

AUTOMOTIVE COLLISION REPAIR: GENERAL AUTOMOTIVE COLLISION (CERT)

CERTIFICATE OF ACHIEVEMENT

The General Automotive Collision Repair Certificate prepares the student for employment as an entry level technician in the automotive collision repair field. Students will learn the estimating process, parts identification, vehicle design, vehicle disassembly and assembly, panel repair, refinishing and welding processes used in the collision field. Graduates are employed as entry-level technicians, paint helpers, estimators, parts technicians, apprentice technicians or are self-employed. Spatial intelligence, cognitive ability and hand-eye coordination are recommended for those entering the program.

Program Student Learning Outcomes

- Students will analyze structural damage to crashed vehicles and develop appropriate repair plans to restore them to factory specifications.
- Students will complete I-CAR Industry Certification training for ProLevel-1 certification.
- Students will properly clean vehicles to be repaired and remove necessary moldings and trim for access.
- Students will properly clean, prepare, block sand-repaired areas, and mask vehicles for application of primers.
- Students will properly identify the base materials used to make automotive parts and select appropriate repair materials and methods to restore damaged parts to factory specifications.
- Students will properly repair automotive metal and plastic parts to industry standards.
- Students will properly set up and tune GMAW (MIG) welders and complete plug, lap, butt, and butt with insert welds to industry standards.
- Students will properly use terminology unique to the collision repair industry when describing learning activities.

Program Requirements

Code Number	Course Title	Units
Required Core Courses		
AB 151	Non-Structural Repair	4.5
AB 181	Non-Structural Damage Estimating	3.0
Required Electives		
AB 154	Advanced-Design Panel Repair	4.5
AB 156	Non-Structural Automotive Welding	2.0
AB 161	Preparation and Spot Refinishing	3.0
AB 161L	Automotive Refinishing Lab	1.5
Total Units		18.5