

Automotive Technology



Year 1

Automotive Technology is a nationally certified automotive technician training program through NATIF. This is a two-year theory and hands-on program. Year one of the program is designed to give the student insight and training in the auto mechanics field in the following areas: careers in the auto industry, shop safety, hand tools, power tools, automotive shop equipment, introduction to automotive systems, preventive maintenance, wheels and tires, steering and suspension systems, alignment and brake systems. Year two of the program is designed to give the student skills in the following areas: shop safety, Vermont State Inspection Program, starting and charging systems, emission control systems, fuel systems, electrical circuits, computer systems, airbags, and antilock brakes.

For students in grades: 11-12

Credits: Three credits per year

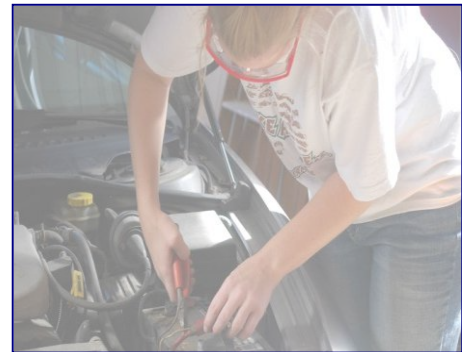
Graduation Requirements:

Science- Completing both AUTO TECH 1 and 2, will fulfill one science credit requirement.

Prerequisite: A 9th grade reading level and above a 70 in college prep math and Instructor permission

College Connections: Students may participate in the Fast Forward Dual Enrollment program through VTC. They can complete up to 2 college courses (6 credits) through this program. See page 10 for more details.

Year one of the program is designed to give the student insight and training in the auto mechanics field in the following areas: careers in the auto industry, shop safety, hand tools, power tools, automotive shop equipment, introduction to automotive systems, preventive maintenance, wheels and tires, steering and suspension systems, alignment and brake systems.



Year 2

Year two of the program is designed to give the student skills in the following areas: shop safety, Vermont State Inspection Program, starting and charging systems, emission control systems, fuel systems, electrical circuits, computer systems, airbags and antilock brakes.

Automotive Technology

Automotive Maintenance Introductory Course

This one semester program is designed to provide the student with an awareness of automotive systems and skills in the basic maintenance of vehicles.

For students in grades: 9-10

Scheduling: One semester, 60 minutes

Credits: $\frac{3}{4}$ credits

Automotive Maintenance Students Study:

Automotive Business & Careers

Safety

Automotive Tools & Equipment

Measuring Devices & Precision

Measurements

Introduction to Automotive Systems &

Engine Operations

Drivelines, Suspension & Steering, and

Brakes

Small Engines



Did you know that Automotive Technology at the CDC is a Nationally Certified Automotive Technical Program?



- Automotive Service Technician Certification
- Vermont Safety Inspection Certification
- Tire Industry Association Certification
- Automotive Oil Change Association Certification
- Vermont State Auto Dealers' Association Certification



SkillsUSA.

The main goal of SkillsUSA is to provide students who are preparing for a wide variety of careers in trade, technical and skilled service occupations, with professional development opportunities that supplement their academic and technical education. SkillsUSA programs and activities help its 285,000 student members develop public speaking skills, and improve their ability to conduct and participate in meetings, manage financial matters, solve problems, and assume responsibility for community service. Students participate in state leadership conferences and competitions. Each June, students earning first place at the state level in leadership and technical skill competitions, travel to Kansas City, MO, to compete at the national conference.

Southwest Vermont Career Development Center Schedule FY 2012

SEMESTER ONE					
Block 1 (90 min)	Block 2a	Lunch	Prep	Block 3b	Block 4 (90 min)
7:50-9:20	9:25-10:20	Prep	Lunch	11:35-12:30	12:35-2:05
Accounting & Finance 1 & 2	Marketing 2			Business Basics	Marketing 1
Business Mgt 1 & 2				Culinary Arts Intro	
Culinary Arts 1				Culinary Arts Intro	Culinary Arts 1
Engineering & Design 2				Computer Aided Design	Engineering & Design 1
Design & Fabrication 2				Creative Computing	Design & Fabrication 1
Computer / Networking Academy 1 & 2				Architecture & Construction Auto Maintenance	Artificial Intelligence 1 & 2
Building Trades 2					Building Trades 1
Auto Technology 2					Auto Technology 1
Forestry & Heavy Equipment 2					Forestry & Heavy Equipment 1
Water & Your Environment				Plants & Flowers	AgroEcology 1 & 2
Video Productions 1	Video Productions 2			Stagecraft	Theater Arts 1 & 2
					Communications Tech 1 & 2
Law Enforcement 1	Intro to Print Publishing: Yr Bk				Law Enforcement 2
Pre-Law 1 & 2				Forensic Investigations	Business & Personal Law
Cosmetology 1				Cosmet. Intro.	
Cosmetology 2					
Human Services 2				Emergency Medicine Intro.	Human Services 1
Medical Professions 2					Medical Professions 1

