

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 (<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 (<https://carolinascollisionassociation.com/>)



- Collision Repair & Refinishing Technology Diploma (p. 1)
- Collision Repair - Structural & Non-Structural Damage Repair Certificate (p. 2)
- Collision Repair - Painting and Refinishing Certificate (p. 2)
- Collision Repair & Refinishing Technology - CCP (p. 2)

Collision Repair & Refinishing Technology Diploma – D60130

Gainful Employment Disclosure (<https://www.stanly.edu/ajax/gedt/ED60130.pdf>)

Course	Title	Credit Hours
First Year		
Fall		
ACA 111	College Student Success	1
ENG 111 or ENG 101	Writing and Inquiry or Applied Communications I	3
AUB 121	Non-Structural Damage I	3
AUB 122	Non-Structural Damage II	4
AUB 136	Plastics & Adhesives	3
TRN 110	Introduction to Transport Technology	2
TRN 180	Basic Welding for Transportation	3
Credit Hours		19
Spring		
MAT 110	Mathematical Measurement and Literacy	3
AUB 111	Painting & Refinishing I	4
AUB 112	Painting & Refinishing II	4
AUB 150	Automotive Detailing	2
AUB 114	Special Finishes	2

AUB 160	Body Shop Operations	1
Credit Hours		16
Summer		
AUB 131	Structural Damage I	4
AUB 162	Autobody Estimating	2
Credit Hours		6
Total Credit Hours		41

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

Gainful Employment Disclosure (<https://www.stanly.edu/ajax/gedt/EC60130DR.pdf>)

Course	Title	Credit Hours
First Year		
Summer		
ACA 111	College Student Success	1
AUB 131	Structural Damage I	4
AUB 162	Autobody Estimating	2
Credit Hours		7
Second Year		
Fall		
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

Gainful Employment Disclosure (<https://www.stanly.edu/ajax/gedt/EC60130PR.pdf>)

Course	Title	Credit Hours
First Year		
Spring		
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
Credit Hours		13
Total Credit Hours		13

Collision Repair & Refinishing Technology - CCP

Tuition-waived program for Career & College Promise (<https://www.stanly.edu/future-students/career-college-promise/>) (high school students)

Code	Title	Credit Hours
TRN 110	Introduction to Transport Technology	2
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
ACA 111	College Student Success	1
Total Credit Hours		18

View Our Videos (<https://www.stanly.edu/future-students/continuing-education/automotive-program/view-our-videos/>)