

Collision Repair and Refinishing Technology

The Collision Repair and Refinishing Technology curriculum provides training in the use of equipment and materials of the collision repair and refinishing trade. The student studies the construction of the automobile body and techniques of repairing, rebuilding, and refinishing.

The course work includes collision repair fundamentals, industry overview, and safety. Students will perform hands-on repairs in non-structural and structural repairs, MIG welding, plastics and adhesives, refinishing, and other related areas.

Graduates of the curriculum should qualify for entry-level employment opportunities in the collision repair and refinishing industry. Graduates may find employment with franchised independent garages, or they may become self-employed.

For specific information about potential positions and wages in collision repair and refinishing employment, visit the Central Piedmont Career Coach website.

Collision Repair and Refinishing Technology (A60130)

Diploma Awarded

An Associate in Applied Science degree in Collision Repair and Refinishing Technology is awarded by the college upon completion of this program.

Admissions

- Completion of a high school diploma or equivalent is required as the foundation of a career in this area.
- Many courses have prerequisites or co-requisites; check the Courses section for details.

Note: Students must furnish required hand tools, textbooks, respirator and protective clothing. A list of these items can be obtained from an instructor or the program chair. Call the program chair at 704.330.4153 for a list.

Contact Information

The Collision Repair and Refinishing Technology program is in the Public Service & Transportation Division. For more information, call the program chair at 704.330.4153 or the Public Service & Transportation Division at 704.330.4122.

General Education Requirements

ENG 111	Writing and Inquiry	3.0
Select 3.0 credits from the following:		3.0
COM 110	Introduction to Communication	
COM 231	Public Speaking	
Select 3.0 credits from the following:		3.0
MAT 110	Mathematical Measurement and Literacy	
MAT 143	Quantitative Literacy	
MAT 152	Statistical Methods I	
MAT 171	Precalculus Algebra	
Select 3.0 credits from the following:		3.0

ART 111	Art Appreciation	
ART 114	Art History Survey I	
ART 115	Art History Survey II	
DRA 111	Theatre Appreciation	
HUM 120	Cultural Studies	
HUM 130	Myth in Human Culture	
MUS 110	Music Appreciation	
MUS 112	Introduction to Jazz	
PHI 215	Philosophical Issues	
PHI 240	Introduction to Ethics	
REL 110	World Religions	
Select 3.0 credits from the following:		3.0
ECO 251	Principles of Microeconomics	
ECO 252	Principles of Macroeconomics	
HIS 111	World Civilizations I	
HIS 112	World Civilizations II	
HIS 131	American History I	
HIS 132	American History II	
POL 120	American Government	
PSY 150	General Psychology	
SOC 210	Introduction to Sociology	

Major Requirements

TRN 110	Introduction to Transport Technology	2.0
TRN 120	Basic Transportation Electricity	5.0
TRN 140	Transportation Climate Control	2.0
TRN 170	Pc Skills for Transportation	2.0
AUB 111	Painting & Refinishing I	4.0
AUB 112	Painting & Refinishing II	4.0
AUB 121	Non-Structural Damage I	3.0
AUB 131	Structural Damage I	4.0
AUB 114	Special Finishes	2.0
AUB 122	Non-Structural Damage II	4.0
AUB 132	Structural Damage II	4.0
AUB 136	Plastics & Adhesives	3.0
AUB 162	Autobody Estimating	2.0
TRN 180	Basic Welding for Transportation	3.0

Technical Electives

Select 5.0 Credits from the Following:		5.0
ACA 122	College Transfer Success	
AUB 141	Mechanical & Electrical Components I	
TRN 180A	Basic Welding for Transportation Lab	
TRN 140A	Transportation Climate Control Lab	
WBL 111	Work-Based Learning I	
WBL 122	Work-Based Learning II	

Total Credits 64

Collision Repair and Refinishing Technology (D60130)

Diploma Awarded

A Diploma in Collision Repair and Refinishing Technology is awarded by the College upon completion of this program.

