Institute (EMI) offers self-paced courses designed for people who
have emergency management responsibilities and the general public.
Effective Communication (IS-242.b) EMI242b
Multi-hazard Planning for Childcare (IS-36) EMI36
Planning for the Needs of Children in Disasters EMI366a
Multi-hazard Planning for Schools EMI362a

Program(s): Human Services 19.0707

Pivot Point Certifications
[Pivot Point International Education](#)
Pivot Point International Education offers technical and practical knowledge to succeed and
gain licensure. The program offers instruction to effectively and professionally interact with
clients and build a client base. There is a Student Benefit Package which includes a $1000
scholarship for additional courses. Modules include:
Color Design   PP2-CD
Hair Design   PP1-HD
Ladies Sculpture   PP1-LS
Long Hair Design   PP1-LHD
Mens Sculpture   PP2-MS
Perm Design   PP2-PD
Program(s): Cosmetology   12.0401
        Salon Management   12.0412

State of Vermont Office of Professional Regulation
[VT Secretary of State - Barbers-Cosmetologists](#)
Licensed Cosmetologist   LC
To be eligible for a cosmetologist license, the applicant must:
- be at least 18 years of age;

- have a high school diploma or general educational development diploma (GED);
- provide documentation of 1,500 hours of professional training or 24 months apprenticeship.

Program(s): Cosmetology   12.0401
     Salon Management   12.0412

[Vermont Northern Lights Career Development Center](#)
Early Childhood Regulation Training   ECRT
Toward child care licensing

Program(s): Human Services 19.0707

Other Certifications
Barbicide   Barb   Blueco Brands   [Barbicide -Training-Certification](#)

Program(s): Cosmetology   12.0401
     Salon Management   12.0412

Conover Workplace Readiness   CWR   [Conover Company](#)
Pass all three assessments for Job Readiness, Job Seeking, and Job Keeping

Program(s): Human Services 19.0707
     Cosmetology   12.0401
     Salon Management   12.0412
Occupational Safety and Health Administration 10-hr   OSHA-10
[Occupational Safety and Health Administration](#)
10-hour OSHA training is available from various sources. Source must be endorsed by the U. S. Occupational Safety and Health Administration.

Program(s): Cosmetology   12.0401
     Salon Management   12.0412

S/P2 Cosmetology   S/P2-Cos [S/Ps-Cosmetology](#)

Program(s): Cosmetology   12.0401
     Human Services   19.0707

Information Technology
CIW Certifications
Certification Partners L.L.C.
Stacked vendor-neutral credentials for the IT industry. Can be earned individually or as parts of four comprehensive exams:
Web Foundations Associate   CIW-WFA
>   *Internet Business Associate   CIW-IBA*
>   *Site Development Associate   CIW-SDA*
>   *Network Technology Associate   CIW-NTA*
Web Design Professional   CIW-WDvP
>   *Web Design Specialist   CIW-WDS*
>   *E-Commerce Specialist   CIW-ES*
Web Development Professional   CIW-WDsP
>   *JavaScript Specialist   CIW-JS*
>   *Database Design Specialist   CIW-DDS*
>   *Perl Specialist   CIW-PS*
Web Security Professional   CIW-WSP
Additional requirements – see website
>   *Web Security Specialist   CIW-WSS*
>   *Web Security Associate   CIW-WSA*

Program(s): Computer Network Mgmt   11.0901
>   Networking Year 2   11.1002
>   Web/Multimedia Management   11.1004

Cisco
Cisco Systems Inc.
Cisco Certified Entry Networking Technician   CCENT
Validates the ability to install, operate and troubleshoot a small enterprise branch network, including basic network security. CCENT is the first step toward achieving CCNA, which covers medium size enterprise branch networks with more complex connections.
Cisco Certified Technician   CCT
Cisco Certified Technicians have the skills to diagnose, restore, repair, and replace critical Cisco networking and system devices at customer sites

Program(s): Computer Network Mgmt   11.0901
>   Networking Year 2   11.1002
>   Web/Multimedia Management   11.1004

*Note: Cisco also offers **IT Essentials**, a curriculum that prepares students for the A+ exam (see below). It is not a credential.*

CompTIA, Computer Technology Industry Association Certifications

Computer Technology Industry Association
CompTIA

CompTIA certifications are credentials achieved through a testing process, to validate knowledge within a specific IT support function. All CompTIA exams are developed by subject matter experts, and the certifications are recognized throughout the industry as the standard for proving foundation-level skill sets.