SEMESTER TWO					
Block 1 (90 min)	Block 2a	Lunch	Prep	Block 3b	Block 4 (90 min)
7:50-9:20	9:25-10:20	Prep	Lunch	11:35-12:30	12:35-2:05
Accounting & Finance 1 & 2	Business Basics				
Marketing 2				Marketing 1	
Business Mgt. 1&2					
Culinary Arts 1	Culinary Arts Intro				Culinary Arts 1
Engineering & Design 2	Computer Aided Design				Engineering & Design 1
Design & Fabrication 2					Design & Fabrication 1
Computer/Networking Academy 1&2	Creative Computing				
					Artificial Intelligence 1 & 2
Building Trades 2					Building Trades 1
Auto Technology 2					Auto Technology 1
Forestry & Heavy Equipment 2					Forestry & Heavy Equipment 1
Agri Science	Plants & Flowers				AgroEcology 1 & 2
Video Productions 1 & 2					
				Theater Arts 1 & 2	
					Communications Tech 1 & 2
Law Enforcement 1	Forensic Investigations				Law Enforcement 2
Pre-Law 1 & 2					Forensic Investigations Adv.
Cosmetology 1				Cosmet. Intro.	
Cosmetology 2					
Human Services 2					Human Services 1
Medical Professions 2	Mental Illness Intro.				Medical Professions 1



Application 2011/2012

LAST NAME: _____ FIRST NAME: _____
 Mailing Address: _____
 Town: _____ State: VT/NY/MA Zip: _____
 Home Phone: _____ Cell Phone: _____
 E-mail: _____

Today's Date: _____
 Date of Birth: _____
 Gender: Male Female
 Current Year in School:
 8th 9th 10th 11th 12th
 Current CDC students put your
 Tech Program's initials here: _____

School Counselor(s) / Contact Person(s)

Arlington Memorial High School Joanna Lederer-Barnes

 Other Advocate: _____
Burr & Burton Academy Phil Anton Maria Bittinger
 Stephanie Fowler Andrea Hogan Melissa Michaud Cristin Rose

 Other Advocate: _____
Mt. Anthony Union High School
 Tonia Bucciero Eric Caron Lisa Harrington-Redding
 Meg Honsinger Dan Lucy Coleen Macksey Nancy Vanderbilt

 Other Advocate: _____
Twin Valley High School Denise Piffard

 Other Advocate: _____
 Other School: _____
 Contact Person: _____ Phone: _____

Tech Programs [Full Year]

(The embedded graduation requirements are listed in parentheses- see Program of Studies for complete information)

- ➔ Mark **2nd & 3rd choices** also in case your **1st** is full.
- Accounting & Finance(cc) (Math, MAU-Tech)
 - Agroecology (Science)
 - Artificial Intelligence(cc) (Math, Sci. & MAU-Tech.)
 - Auto Technology(cc) (Science)
 - Business Management (Math, MAU-Tech)
 - Building Trades (Math)
 - Computer Networking Academy(cc) (Science.)
 - Cosmetology (Science)
 - Culinary Arts (Science)
 - Design & Fabrication (Math, MAU-Tech)
 - Engineering & Design(cc) (Art, MAU-Tech Math, Sci.)
 - Forestry & Heavy Equipment(cc) (Science)
 - Human Services(cc) (Social Studies)
 - Law Enforcement(cc) (1 Yr only) (Social Studies)
 - Marketing Education (Math)
 - Medical Professions(cc) (Science)
 - Networking Academy(cc) (Math, Sci. MAU-Tech)
 - Pre-Law(cc) (Social Studies)
 - Theater Arts (Art, English)
 - Video Production(cc) (MAU-Tech)
- Co-op (2nd year students only)

(cc) = College Credit option available. See page 11 of Course Catalogue or www.svcdc.org

Foundation Courses

Short Block (*50 or #60 minutes, 1 Sem.)

- SB Architecture & Construction*
- SB Automotive Maintenance#
- SB Business Basics*
- SB CAD Design & Fabrication#
- SB 3D/CAD*
- SB Creative Computing*
- SB Forensic Investigation#
- SB Plants & Flowers*
- SB Emergency Medical Intro.*
- SB Mental Illness Intro.to*

Long Block (90 Minutes, 1 Semester)

- AgriScience (AgriBio)
- Business & Personal Law
- Business Ownership
- Forensic Investigations Advanced
- Water & Your Environment

Partial Technical Programs

(90 or 150 minutes, 1 Semester)

- Accounting & Finance 1a (90 minutes)
- Accounting & Finance 1b (90 minutes)
- Pre-Law 1a (Semester 1) by teacher permission only.
- Pre-Law 1b (Semester 2) by teacher permission only.
- Theater Arts 1a (Semester 1 only, 90 minutes)
- Theater Arts 1b (Semester 2 only, 150 minutes)

Academic Courses

(One Credit, 90 Minutes, One Semester)

- Tech English I (11-12th grade- Must be in a Tech program)
- Tech English II (12th grade- Must be in a Tech program)

NON DISCRIMINATION STATEMENT:
 The Southwest Vermont Career Development Center is committed to maintaining a learning environment free from discrimination on the basis of race, color, national origin, religion, sex, disability, or sexual orientation. Rev. 12/8/2006 & 2010