Course Information Form (CIF)

Course Code: ACR 133

Course Title: Non-Structural Unibody Collision Repair

Department: Applied Sciences and Technologies
PCS Code: 1.2 - Occupational/Technical Instruction
CIP Code: 47.0603
Repeatability: 0

Effective Date: Summer 2026

Credit Hours

Catalog Notation: 2-2-3
Credit Hour Distribution:

Lecture: 2	Lab: 2	Clinical: 0	**Total: 3**

General Course Information

Catalog Description

Straightening and repair of non-structural unibody systems in collision repair; restoration of corrosion protection; outer panel protection; dent repair, door skins, quarter panels; removal and installation of fenders, doors, and deck lids.

General Course Objectives

Students will be able to use equipment to straighten non-structural unibody systems.

Minimum Placement Levels

English	Reading	Math
Placement into ENG 098	Placement into CCS 098	Placement into MAT 059

Prerequisites

Credit in ACR 110

Methods of Evaluation

Minimum of 5 written exams, 8 graded assignments, 8 lab sheets, and 2 practical exams.

Instructional Materials and Additional Supplies

Auto Collision Repair and Refinishing, Michael Crandell

Course Content

General Learning Outcomes (GLOs)

- Technology: Students will demonstrate the ability to evaluate, select, and appropriately use current and emerging tools.

Course Segments and Student Learning Outcomes

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Repair Planning	1. Review and demonstrate understanding of repair plan. 2. Compare repair plan to OEM procedures. 3. Demonstrate understanding of flat rate system repair hours.	2	2	0
Bolted Metal Panel Replacement and Repair	1. Demonstrate panel replacement and use of alignment tools. 2. Demonstrate deck lid and latch alignment. 3. Demonstrate door and tailgate installation techniques. 4. Remove and reinstall fenders. 5. Select and use metal straightening tools.	10	12	0
Bonded Non-structural Panel Replacement or Repair	1. Explain welded or bonded installation techniques. 2. Demonstrate outer door skin repair or replacement. 3. Demonstrate quarter panel repairs for sectioning and full replacement. 4. Demonstrate repair of damaged quarter panels. 5. Prepare surfaces for quarter panel installation. 6. Align and install replacement quarter panel. 7. Demonstrate the use of computerized laser measuring devices to measure and align parts on the vehicle.	10	12	0
Study of Corrosion and Outer Protection	1. Describe the relationship of corrosion to structural integrity. 2. Prepare surface for corrosion protection. 3. Identify anti-corrosion primers. 4. Identify anti-corrosion compounds. 5. Identify corrosion protection systems for weld areas. 6. Identify corrosion protection systems for exposed exterior surfaces.	2	2	0
Study of Bonding Techniques	1. Describe the differences between welding, adhesives, and rivets. 2. Demonstrate the ability to research and document OEM procedures for welding or bonding panels. 3. Demonstrate safe practices and vehicle protection measures while welding.	6	2	0

Total Contact Hours

Lecture Hours	Lab Hours	Clinical Hours
30	30	0