CompTIA A+   A+
For entry-level IT technicians, the CompTIA A+ exam covers preventative maintenance, basic networking, installation, troubleshooting, communication and professionalism.

CompTIA Linux+   Linux+
For experienced Linux professionals, the CompTIA Linux+ exam covers user administration, file permissions, software configurations and the fundamental management of Linux systems.

CompTIA Network +   N+
For networking professionals, the CompTIA Network+ exam covers managing, maintaining, troubleshooting, operating and configuring basic network infrastructure.

CompTIA Strata   Strata   CompTIA Strata
IT Fundamentals appropriate for high school students

Program(s): Computer Network Mgmt.   11.0901
Networking Year 2   11.1002
Web/Multimedia Management   11.1004

Internet & Computing Core Certifications
Certiport
The Internet and Computing Core Certification (IC3®) provides students and job-seekers with the foundation of knowledge they need to succeed in environments that require the use of computers and the Internet. Other Certiport exams are listed under the credentialing organization.

Internet & Computing Core - Computing Fundamentals   IC3-CF
Hardware, software, operating system

Internet & Computing Core - Key Applications   IC3-KA
Common program functions: word processing, spreadsheet, presentation software

Internet & Computing Core - Living Online   IC3-LO
Networks and the internet, electronic mail, using the internet, the impact of computing and the internet on society

Program(s): Computer Network Mgmt.   11.0901
          Networking Year 2   11.1002
          Web/Multimedia Management   11.1004

WOW, Worldwide Organization of Webmasters
 Worldwide Organization of Webmasters

Web Administrator Apprentice   WOW-A
Certified Web Administrator Apprentice: Web Administrator Apprentices are aware of the fundamental concepts for the hardware and software infrastructure supporting Internet communications. The CWAA-apprentice possesses a basic understanding of servers, routers, security, network management, and systems maintenance.

Web Designer Apprentice   WOW-DA
Certified Web Designer Apprentice: Web Designer Apprentices are familiar with the visual arts and are learning to create images and designs that capture and keep visitors' interest. They present aesthetically enticing designs that meet the requirements and preferences of their audience.

Web Designer Associate   WOW-As
Web Designer Apprentices are familiar with the visual arts and are learning to create images and designs that capture and keep visitors' interest. They present aesthetically enticing designs that meet the requirements and preferences of their audience.

Web Developer Apprentice   WOW-Dv
Certified Web Developer Apprentice: Web Developer Apprentices are familiar with the fundamentals of creating web site structure and interactivity. They are learning to use database tools and custom applications to prepare sites for dynamic presentation of content to the visitor.

Webmaster Apprentice   WOW-M
Certified Apprentice Webmaster: WOW Certified Webmaster apprentices understand the basic breadth of topics that fall under Webmastering. Apprentice Webmasters know about the majority of subjects within the Associate Webmaster criteria, but with less depth into the individual topics.

Program(s): Computer Network Mgmt.   11.0901
        Networking Year 2   11.1002
        Web/Multimedia Management   11.1004

Other
Adobe Certified Associate   ACA-P   (via Certiport) Adobe Systems Incorporated
This certification is a credential that validates entry-level skills needed to plan, design, build, and maintain effective communications by using different forms of digital media. Developed and deployed by Certiport.

