

AUTO COLLISION TECHNOLOGY
CAREER PATHWAY

Counter & Rental Clerks • Parts Salesperson • Metal Workers • Plastic Workers • Automotive Glass Installers & Repairers • Automotive Body & Related Repairers • Insurance Appraisers of Auto Damage • Cost Estimators

	CAREER TECHNICAL COURSE NAME & SUBJECT CODE	RECOMMENDED ACADEMICS
7		
8		
9		
10		
11	Collision Electrical & Mechanical Systems Collision Painting & Refinishing Collision Structural Inspection & Repair	
12	Collision Nonstructural Inspection & Repair Transportation Capstone	

INDUSTRY CREDENTIAL OPPORTUNITIES

- ICAR ProLevel 1 Refinishing Technician Certification - **12 Points**
- ICAR ProLevel Non-Structural Technician Certification - **12 Points**
- Lean Six Sigma Yellow Belt - **3 Points**
- Lean Six Sigma Green Belt - **6 Points**
- Leadership Excellence - Student - **3 Points**
- OSHA - 10-Hour Training* - **1 Point**
  (College Credit - CTS001 - 1 Credit Hour)
- CPR / First Aid - **1 Point**
- Ohio Driver's License - **1 Point**

POSTSECONDARY OPPORTUNITIES

*Indicates statewide articulated credit. Please reference course descriptions for semester hours and agreement number on the postsecondary articulated credits. Additional college credit may be available through bi-lateral agreements. Please see a school counselor for details on available bi-lateral agreements.

BHCC ADULT EDUCATION	HOURS

POTENTIAL PLACEMENT & INCOME –

**May 2025 State Occupational Employment and Wage Estimates for Ohio*

Parts Salesperson	**$40,250**
Counter & Rental Clerks	**$44,840**
Metal Workers & Plastic Workers	**$46,940**
Automotive Glass Installers & Repairers	**$52,810**
Automotive Body & Related Repairers	**$56,640**
Insurance Appraisers - Auto Damage	**$70,120**
Cost Estimators	**$82,740**

BUCKEYE HILLS CAREER CENTER

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AUTO COLLISION TECHNOLOGY CAREER PATHWAY

SUBJECT CODE **177009**

11th GRADE

COLLISION ELECTRICAL & MECHANICAL SYSTEMS

Students will perform inspections and repair electrical and mechanical damage due to collision. Topics include electrical and wiring harness, suspension, braking and cooling systems repairs. Students will service supplemental restraint systems (SRS) and ensure the integrity of the systems.

SUBJECT CODE **177012**

11th GRADE

COLLISION PAINTING & REFINISHING

Students will restore and refinish vehicle exterior body and paint finish. Students will inspect and identify substrate, type of finish, surface condition, and film thickness; develop and execute a plan for refinishing using a total product system. Students will inspect, clean, and determine condition of spray guns and related equipment. Additionally, students will observe safety precautions when using hazardous materials.

SUBJECT CODE **177010**

11th GRADE

COLLISION STRUCTURAL INSPECTION & REPAIR

Students will perform automotive collision repair of full and unibody frames and attach non-structural components. Students will apply the skills and knowledge needed to measure and diagnose structural damage, create a parts list, and determine labor costs. Students will remove and replace damaged structural components. Emphasis will be given to joining and cutting aluminum, steel and other metals. Students will maintain tools and facilities while complying with personal and environmental safety practices.

SUBJECT CODE **177011**

12th GRADE

COLLISION NONSTRUCTURAL INSPECTION & REPAIR

Students will learn the skills and knowledge of automotive body panel repairs, replacements, and adjustments. Students will analyze, document and repair nonstructural collision damage. Students will remove corrosion protection, undercoating, sealer, and other protective coatings as necessary to perform repairs. Emphasis will be given to joining and cutting aluminum, steel and other metals. Students will maintain tools and facilities while complying with personal and environmental safety practices.

SUBJECT CODE **177023**

12th GRADE

TRANSPORTATION CAPSTONE

The capstone course provides opportunities for students to apply knowledge, attitudes and skills that were learned in Transportation program in a more comprehensive and authentic way. Capstones often include project/problem-based learning opportunities that occur both in and away from school. Under supervision of the school and through community partnerships, students may combine classroom learning with work experience. This course can be delivered through a variety of delivery methods including cooperative education or apprenticeship.

Buckeye Hills Career Center | 351 Buckeye Hills Road | Rio Grande, OH 45674 | 740.245.5334 | buckeyehills.net

Career-technical education does not discriminate on the basis of race, color, national origin, sex, disability, or age for participation in any program or activity. Lack of English language proficiency will not be a barrier to admission and participation in career-technical education programs or courses.