



# Autobody Collision & Repair Technology

## Sypek Center

Auto Body Repair covers a variety of topics, including the use of hand tools, safety practices, and identification, construction, removal, replacement, and repair of automobile body parts. Students learn refinishing as well as full-body painting. They are also exposed to oxy-acetylene, Mig, and aluminum welding. Students are taught frame straightening on state-of-the-art equipment. This program prepares students to apply technical knowledge and skills to repair, reconstruct and finish automobile bodies, fenders, and external features. This program includes instruction in structure analysis, damage repair, non-structural analysis, mechanical and electrical components, plastics and adhesives, painting and refinishing techniques, and damage analysis and estimating.

Our program is an accredited training program powered by the ASE Education Foundation. Automotive Collision & Repair Technology prepares students to take a series of Automotive Service Excellence (ASE) Certification Tests to gain an entry-level position in the field. Students will also have the skills to move into higher levels of training for more specialized positions by earning industry-valued credentials such as OSHA 10 & stackable ASE Entry Level certifications. The National Institute for Automotive Service Excellence (ASE) Entry-Level certification tests are designed to indicate a satisfactory level of practical knowledge-based readiness for the workforce in candidates seeking a career in the automotive service industry. All students in this program have the opportunity to join their respective Career Technical Student Organization, SkillsUSA. Additionally, upon completion of the program, students may be afforded prior learning assessment (PLA) credit opportunities through Mercer County Community College.

## Autobody Collision & Repair Technology I

Grade Level: 11 Credits: 20

Year one (1) students in the Auto Collision Program learn the basics of automotive structures and construction, as well as safety procedures in and out of a standard auto collision shop. An overview in the use of hand and power tools, and their relation to auto body maintenance along with the basics of metal straightening and framework, painting preparation and fundamentals, sanding, and finishing provide students with a strong foundational introduction to Auto Collision. Students will earn their OSHA 10 certification in this course along with the opportunity to earn stackable ASE Entry Level certification in Collision Repair & Refinish, and Nonstructural Analysis & Damage Repair.

## Autobody Collision & Repair Technology II

Grade Level: 12 Credits: 20

Year two (2) of Autobody Collision explores refinishing, custom paintwork, repair and replacing structural components such as hoods, doors, bumpers, and fenders. Students will service glass, doors, and leaks, and learn all aspects of painting and finishing. This course continues with the opportunity to earn stackable ASE Entry-Level certifications in Painting & Refinishing, Mechanical & Electrical, and Structural Analysis & Damage Repair. Second-year students have the opportunity to engage and interact with local business partners through work-based learning opportunities while learning to demonstrate essential employability and technical skills in the automotive industry. This course will culminate with an ASE Collision Repair & Refinish Certification Test (B2) - Painting and Refinishing.



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### Industry Valued Credentials & Certifications

OSHA 10 certification  
Automotive Service Excellence (ASE) Entry Level Certification

### Articulation Agreements

Mercer County Community College