Adobe Certified Associate - Photoshop   ACA-P
Visual Communication using Adobe Photoshop CS3 Extended

Program(s): Computer Network Mgmt.   11.0901

VERMONT
AGENCY OF EDUCATION

Law, Public Safety & Security
American Red Cross Certifications
Various levels of certifications and assessments are available for this cluster including:
Blood Borne Pathogens   ARC-BBP
CPR/AED for Professional Rescuer   ARC-CPR/AED-PR
CPR-Child, Infant and Adult   ARC-CPR-CIA
Emergency Response   ARC-ER
First Aid/CPR/AED   ARC-FA/CPR/AED
Program(s): Emergency & Fire Mgmt.   43.0203

FEMA & Emergency Management Institute
The Emergency Management Institute (EMI) offers self-paced courses designed for people who have emergency management responsibilities and the general public. All are offered free-of-charge to those who qualify for enrollment. Assessments are required for all courses and can be completed on-line or submitted through the mail. Many have been pre-approved. Some of the offerings include:
Introduction to Incident Command System (IS-100.b)   EMI100
Intro to ICS for Law Enforcement (IS-100.LEb)   EMI100LE
Decision Making and Problem Solving (IS-241.b)   EMI1241
Hazardous Material Prevention (IS-340)   EMI340
Multi-hazard Emergency Planning for Schools (IS-362.A)   EMI362
National Incident Management System (IS-700) Intro.   EMI700
Program(s): Emergency & Fire Mgmt.   43.0203
          Law Enforcement   43.0107

Approved for Law Enforcement only:
Active Shooter: What You Can Do (IS-907) EMI907
Guardian Accord Workshop (IS-525) EMI525
Protecting Critical Infrastructure Against Insider Threats (IS-915) EMI915
Surveillance Awareness: What You Can Do (IS-914) EMI914
Workplace Violence Training (IS-106.15) EMI106.15

Program(s): Law Enforcement   43.0107

National Registry of Emergency Medical Technicians
First Responder EMT   EMT-FR   NREMT

The computer based cognitive examinations consists of items from six major categories: Airway & Breathing, Cardiology, Medical, Trauma, OB/Gyn/Peds, and Operations. The number of items from each category is determined by an examination test plan (also known as a blueprint) which has been approved by the NREMT Board of Directors.
EMT-Basic   EMT-B

Covers same material as First Responder but more in-depth. Student must be approaching 18 years old to take exam and must be 18 to have the credential.

Program(s): Emergency & Fire Mgmt.   43.0203
          Law Enforcement   43.0107

[Vermont Fire Service Training Council](#)
Firefighter 1   FF1
The Vermont Fire Service Training Council endorsed Firefighter 1 course duration is based on meeting or exceeding the required competencies as specified by the current editions of the National Fire Protection Association standards 1000 and 472. The Firefighter 1 course of instruction is estimated not to exceed 144 hours.
The certification exam consists of a 100-question written test and a 5-station individual job skill practical evaluation.

Program(s): Emergency & Fire Mgmt.   43.0203

Hazardous Materials Awareness   HAZMAT-A
The Vermont Fire Service Training Council offers an 8 hour Hazardous Materials course – an understanding of hazardous substances and the risks associated with them in an emergency. This course with a written assessment is part of the Firefighter I curriculum.

Program(s): Emergency & Fire Mgmt.   43.0203
          Law Enforcement   43.0107

Hazardous Materials Operations   HAZMAT-O
The Vermont Fire Service Training Council offers a Hazardous Materials course for personnel who respond to releases or potential releases of hazardous materials.
Program(s): Emergency & Fire Mgmt.   43.0203

Wildlands Fire Training   Wild
This course is part of the Firefighter I curriculum

Program(s): Emergency & Fire Mgmt.   43.0203

Other Certifications
APCO Institute Telecommunicator
Association of Public-Safety Communications Officials International   [APCOT](#)
Dispatcher training

Program(s): Emergency & Fire Mgmt.   43.0203

Conover Workplace Readiness   CWR   [Conover Company](#)

Pass all three assessments for Job Readiness, Job Seeking, and Job Keeping

Program(s): Emergency & Fire Mgmt.   43.0203
        Law Enforcement   43.0107

Management of Aggressive Behaviors   MOAB   MOAB Training International

Program(s): Law Enforcement   43.0107

Occupational Safety and Health Administration 10-hr   OSHA-10
Occupational Safety and Health Administration
10-hour OSHA training is available from various sources. Source must be endorsed by the U. S. Occupational Safety and Health Administration.

