

# Forestry & Heavy Equipment

Is Forestry and Heavy Equipment  
right for you?

Do you like to work outdoors?

Would you like to learn how to operate heavy  
equipment and big trucks?

Do you want to be part of a team working on  
projects in the community?

If you answered YES to any of these questions  
then the Forestry and Heavy Equipment  
Program is RIGHT for you!

Some careers in Forestry &  
Heavy Equipment include:

Arborist  
Forest Products Entrepreneur  
Construction  
Excavator  
Road builder & landscaper  
Logger  
Surveyor  
Truck Driver  
Heavy Equipment Operator



## Working within the Community

Jump Start your career in the  
field of Forestry & Heavy  
Equipment today!

Forestry Students Study:

Safety with tools, equipment, &  
chemicals  
Hand & Power Tools, and Heavy  
Equipment Operation and Maintenance  
Surveying & Mapping  
Construction Site Layout & Blueprints  
Tree Identification  
Tree Physiology  
Forest Development & Management  
Land, Soil & Water Conservation  
Welding  
Chainsaw Operation & Maintenance  
w/Game of Logging safety  
certification  
Leadership through FFA  
Urban Forestry  
Employability Skills



## Agriculture Education

FFA - Agriculture Education [Agro  
ecology/Forestry/AgriScience]

The National FFA Association is dedicated to making a positive difference in the lives of students by developing their potential for premier leadership, personal growth and career success through agricultural education. FFA is an integral, intracurricular part of the agricultural education program, providing leadership training to supplement classroom education and hands-on career exploration. FFA programs and activities help members develop public speaking skills, conduct and participate in meetings, manage financial matters, strengthen problem solving abilities and assume civic responsibilities. Nearly 450,000 members participate on local, state and national levels in approximately 7,275 chapters.

# Forestry & Heavy Equipment

This two-year program introduces the student to forestry science and safe operation of chainsaws and heavy equipment. The first year students learn safe operation and maintenance of the Program's chainsaws, backhoe/loader, bulldozer, tractor and dump truck. Forestry skills students will learn: identification of trees and forest pests, tree and lumber scaling, surveying, forest management, soil, water and wildlife conservation. The second year builds on the skills and knowledge the students gain in the first year. These skills and knowledge will be used in community and class projects. These projects will focus on the development of students' planning, supervision and teamwork skills. Second year students will be introduced to forest management & planning, arboriculture, basic welding, Commercial Drivers License (CDL), training, and timber harvesting.



For students in grades: 11-12

## Industry Recognized Certifications:

- Associated Contractors of America
- Soren Eriksson Game of Logging Chainsaw Safety Training *Level 1-4 Certificates*
- OSHA 10 hour safety training
- Commercial Drivers License *(when appropriate)*

**Credits:** Three elective credits per year

**Graduation Requirements:**  
**Science-** Completing both FORESTRY 1 and 2, will fulfill one science credit requirements.

**Prerequisite:** Above a 70 in 10<sup>th</sup> grade math and science and Instructor permission

**Post Program Education:** Forestry graduates have enrolled in University of Alaska, Castleton State College (VT), University of Vermont, Paul Smith's College



## Post Program Employment:

Forestry graduates have been employed by

Vt. Roofing	Monick Tree Service
J.A. Bradley	Scott Smith Trucking
Yankee Plant	Hallbrother Surveyor
Vt. Container	J.C. Mann
J. C. Jerome	R.K. Miles
Greater Heights	Town of Bennington
Done Right Lawn	Garden
self employment	

# 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				Computer Aided Design	Culinary Arts 1	
Engineering & Design 2				Creative Computing	Engineering & Design 1	
Design & Fabrication 2				Architecture & Construction Auto Maintenance	Design & Fabrication 1	
Computer / Networking Academy 1 & 2					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					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:  
 8<sup>th</sup>  9<sup>th</sup>  10<sup>th</sup>  11<sup>th</sup>  12<sup>th</sup>  
 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](http://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