



Natural Resources Management

2-Year Program

Mineville Campus

Jump start your career and learn environmental studies, forestry and general heavy construction in the outdoors. This program's foundation is built upon the philosophy of "active learning", hands-on instruction. Learning through experience helps develop both the skills to perform work properly and sensitivity to the environment in which the students work. All work projects are community related and students are involved in the planning from start to finish. This diverse instruction will develop the skills needed to become successful in a wide variety of environmental technologies and construction.



Program Highlights

- Heavy Equipment
- Operation & Maintenance
 - Backhoe
 - Bulldozer
 - Excavator
- Specialized Tree Operations
- Turf Management
- Construction Surveying –Traditional and Laser
- Computer Aided Instruction
- Welding
 - OAW
 - SMAW
 - MIG
 - TIG
 - Plasma Arc Cutting

Career Connections

- Forester
- Surveyor
- Landscape Architect
- Environmental Engineer
- Welder
- Environmental Technician
- Forest Technician
- Materials Technician
- Heavy Equipment Operator

Articulation Agreements

- Clinton Community College
- Paul Smith's College

Certifications

- Level I Game Logging
- First Aid/CPR
- OSHA-10: Construction
- NWRC/21st Century Skills

Course of Study

Heavy Equipment

Operation

- Excavating
- Grading
- Backfilling
- Trenching to grade
- Stockpiling
- Lubrication and service
- Preventive maintenance
- Slot dozing

Forest Technician

- Timber cruising
- Timber cutting
- Tree identification
- Silviculture Practices
- Map & compass

Landscape Technician

- Lawn construction
- Tree and Shrub Planting
- Landscape maintenance
- Landscape construction
- Cost estimates

Maple Syrup Production

- Tree tapping
- Bush management
- Evaporator operation
- Canning/Grading

Surveying

- Establishing Contours
- Building sit layout
- Setting grade stakes/off set method
- Setting grade stakes/effluent and water lines
- Horizontal taping
- Profile surveying
- Differential surveying

Welding Apprentice

- OAW
- Cutting
- SMAW
- MIG
- TIG

Chainsaw Operation

- Basic field maintenance
- Shop maintenance and repair
- Tree felling/bore cut
- Limbing
- Bucking
- Spring pole safety cut
- Hand sharpening chain