Program(s):   Legal Services 22.0001
        Emergency & Fire Mgmt.   43.0203

Manufacturing
American Welding Society Certificates [American Welding Society](#)
Other certificates not listed below include: Pipe & Stick
American Welding Society-Gas   AWS-G
American Welding Society -QC-10   AWS-QC
American Welding Society -Structural Steel   AWS-SS
American Welding Society -TIG   AWS-TIG
Program(s): Industrial Maintenance 47.0105
        Welding/Metal Fabrication   48.0508

Manufacturing Building Linkages
Local Workforce Investment Board   no website
The Manufacturing Building Linkages assessments were piloted in Bennington County in 2000. Assessments include:
Manufacturing Building Linkages-Design for Production   MBLS -DP
Manufacturing Building Linkages-Est. Cust. Needs   MBLS-ECN
Manufacturing Building Linkages-Manufacturability   MBLS-M
Manufacturing Building Linkages-Process Opt.   MBLS-PO
Program(s): Precision Machining Technology   48.0503

Other Certifications
Certified Fiber Optic Technician   CFOT   [Fiber Optic Association](#)
The Fiber Optic Association (FOA) was founded to approve schools offering training and offer technician certifications as a service to the fiber optic industry. The basic level, CFOT, tests for the applicant's level of knowledge of fiber optics in a broad-based exam that covers technology, components, installation and testing.

Program(s): Electrical Engineering Tech.   15.0303

Certified SolidWorks Associate   CSWA   **Dessault Systemes**   [SolidWorks Corp.](#)
3-D Mechanical CAD exam is an on-line written exam that is timed to be a three-hour assessment. Students must earn a minimum of 70% for certification.

Program(s): Precision Machining Technology   48.0503
        Manufacturing Engineering Technology   15.0613

Conover Workplace Readiness   CWR   [Conover Company](#)
Pass all three assessments for Job Readiness, Job Seeking, and Job Keeping

Program(s): Electrical Engineering Tech.   15.0303

Mobile Electronics Certified Professional   MECP-B [MECP-B Exams](#)
Basic level

Program(s): Electrical Engineering Tech.   15.0303

S/P2 Mechanical Repair Safety   S/P2-MR
[Coordinating Committee for Automotive Repair](#)
 OSHA and EPA training

Program(s): Industrial Mechanics   47.0303

Occupational Safety and Health Administration 10-hr   *OSHA-10*
[Occupational Safety and Health Administration](#)
10-hour OSHA training is available from various sources. Source must be endorsed by the U. S. Occupational Safety and Health Administration.

Program(s): Electrical Engineering Tech.   15.0303
        Industrial Maintenance   47.0105
        Industrial Mechanics 47.0303
        Precision Machining Technology   48.0503
        Manufacturing Engineering Technology   15.0613
        Welding/Metal Fabrication   48.0508

Siemens Certified Mechatronic Systems Assistant   SCMS-A [SCMS-A Certifications](#)
Program(s): Mechatronics   14.4201

Machining Level 1   NIMS-M1   [National Institute for Metalworking Skills](#)

Program(s): Precision Machining Technology   48.0503

Woodwork Career Alliance Basic Certification   WCA-Basic
[Woodwork Career Alliance of North America](#)
Beyond the "Basic" there is a series of woodworking credentials

Program(s): Precision Machining Technology   48.0503

Marketing, Sales & Service
(See also Business cluster certifications, page 10-11)
National Retail Foundation Certifications   National Retail Foundation
Customer Service Certificate   CSC
The Customer Service Certification is based on the national skill standards for Customer Service. It assesses essential customer service knowledge and skills that enhance interaction with customers to provide information in response to inquiries about products and services as well as ability to handle and resolve customer complaints.