Admissions

- Completion of a high school diploma or equivalent is required as the foundation of a career in this area.
- Many courses have prerequisites or co-requisites; check the Courses section for details.

Note: Students must furnish required hand tools, textbooks, respirator and protective clothing. A list of these items can be obtained from an instructor or the program chair. Call the program chair at 704.330.4153 for a list.

Contact Information

The Collision Repair and Refinishing Technology program is in the Public Service & Transportation Division. For more information, call the program chair at 704.330.4153 or the Public Service & Transportation Division at 704.330.4122.

General Education Requirements

ENG 111	Writing and Inquiry	3.0
or ENG 101	Applied Communications I	
MAT 110	Mathematical Measurement and Literacy	3.0

Major Requirements

AUB 111	Painting & Refinishing I	4.0
AUB 112	Painting & Refinishing II	4.0
AUB 114	Special Finishes	2.0
AUB 121	Non-Structural Damage I	3.0
AUB 122	Non-Structural Damage II	4.0
AUB 131	Structural Damage I	4.0
AUB 132	Structural Damage II	4.0
AUB 136	Plastics & Adhesives	3.0
TRN 110	Introduction to Transport Technology	2.0
TRN 180	Basic Welding for Transportation	3.0
AUB 162	Autobody Estimating	2.0
WBL 112	Work-Based Learning I	2.0
AUB 141	Mechanical & Electrical Components I	3.0
TRN 180A	Basic Welding for Transportation Lab	1.0
Total Credits		47

Collision Repair and Refinishing Technology Certificates (C60130)

- Collision Repair and Refinishing Technology Certificate with a Specialization in Painting and Refinishing (C60130-C1) (p. 2)
- Collision Repair and Refinishing Technology Certificate with a Specialization in Collision Repair (C60130-C2) (p. 2)
- Collision Repair and Refinishing Technology Certificate with a Specialization in Autobody Estimating (C60130-C3) (p. 2)

The certificates listed below can be earned in the Collision Repair and Refinishing Technology (D60130) program.

Admissions

- Completion of a high school diploma or equivalent is required as the foundation of a career in this area.
- Many courses have prerequisites or co-requisites; check the Courses section for details.

Contact Information

For more information, contact the Commercial Driver's License Instructor at 704.330.4158 or the Public Service & Transportation Division at 704.330.4122.

Collision Repair and Refinishing Technology Certificate with a Specialization in Painting and Refinishing (C60130-C1)

This certificate is also available to high school students enrolled in Career and College Promise.

Major Requirements

AUB 111	Painting & Refinishing I	4.0
AUB 112	Painting & Refinishing II	4.0
AUB 114	Special Finishes	2.0
AUB 136	Plastics & Adhesives	3.0
Total Credits		13

Collision Repair and Refinishing Technology Certificate with a Specialization in Collision Repair (C60130-C2)

Major Requirements

AUB 121	Non-Structural Damage I	3.0
AUB 122	Non-Structural Damage II	4.0
AUB 131	Structural Damage I	4.0
AUB 132	Structural Damage II	4.0
TRN 180	Basic Welding for Transportation	3.0
Total Credits		18

Collision Repair and Refinishing Technology Certificate with a Specialization in Autobody Estimating (C60130-C3)

Major Requirements

AUB 131	Structural Damage I	4.0
AUB 132	Structural Damage II	4.0
AUB 162	Autobody Estimating	2.0
WBL 112	Work-Based Learning I	2.0
Total Credits		12

The following is the suggested plan for when to take each course to complete the Associate in Applied Science degree, based on the program requirements of the 2022-2023 catalog. This is only a recommendation — you may take courses in another order upon consultation with your advisor. This plan is based on you starting with college-level math and English courses, starting your program in the fall, and attending full-time. You can also follow this sequence if you attend part-time. Speak with an advisor about the plan and any questions. This program might also offer diplomas or certificates; visit the catalog or contact the program for details.

Collision Repair and Refinishing Technology