Course Information Form (CIF)

Course Code: ACR 110

Course Title: Collision Repair Fundamentals

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

Introduction to and application of entry-level skills for automotive collision repair. Emphasis on safety, tools, equipment, fasteners in industry service procedures. Reading and understanding the repair plan. Nonstructural panel repair and masking for refinishing.

General Course Objectives

Students will learn the skills needed for damaged vehicle disassembly, damage analysis, and reassembly. Students will use industry-recognized procedures for repair and recycling of damaged parts.

Minimum Placement Levels

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

Prerequisites

None

Methods of Evaluation

Minimum of 2 exams, 6 quizzes, and 2 lab practicals.

Instructional Materials and Additional Supplies

Auto Collision Repair and Refinishing

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
Safety	1. Identify the safety precautions related to working on vehicles and the collision repair industry. 2. Complete industry-recognized safety training credential.	2	2	0
Collision Repair Fundamentals	1. Describe the factors that influence how a vehicle reacts in a collision. 2. Identify bends, body lines, and crowns. 3. Differentiate between direct and indirect damage. 4. Explain the difference between bend and kink. 5. Describe and identify the type of damage found on full frame vehicles and unibody vehicles.	8	8	0
Trim and Hardware	1. Recognize the various fasteners used. 2. Use service information to identify torque procedures and mechanical and liquid thread retention methods.	4	4	0
Nonstructural Tools, Material, Equipment, and Repairs	1. Describe and identify the tools used for nonstructural repairs. 2. Demonstrate understanding of the segments of a collision repair. 3. Complete nonstructural repairs. 4. Demonstrate how to apply the information to repair a vehicle based on time allocated and industry repair procedures.	5	5	0
Bolted Nonstructural Part Replacement	1. Identify parts sources. 2. Demonstrate the ability to remove, install, and align bolted nonstructural panels. 3. Explain how to remove damaged bolted panels.	9	8	0
Preparation of Panels for Masking and Refinishing	1. Review the repair plan for time allocated for masking. 2. Demonstrate how to mask for various refinishing applications.	2	3	0

Total Contact Hours

Lecture Hours	Lab Hours	Clinical Hours
30	30	0