Program(s): Marketing   52.1401

Other Certifications
DECA School Based Enterprise Individual Certification   DECA SBE
Distributive Education Clubs of America
The SBE Individual Certification Exam tests student competency in the following instructional areas:
Financial Analysis, Operations, Marketing-Information Management, Market Planning, Product/Service Management, Pricing, Distribution, Promotion, Selling, Human Resources Management
Program(s): Marketing   52.1401

Science, Technology, Engineering & Math [Certiport](#)
Autodesk
Exams given by Certiport
AutoCAD
Revit Certified User Revit U

Program(s): Engineering Technician 15.0000
         Engineering Yr 2   14.0101
         Engineering Design   15.1502

CompTIA, Computer Technology Industry Association Certifications
[Computer Technology Industry Association](#)
CompTIA certifications are credentials achieved through a testing process, to validate knowledge within a specific IT support function. All CompTIA exams are developed by subject matter experts, and the certifications are recognized throughout the industry as the standard for proving foundation-level skill sets. In addition to A+, CompTIA offers other IT related certifications.
CompTIA A+ A+ [*CompTIA*](#)
For entry-level IT technicians, the CompTIA A+ exam covers preventative maintenance, basic networking, installation, troubleshooting, communication and professionalism.

Program(s): Engineering Technician 15.0000
         Engineering Yr 2   14.0101

Manufacturing Building Linkages
         Local Workforce Investment Board   no website
The Manufacturing Building Linkages assessments were piloted in Bennington County in 2000. In addition to the MBLS-DP below, other assessments include: Establishing Customer Needs, Manufacturability and Process Optimization
Manufacturing Building Linkages-Design for Production   MBLS-DP

Program(s): Engineering Technician 15.0000

Other Certifications

Certified SolidWorks Associate   CSWA **Dessault Systemes** [SolidWorks Corp.](#)
3-D Mechanical CAD exam is an on-line written exam that is timed to be a three-hour assessment. Students must earn a minimum of 70% for certification.

Program(s): Engineering Technician 15.0000
         Engineering Yr 2   14.0101

Conover Workplace Readiness   CWR   [Conover Company](#)
Pass all three assessments for Job Readiness, Job Seeking, and Job Keeping

Program(s): Engineering Technician 15.0000

Occupational Safety and Health Administration 10-hr   OSHA-10
[Occupational Safety and Health Administration](#)
10-hour OSHA training is available from various sources. Source must be endorsed by the U. S. Occupational Safety and Health Administration.

Program(s): Engineering Technician 15.0000

Transportation, Distribution & Logistics
ASE, Automotive Service Excellence (formerly NATEF)
[ASE Student Certification](#)
Automotive:
- *ASE Certification Brakes   ASE-B*
- *ASE Certification Suspension & Steering   ASE-SS*
- *ASE Certification Electrical/Electronic Systems   ASE-E*
- *ASE Certification Engine Performance   ASE–EP*
- *ASE Certification Engine Repair   ASE–ER*
- *ASE Certification Automatic Transmission/Transaxle   ASE–ATT*
- *ASE Manual Drive Train and Axles   ASE–MDTA*
- *ASE Certification Heating and Air Conditioning   ASE–HAC*
- *ASE Maintenance & Light Repair   ASE-MLR*
- *ASE Certification Automobile Service Technology   ASE–ASE*

Program(s): Automotive Technology 47.0604
      Automotive Apprenticeship Yr 2   47.0612

Collision Repair and Refinish
- *ASE Certification Painting and Refinishing   ASE-PR*
- *ASE Certification Structural Analysis and Damage Repair   ASE-SADR*
- *ASE Certification Non-structural Analysis and Damage Repair   ASE-NSADR*
- *ASE Certification Mechanical and Electrical   ASE–ME*

Program(s): Auto Body Repair   47.0603

Medium/Heavy Truck:
- *ASE Certification Diesel Engines   ASE-TD*
- *ASE Certification Brakes   ASE -TB*
- *ASE Certification Steering & Suspension ASE -TSS*
- *ASE Certification Electrical/Electronic Systems   ASE -TE*
- **Program(s):** Diesel/Truck Mechanic   47.0605

