

AUTOMOTIVE COLLISION REPAIR: GENERAL AUTOMOTIVE COLLISION REPAIR (A.S.)

ASSOCIATE OF SCIENCE

The General Automotive Collision Repair degree option prepares students for employment as an entry level technician. Through a combination of lecture and hands-on lab courses focusing on skills-based learning, students will explore vehicle construction techniques, attachment and refinish of outer panels accompanied with use of specialty equipment and hand tools found in automotive service and repair facilities. Core topics include automotive welding procedures, vehicle disassembly and assembly, outer panel attachment methods, plastic repair, small dent repair, tools, equipment, estimating and refinishing. Design, function and operation of these subjects is included in the degree. Graduates are employed as entry level technicians, estimators, refinish technicians, apprentice technicians or are self-employed.

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.

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

ASSOCIATE OF SCIENCE DEGREE REQUIREMENTS

Meet the Total Major Requirements, the General Education requirements for the Associate's Degree (Plan A), and electives, if necessary, to achieve a minimum of 60 degree-applicable units.

Recommended Electives

Code Number	Course Title	Units
AB 157	Structural Automotive Welding	
AB 162	Overall And Multi-Coat Refinishing	
AB 163	Production Refinishing	

AB 164	Automotive Air Brush Painting
AB 165	Mix and Adjusting Color
AB 166	Lettering, Striping and Design
AB 167	Automotive Custom Painting
AB 183P	Computerized Damage Estimating - Pathways
AB 183U	Computerized Damage Estimating-Ultramate
AB 181	Non-Structural Damage Estimating
AB 182	Structural Damage Estimating
AB 188	Introduction to Automotive Claims Handling
AB 281	Structural Damage Analysis for Estimators
AB 282	Steering, Suspension and Powertrain Analysis for Estimators
AB 283	Advanced-Frame Analysis for Estimators
AB 286	Computerized Shop Management
AB 287	Advanced Collision Repair Management
AB 288	Advanced Automotive Claims