

# PROGRAMS

## COLLISION REPAIR & REFINISHING TECHNOLOGY

**Contact(s):** [Billy Huneycutt](#)

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](http://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
<b>Spring</b>		<b>Credit Hours</b>
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
<b>Summer</b>		<b>Credit Hours</b>
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

<b>Term 1</b>		<b>Credit Hours</b>
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
<b>Term 2</b>		<b>Credit Hours</b>
AUB 111	Painting & Refinishing I	4
AUB 112	Painting & Refinishing II	4
MAT 110	Mathematical Measurement and Literacy	3
	Credit Hours	11
<b>Term 3</b>		<b>Credit Hours</b>
AUB 131	Structural Damage I	4
	Credit Hours	4
<b>Term 4</b>		<b>Credit Hours</b>
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
<b>Term 5</b>		<b>Credit Hours</b>
AUB 114	Special Finishes	2

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

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

<b>First Year</b>		
<b>Summer</b>		<b>Credit Hours</b>
ACA 111	College Student Success	1
AUB 131	Structural Damage I	4
AUB 162	Autobody Estimating	2
	Credit Hours	7
<b>Second Year</b>		
<b>Fall</b>		<b>Credit Hours</b>
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**

<b>Courses</b>		<b>Credit Hours</b>
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**

<b>Courses</b>		<b>Credit Hours</b>
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