S/P2, Coordinating Committee for Automotive Repair
 [S/P2 School](#) and [S/P2 Business](#)
Covers OSHA and EPA issues.
S/P2 Collision Repair Safety   S/P2-C
Program(s): Auto Body Repair   47.0603

S/P2 Mechanical Repair Safety   S/P2-MR

Program(s): Automotive Technology 47.0604
      Automotive Apprenticeship Yr 2   47.0612

S/P2 Supervisors Safety   S/P2-S

Program(s): Automotive Technology 47.0604
       Automotive Apprenticeship Yr 2   47.0612

Vermont Department of Motor Vehicles
Commercial Drivers License   CDL   VT DMV CDL Licenses
The CDL license is required for driving certain kinds of commercial vehicles. Skill and vision testing is a required part of the process to gain this license.

Program(s): Diesel/Truck Mechanic   47.0605

Vermont State Inspection Cert.   VSIC
http://dmv.vermont.gov/search/node/Inspection%20Station%20and%20Mechanic%20Certification
Students can gain certification for administering VT State inspection services by successfully completing an examination based on the official State Inspection Manual for each type of vehicle to be inspected.

Program(s): Automotive Apprenticeship Yr 2   47.0612
       Automotive Technology   47.0604

Other Certifications
10 Stud Hub & Stud Piloted Wheel-End Inst. Cert.   WW 10 Hub   Webb Wheel
Students watch 3 videos, ten-question exam

Program(s): Diesel/Truck Mechanic   47.0605

American Welding Society -TIG   AWS-TIG American Welding Society or Skilltech.org for CTE, Essex
12 week, 48 hour course on GTAW TIG welding

Program(s): Automotive Apprenticeship Yr 2   47.0612
       Automotive Technology   47.0604

Certified Lube Technician   AOCA-CLT   American Oil Change Association
Customer service, safety, products and services, roles and responsibilities of the hood technician, courtesy technician and greeter/service writer.

Program(s): Automotive Apprenticeship Yr 2   47.0612
       Automotive Technology   47.0604

Conmet Hub Training 2.0   Conmet U   [Consolidated Metco Inc.](#)
Videos & test

Program(s): Diesel/Truck Mechanic   47.0605

Equipment & Engine Service   EETC   [Equipment & Engine Training Council](#)
EETC (formerly OPEESA) administers the training and certification.

Program(s): Small Engine Mechanics 47.0606

FAA General Assessment   FAA-GA   [Federal Aviation Administration](#)

Program(s): Aviation Technology   47.0607

General Service Technician   GST   [Vermont Automobile Dealers Association](#)
Vermont Automobile Dealers Association (VADA) with the Vermont Agency of Education
developed a certification process for students enrolled in the General Services Technician
Automotive program. The written assessments are designed in similar format to the ASE
certification.

Program(s): Automotive Apprenticeship Yr 2   47.0612
        Automotive Technology   47.0604

Leadership in Energy & Environmental Design Associate   LEED-A   **Unites States Green**
[Building Council](#)

Program(s): Small Engine Mechanics 47.0606

Lifting It Right LIR   [Automotive Lift Institute](#)

Program(s): Automotive Technology 47.0604
        Automotive Apprenticeship Yr 2   47.0612

Occupational Safety and Health Administration 10-hr   OSHA-10
[Occupational Safety and Health Administration](#)
10-hour OSHA training is available from various sources. Source must be endorsed by the U. S.
Occupational Safety and Health Administration.

Program(s): Auto Body Repair   47.0603
        Automotive Technology   47.0604
        Automotive Apprenticeship Yr 2   47.0612
        Aviation Technology 47.0607

Diesel/Truck Mechanic　　　　47.0605

Tire Service Training & Certification　TST&C　　　　[Tire Industry Association](#)

Program(s): Automotive Apprenticeship Yr 2　　　　47.0612
　　　　Automotive Technology　　47.0604
Valvolene Certified Technician　　　*VCT*　　[Valvolene](#)
Servicing oil filters, air filters, grease fittings, lights and wipers, as well as changing oil, other fluids and rotating tires.

