

Programs By Career Cluster:

Transportation

Automotive Technology **D** **C**

Learn to maintain, diagnose, and repair passenger vehicles. Identify mechanical and electronic/computer issues that affect vehicle performance and safety. Utilize computer based diagnostic equipment as a source of vehicle analysis.



Possible Career Paths:

- *With a 2-year CTE program:* Automotive Technician, demand flat
- *An associate's degree or postsecondary:* Diesel Engine Specialist, increased demand 9.1%*
- *A bachelor's degree:* Mechanical Engineer, increased demand 4.6%*

Auto Body and Collision Repair Technology **C**

Learn the fundamentals of repairing and refinishing damaged vehicles. Perform and practice metal straightening, MIG-welding, plastic fillers, plastic repair, major collision repair, hardware repair, service, detailing, and refinishing.



Possible Career Paths:

- *With a 2-year CTE program:* Auto Body Repairer, increased demand 3.9%*
- *An associate's degree or postsecondary:* Auto Estimator, increased demand 6.3%*
- *A bachelor's degree:* Transportation Manager, increased demand 10.5%*

Heavy Equipment Operation and Maintenance **C**

Learn the skills required by heavy equipment operators for light construction, landscaping, and highway industries. Safely operate, maintain, diagnose, and repair construction-related equipment.



Possible Career Paths:

- *With a 2-year CTE program:* Equipment Operator, increased demand 9.7%*
- *An associate's degree or postsecondary:* Farm Equipment Mechanic, increased demand 4.8%*
- *A bachelor's degree:* Health and Safety Engineer, increased demand 12.5%*

Outdoor Powersports Technology **C**

Learn how to maintain, improve, diagnose/troubleshoot, and repair two- and four-stroke powered machines. The theory behind carburetion, fuel injection, direct injection, ignition, electrical, cooling, two and four stroke engines, and drive systems are covered.



Possible Career Paths:

- *With a 2-year CTE program:* Powersports Technician, increased demand 7.1%*
- *An associate's degree or postsecondary:* Motorboat Mechanic, increased demand 5.3%*
- *A bachelor's degree:* Mechanical Engineer, increased demand 4.6%*

KEY

D Dual Enrollment

C Industry Credentials (or credentialing/ licensing preparation)

* Projected New York State Finger Lakes Region growth for 2018-2028, New York State Department of Labor

Programs & Career Cluster Alignment

Our programs correlate to one or more US Dept. of Education Career Clusters

<u>Program</u>	<u>Correlated Career Clusters</u>	<u>Program</u>	<u>Correlated Career Clusters</u>
Auto Body and Collision Repair Technology	Transportation, Distribution & Logistics Science, Technology, Engineering & Mathematics	Digital and Visual Communication	Arts, A/V Technology & Communications
Automotive Technology	Transportation, Distribution & Logistics Agriculture, Food & Natural Resources	Engineering and Metal Fabrication - Machining	Manufacturing Transportation, Distribution & Logistics
Baking	Hospitality & Tourism Human Services	Engineering and Metal Fabrication - Welding	Manufacturing Transportation, Distribution & Logistics
Carpentry	Architecture & Construction Science, Technology, Engineering & Mathematics	Exercise Science	Human Services Health Science
Child and Family Development	Education & Training Human Services	HVAC/Plumbing	Architecture & Construction
Computer Technology	Information Technology Science, Technology, Engineering & Mathematics	Heavy Equipment Operation and Maintenance	Transportation, Distribution & Logistics Agriculture, Food & Natural Resources
Cosmetology	Human Services Marketing	Medical Laboratory Assisting and Phlebotomy	Health Science Agriculture, Food & Natural Resources
Criminal Justice	Law, Public Safety, Corrections & Security Government & Public Administration	Nurse Assisting and Associated Health Careers	Health Science
Culinary Arts	Hospitality & Tourism Human Services	Outdoor Powersports Technology	Transportation, Distribution & Logistics
Dental Assisting	Health Science	Residential and Commercial Electrical	Architecture & Construction Science, Technology, Engineering & Mathematics
		New Visions Health Professions	Health Science

For details on Career Clusters, visit the U. S. Department of Education website or Advance CTE (careertech.org)