

# ENVIRONMENTAL CONSERVATION & FORESTRY

**A two-year program that aligns with the Society of American Foresters Programs in Forest Technology standards and procedures**

- The program emphasizes forest ecology and silviculture, forest management, woods safety, forest land usage, forest protection, fish and wildlife management, forest recreation, trends in urban forestry, and current and emerging environmental conservation issues.
- Students spend over 75% of their time outdoors in "land labs." These labs enable students to participate in approved projects that put theory into practice. There are a number of different types of land labs from entrepreneurial endeavors to community service projects.
- Curriculum includes commencement level math and English language arts.

## Curriculum includes:

- |                                    |  |
|------------------------------------|--|
| • Land/forest management practices | • Reforestation techniques               |
| • Tree identification              | • Orienteering                           |
| • Wildlife identification          | • Soil conservation                      |
| • Tree scaling                     | • Stream bank repair                     |
| • Lumber grading                   | • Equipment safety and operation         |
| • Timber harvesting                | • Utilization/forest products production |

## Certifications & Endorsements

- New York Trained Logger Certification
- First Aid/CPR/AED
- Commercial Driver's License (CDL-B)

## Students completing the program successfully qualify to work as:

- Entry-level position in forestry/logging industry
- Heavy equipment operator
- Commercial truck driver

## Employment opportunities requiring further education:

- |                                    |                                |
|------------------------------------|--------------------------------|
| • Agricultural and Food Scientists | • Environmental Analyst        |
| • Conservation Scientist           | • Engineering Geologist        |
| • Forester                         | • Environmental Chemist        |
| • Forest Ranger                    | • Environmental Engineer       |
| • Research Scientist               | • Mineral Resources Specialist |
| • Biologist                        | • Mined Land Specialist        |



CAREER AND TECHNICAL EDUCATION

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