

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

Post-Secondary

- Apprentice Programs
- Colleges
- Articulation with the Community College of Baltimore County
- Military Services
- On-The-Job-Training
- Trade and Technical Schools

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>

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

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule.	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	World Language (1)	World Language (1)		
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: From: Program:	10 Articulated Credits Community College of Baltimore County, Catonsville		Up to 21 Articulated Credits Penn College of Technology Autobody/Collision Repair	
End of Program Test: Industry: Taken:	NA3SA Exam in Non-Structural Analysis and Damage Repair, Painting and Refinishing, and Structural Analysis and Damage Repair National Automotive Student Skills Standards Assessment (NA3SA) At the end of Collision Repair Technology II			

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