

NON-STRUCTURAL REPAIR TECHNICIAN

Repair automotive vehicles bodies and straighten vehicle frames. The program duplicates a repair shop environment where work is performed on customer vehicles, and uses I-CAR Advance Tech Curriculum.

panel repair | metal finishing | body fillings | basic welding | interior installation | damage analysis & repair estimation

Suggested Abilities

- 8th grade English reading, writing, speaking, and listening
- Understand basic algebra
- Basic knowledge of chemistry and physics
- Lift 30 pounds
- Sustained activity for 5 hours at a time

Prerequisites

- *High School Students: Meet with counselor for eligibility requirements*

Class Hours

- Morning: 7:50am - 10:40am, Mon. - Fri.

SEMESTER 1

ACT 1001 Intro to Automotive Collision Technology

4 credits

job options, vehicle construction, tools, maintenance, repair and refinishing safety, personal/environmental protection, and hazardous materials handling/disposal.

ACT 1021 Non-Structural Repair Preparation

3 credits

Preparation for automotive repair: damage analysis, repair sequencing, component removal, panel protection, parts storage/labeling, and safety procedures and equipment use.

ACT 1022 Panel Repair & Replacements

3 credits

Straightening techniques, part identification/adjustment/replacement, and use of adhesives, sound deadeners, metal finishing, and welding in repairs.

ACT 1023 Metal Finishing And Body Filling

3 credits

Metal finishing, shrinking, and cosmetic fillers, emphasizing proper tool selection, usage, and safety procedures for performing these tasks.

SEMESTER 2

ACT 1011 Metal Welding and Cutting I

3 credits

Sheet-metal oxygen-acetylene and MIG welding techniques, safety, materials, equipment, setups, and required personal and vehicle protective measures before welding.

ACT 1024 Replace Weld-on Exterior Panel

3 credits

Replacing welded exterior panels with emphasis on proper tool selection, use, and safety procedures for performing these tasks.

ACT 1051 Plastics & Adhesives I

1 credit

State-of-the-art repair for both rigid and flexible plastic components and choosing adhesives using the latest manufacturer's repair techniques.

ACT 1070 Automotive Collision Tech Lab Experiences I

2 credits

Perform basic tasks or a specialized area in a controlled instructional lab.

ACT 2011 Metal Welding And Cutting II

2 credits

MIG seam and stitch welding, destructive testing, resistance spot welding, plasma cutting, materials, equipment, operating procedures, and strong emphasis on shop safety.

ACT 2021 Movable Glass And Hardware

2 credits

removal and replacement of door glass, vent windows, glass mechanisms, interior trim, seats, and headliners; care of seat protectors and proper tool use for these tasks.

Non-Structural Repair Technician Certificate

1 year

26 Credit Hours



Information Revised DEC '25. Information subject to change. Course listings have been paraphrased on this flyer, for full course info please see Pickens Catalog. This certificate is eligible for Financial Aid. If you have further questions, please call (303)344-4910.