



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 the Automotive Service Excellence (ASE) Entry-Level certification tests designed to represent competency in the collision master task list, which indicates to employers that the graduate has the skills needed for entry-level employment in the Collision Repair and Refinish service field. Students will also have the skills to move into higher levels of training for more specialized positions by earning these industry-valued credentials. All students in this program can join their respective Career Technical Student Organization, SkillsUSA. Additionally, upon completing 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 and safety procedures in and out of a standard auto collision shop. An overview of 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 and the opportunity to earn stackable ASE Entry Level certification in Mechanical & Electrical 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 certification in Structural Analysis & Damage Repair. Second-year students can 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 Entry Level 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



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