



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

- | 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 I 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

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.

