

PROGRAMS

COLLISION REPAIR & REFINISHING TECHNOLOGY

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The Collision Repair and Refinishing Technology program prepares individuals to apply technical knowledge and skills to repair, reconstruct and refinish vehicle both before and after a collision.

Coursework provides a strong foundation in structural and body damage analysis & estimating, damage repair both non-structural and structural in steel & aluminum. This program also includes the repair of plastics, fiberglass, carbon fiber, and use of adhesives for plastic & steel; welding with MIG & STRSW as well as plastic, and paint & refinishing techniques for solvent-borne & waterborne paints systems.

Graduates of this program will be prepared to take industry third-party credentialing which correspond with program & industry standards. Graduates will be prepared to enter careers as entry-level technicians in the collision repair & refinishing industry.

Students completing the Collision Repair and Refinishing Technology will have the opportunity to earn the following I-CAR certifications:

- I-CAR ProLevel 1 – Non-Structural Technician
- I-CAR ProLevel 1 – Refinish Technician

The I-CAR Professional Development Program (PDP) is an industry recognized program for training collision repair professionals in essential role-relevant knowledge and skills.

See www.i-car.com for more information.

Learning Outcomes

Upon completion of this program, students will be able to:

- Demonstrate the knowledge and skills necessary to be a Refinish Technician
- Demonstrate the knowledge and skills necessary to be a Non-Structural Technician
- Perform 10 different welds on thick & thin steel coupons
- Repair a damaged vehicle frame based on damage identification derived from computerized frame measurements
- Write a complete computerized estimate of repairs using the CCOne Estimating Software

Current member of the [Carolinas Collision Association](#)



Collision Repair & Refinishing Technology Diploma - D60130

First Year		
Fall		Credit Hours
ACA 111	College Student Success	1
AUB 121	Non-Structural Damage I	3
AUB 122	Non-Structural Damage II	4
AUB 136	Plastics & Adhesives	3
ENG 101 or ENG 111	Applied Communications I Writing and Inquiry	3

Programs

TRN 110	Introduction to Transport Technology	2
TRN 180	Basic Welding for Transportation	3
	Credit Hours	19
Spring		Credit Hours
AUB 111	Painting & Refinishing I	4
AUB 112	Painting & Refinishing II	4
AUB 114	Special Finishes	2
AUB 150	Automotive Detailing	2
AUB 160	Body Shop Operations	1
MAT 110	Mathematical Measurement and Literacy	3
	Credit Hours	16
Summer		Credit Hours
AUB 131	Structural Damage I	4
AUB 162	Autobody Estimating	2
	Credit Hours	6
	Total Credit Hours	41

Collision Repair & Refinishing Technology Part-time Pathway

Term 1		Credit Hours
ACA 111	College Student Success	1
AUB 121	Non-Structural Damage I	3
AUB 122	Non-Structural Damage II	4
TRN 110	Introduction to Transport Technology	2
	Credit Hours	10
Term 2		Credit Hours
AUB 111	Painting & Refinishing I	4
AUB 112	Painting & Refinishing II	4
MAT 110	Mathematical Measurement and Literacy	3
	Credit Hours	11
Term 3		Credit Hours
AUB 131	Structural Damage I	4
	Credit Hours	4
Term 4		Credit Hours
AUB 136	Plastics & Adhesives	3
ENG 101 or ENG 111	Applied Communications I Writing and Inquiry	3
TRN 180	Basic Welding for Transportation	3
	Credit Hours	9
Term 5		Credit Hours
AUB 114	Special Finishes	2

AUB 150	Automotive Detailing	2
AUB 160	Body Shop Operations	1
	Credit Hours	5
Term 6		Credit Hours
AUB 162	Autobody Estimating	2
	Credit Hours	2
	Total Credit Hours	41

Collision Repair - Structural & Non-Structural Damage Repair Certificate - C60130DR

First Year		
Summer		Credit Hours
ACA 111	College Student Success	1
AUB 131	Structural Damage I	4
AUB 162	Autobody Estimating	2
	Credit Hours	7
Second Year		
Fall		Credit Hours
AUB 121	Non-Structural Damage I	3
AUB 122	Non-Structural Damage II	4
AUB 136	Plastics & Adhesives	3
	Credit Hours	10
	Total Credit Hours	17

Collision Repair - Painting and Refinishing Certificate – C60130PR

Courses		Credit Hours
AUB 111	Painting & Refinishing I	4
AUB 112	Painting & Refinishing II	4
AUB 114	Special Finishes	2
AUB 150	Automotive Detailing	2
AUB 160	Body Shop Operations	1
	Total Credit Hours	13

Collision Repair & Refinishing Technology - CCP

Courses		Credit Hours
ACA 111	College Student Success	1
AUB 111	Painting & Refinishing I	4
AUB 112	Painting & Refinishing II	4
AUB 121	Non-Structural Damage I	3
AUB 122	Non-Structural Damage II	4
TRN 110	Introduction to Transport Technology	2
	Total Credit Hours	18