Program(s): Automotive Apprenticeship Yr 2　　　　47.0612
　　　　Automotive Technology　　　47.0604

Appendix - About Industry Recognized Credentials
Introduction
Career cluster/pathway **certifications** are instruments to assess, demonstrate and confirm the mastery of specific knowledge and skills. Certifications publicly recognize an individual's attainment of knowledge and skills necessary for occupations within a career cluster and pathway. Ideally, certifications provide independent verification of a student's expertise and industry endorsed achievement of appropriate levels of proficiency.

Professional associations have their own method for assessing and providing certifications. When an industry certification addresses a portion of the competencies of a program of study <u>and</u> appears to be a valid and reliable indicator of student skill and knowledge attainment, the VT Agency of Education will consider it for providing compliance of Perkins IV requirements[1].

How to Select an IRC
Appropriate selection of industry recognized certifications are an important step in the development of a program of study. Consideration should be given to:
- scope of the certification in regards to program standards
- the value of the certification within a career cluster and pathway,
- feasibility factors, and
- the assessment instruments for measuring attainment of knowledge and skills

<u>Scope</u>: The scope of an industry certification will vary depending on the provider and the field of certification as well as the assessment utilized within the certification process. Selection of a certification for a program of study should consider the <u>depth</u> and <u>breadth</u> of the certification in relation to the program and the aligned competencies/standards. The available instructional time and resulting benefit to the student and employer/postsecondary stakeholders will be factors to weigh in the selection. If one certification does not exist to appropriately measure a substantive portion of the program competencies, "packaging" of multiple smaller certifications into a broadly accepted industry valued certificate may be feasible.[2]

<u>Value:</u> Selection of a respected and valued certification sponsor with an appropriate geographic influence (regional, State, international) will add value to the process for students and employers. Prior to the selection of certifications, it is advisable to consult with local business and industry partners to determine which certifications would be most valued. Additionally, partnership with postsecondary partners may add significant value for those students wishing to pursue education beyond the high school level. Some certifications can be recognized for college credit, advanced standing and/or early admission considerations.

<u>Feasibility</u>: Factors such as costs, membership criteria, instructor certification, assessment requirements and curriculum modifications will, in many cases, be crucial in the final selection of the certification.

<u>Assessment Instruments:</u> The assessment within the certification process is required of all Vermont Agency of Education industry certifications. The assessment of the attained knowledge and skills should be designed in a reliable and valid manner by a 3rd party professional organization and aligned with industry accepted standards.

---

[1] Indicator VTS3 measures the percentage of concentrators who earn an industry recognized credential within the school year.

[2] Although several 10-Hour OSHA safety training credentials have been approved (Career Safe, Project Worksafe etc.), the scope of 10-hour OSHA safety training is limited and just barely meets state criteria.

Agency of Education approved industry recognized certificates are particularly credible and valuable when they have the following characteristics:

1. Designed by 3rd party professionals within the career field, ideally a potential employer group;
2. Substantial portion of academic, workplace and technical standards of the program of study are being assessed;
3. The assessment addresses both knowledge and skill, e.g., written and performance;
4. Publicly valued by career field and/or postsecondary institutions, registered apprenticeship, military, and/or employers. Certification holders should receive preference over non-certification holders.

The Approval Process

Once you have selected a credential, check to see if it has been approved. All IRCs in this document have been approved if they are listed under the cluster headings. Check the **Index** for page numbers appropriate to your program.

If you think an IRC listed in this document may is appropriate for your program but you do not see your program included in the listing, please have you database coordinator contact Suzanne.arrand@vermont.gov.

Any IRC <u>not listed</u> in this document <u>must be approved</u> by the State Director of Career Technical Education. Requests for approval are submitted electronically by clicking the link below:

IRC REQUEST FORM
Email submission
The deadline for submission of requests for the current school year is:
MAY 30.
We strive to notify you within 30 calendar days of the date of the request.
Please direct questions to: Jay Ramsey, Jay.Ramsey@vermont.gov.

VERMONT
AGENCY OF EDUCATION

VERMONT
AGENCY OF EDUCATION