Collision Repair Technology

The Collision Repair course is designed to give students a thorough knowledge of the repair of damaged automobiles and trucks. The Collision Repair technician is a skilled craftsman that repairs damaged vehicles and restores them to pre-accident condition. This includes conventional and unitized body structural damage and paint refinishing (including single and two-stage painting). The National Automotive Technicians Education Foundation has certified the Collision Repair Technology program for Automotive Service Excellence.

Major Units of Study

- Autobody construction
- Basic hand tools
- Frame straightening
- Metal straightening and fabrication
- Mig welding
- Panel replacement
- Refinishing
- Use of power tools

Career Opportunities

- Automobile and truck painter
- Auto-customizer
- Body damage appraiser
- Collision repair specialist
- Framer repairer
- Painter assistant
- Parts department manager
- Service writer

Certifications

Possible Automotive Service Excellence (ASE) certifications for students include Structural Analysis & Damage Repair, Non-Structural Analysis & Damage Repair, and Painting Refinishing.

Visit the Carroll County Career and Technology Center website: http://www.carrollk12.org/ctc

- Apprentice Programs
- Colleges
- Articulation with the Community College of Baltimore County
- Military Services
- On-The-Job-Training
- Trade and Technical Schools
**COMPLETER: Collision Repair Technology CREDITS: 6**

- Guideline for Course Selections
- Refer to Graduation Requirements in the Program of Studies for specific course requirements in each content area

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<tr>
<th>Grade</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
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<tbody>
<tr>
<td>9</td>
<td>English 9 (1)</td>
<td>English 10 (1)</td>
<td>English 11 (1)</td>
<td>English 12 (1)</td>
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<td>US Government (1)</td>
<td>US History (1)</td>
<td>World History (1)</td>
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<td>Chemistry (1)</td>
<td>Biology (1)</td>
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<td>Intermediate Algebra / Data Analysis (1)</td>
<td>Geometry (1)</td>
<td>Algebra II / Data Analysis (1)</td>
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<td>PE (.5) / Financial Literacy (.5)</td>
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<td>Foundations of Technology (1)</td>
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<td>World Language (1)</td>
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**Completer Program Requirements**

- Collision Repair Technology I (3)
- Collision Repair Technology II (3)

**Career Specific Electives**

(may be taken any year offered after prerequisites have been satisfied)

- Advanced Design Applications (1), Technological Design (1), Math Elective beyond Alg. II/DA (.5-1), Accounting I (1), Business Principles & Practices (1), Business Communications & Keyboarding (1), Public Speaking (.5), Work-Based Learning Experience (.5-1)

8 credits possible per year

**Value Added:**

<table>
<thead>
<tr>
<th>From Program:</th>
<th>10 Articulated Credits Community College of Baltimore County, Catonsville</th>
<th>Up to 21 Articulated Credits Penn College of Technology Autobody/Collision Repair</th>
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</table>

**End of Program Test:**

<table>
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<tr>
<th>Industry: Taken:</th>
<th>National Automotive Student Skills Standards Assessment (NA3SA) At the end of Collision Repair Technology II</th>
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<tbody>
<tr>
<td>Industry: Taken:</td>
<td>NA3SA Exam in Non-Structural Analysis and Damage Repair, Painting and Refinishing, and Structural Analysis and Damage Repair</td>
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</table>

**ADA STATEMENT**

The Board of Education of Carroll County does not discriminate on the basis of disability in employment or provision of services, programs or activities. Information concerning the Americans with Disabilities Act is available from the Director of Facilities, 410-751-3177. Persons needing auxiliary aids and services for communication should contact the Office of Community and Media Relations at 410-751-3020 or publicinfo@carrollk12.org, or write to Carroll County Public Schools, 125 North Court Street, Westminster, Maryland 21157. Persons who are deaf, hard of hearing, or have a speech disability, use Relay or 7-1-1. Please contact the school system at least one (1) week in advance of the date the special accommodation is needed.