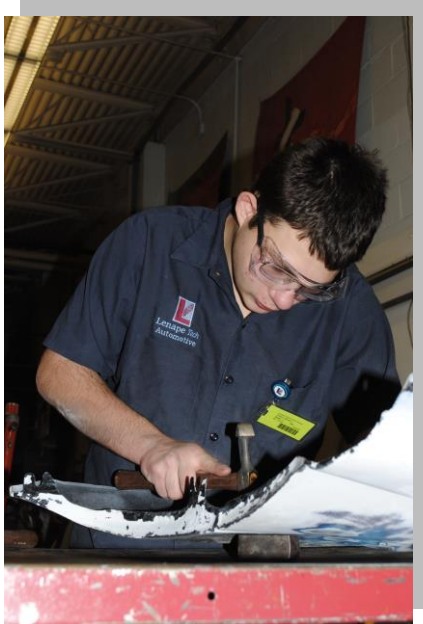


Collision Repair Technology



Recommendations for Success:

- Focus on detail
- Able to follow written and oral directions
- Tolerate noise in enclosed conditions
- Stand for long periods of time
- Able to lift 20 pounds
- Good hand-eye coordination
- Discrimination by touch
- Follow safety precautions
- Good attendance/homework completion
- Good mechanical aptitude
- Fine motor skills



Lenape Technical School	Collision Repair Technology
Objective of field	Using a trained eye, a skilled hand, and a wide variety of tools, a Collision Repair Technician repairs a damaged vehicle to original showroom quality finish.
Job Duties	<ul style="list-style-type: none"> Students have the opportunity to operate state-of-the-art equipment, such as the Chief E-Z Liner Frame Machine and measuring system, Devilbiss Down Draft Spray Booth, HVLP Spray Guns, Computerized Estimating Software, and our Sim Spray Virtual Reality Paint Simulator. They also gain experience with the hands-on operation of standard power and hand tools used in the industry.
Classroom Tests	Year 1: 22 tests* Year 2: 24 tests* Year 3: 20 tests* <i>*This number is approximate and subject to change.</i>
Certification Tests	Safety, Pollution, and Prevention (SP/2) National Occupational Competency Institute (NOCTI) General Industry OSHA Pennsylvania State Inspection Fuser Training 3M Respirator Training
Books	I-Car Live Training Curriculum Thompson Delmar Learning Thompson Delmar Learning Instructional DVDs
Lecture Time	Year 1: 4.5 hrs/wk Year 2: 4-4.5 hrs/wk Year 3: 3.5 hrs/wk <i>*This number is approximate and subject to change.</i>
Co-op/Clinical	<ul style="list-style-type: none"> Student must receive approval from all members of the professional staff Student must have a "B" grade or higher in all subjects Student must have a satisfactory discipline record Student must maintain passing grades while they are in the co-op program Student must maintain strong attendance record and demonstrate punctuality Student must provide their own transportation to and from work Student must have completed 80% of program competencies
Homework	Homework average is 2-4 hours per week <ul style="list-style-type: none"> Study for unit tests Study guides Read automotive refinishing magazines
Task Lists	Year 1: 15 tasks Year 2: 30 tasks Year 3: 30 tasks <i>*This number is approximate and subject to change.</i>
Planned Courses	<ul style="list-style-type: none"> Detailing vehicles Welding Sheet Metal Repair Plastic Filler Repairing Plastic Preparation of Surface for Refinishing Refinishing Sanding and Buffing Chemical Stripping

Lenape Technical School	Collision Repair Technology
Planned Courses Continued	<ul style="list-style-type: none"> • Uni-body set-up and measuring • Frame Repair • Estimating • Glass
Academic Skills	<p>High School Reading Level</p> <p>Math Skills:</p> <ul style="list-style-type: none"> • Fractions/decimals (add, subtract, multiply, and divide) • Order of operations • Formulas • Ratios
Soft Skills	<ul style="list-style-type: none"> • Group learning • Patience • Communication • Ability to work at a steady pace • Good hygiene
Computer Skills	<ul style="list-style-type: none"> • Microsoft Word, Windows XP or newer
Physical Requirements	<ul style="list-style-type: none"> • Lift 20 pounds • Able to withstand loud noises in a confined area • Stand for extended periods of time
Vocational Testing Essential Aptitudes for lab recommended levels	<ul style="list-style-type: none"> • Structural mechanical visualization/reasoning • Gross/fine motor skills • Manual dexterity • Discrimination by touch and color
Training	<p>Lenape Tech's Collision Repair Technology program covers the Automotive Service Excellence / I-Car (ASE/ I Car) Curriculum. Upon completion of this course, you will be prepared to take the following ASE Tests; Sheet Metal Repair, Refinishing, Structural Analysis, Damage Analysis and Estimating.</p>
Uniform Requirements	<p>Student's Expense:</p> <ul style="list-style-type: none"> • Shop shirt • Lenape Tech Polo Shirt • 8 inch steel toe lace up boots • Safety glasses (one pair provided by Lenape Tech) • Blue Dickies work pants • OSHA Approved 3M Chemical respirator
Articulation/Agreements	<p>This is a program of study (POS) that has a state-wide articulation agreement with post-secondary institutions. To find these, please see: www.collegetransfer.net for this CIP Code: 47.0603</p>
Employment/Job Outlook	<p>Employment of automotive body and glass repairers is expected to grow 19 percent from 2010 to 2020, about as fast as the average for all occupations.</p> <p>The growing number of vehicles in use should increase overall demand for collision repair services during the next decade. However, overall job growth will be limited because new repair technology allows fewer workers to do more work.</p> <p>Job Outlook:</p> <p>Job opportunities should be very good for jobseekers with industry certification and formal training in automotive body repair and refinishing and in collision repair. Furthermore, demand for qualified workers with knowledge of specific technologies, materials, and makes and models of cars should create new job opportunities. Those without any training or experience will face strong competition for jobs.</p>

Lenape Technical School	Collision Repair Technology		
Employment/Job Outlook Continued	The need to replace experienced repair technicians who retire, change occupations, or stop working for other reasons also will provide some job opportunities.		
	Entry Level	2-Year Associates Degree	4-Year Bachelor's Degree
	Auto Detailer Estimator Auto Glass Installer Frame Repair Specialist Parts Manager Sheet Metal Repair Refinisher PPG Paint Mixer	Information Science and Technology I CAR Certification ASE Certification Refinish Team Certification General Shop Manager	Master I-Car Certification Tech. Master ASE Certified Tech. Collision Shop Manager
How to find out more?	<ul style="list-style-type: none"> • http://www.bls.gov/ooh/installation-maintenance-and-repair/diesel-service-technicians-and-mechanics.htm#tab-7 		