

COLLISION REPAIR TECHNOLOGY (ACRR)

ACRR-161 Exterior and Interior Renovation

1 Credit

Lecture: 1 hour per week

Offering: Fall Only, All Years

This course offers classroom introduction to basic automotive refinishing and primarily covers automotive detailing. Automotive finishes, products used, and techniques will be covered.

Emphasis will be placed on prewash, exterior polish, and interior renovation of "live" customer vehicles. Health and safety issues will also be covered.

ACRR-162 Fundamentals of Collision Repair

4 Credits

Lecture: 4 hours per week

Offering: Fall Only, All Years

This course offers classroom introduction and discussion related to the fundamentals of collision repair, welding, trim and hardware, and exterior panel repair for automobiles. Vehicle construction and terminology, collision energy management, automotive fasteners, and bolt-on replacement parts will also be covered. Health and safety issues will also be covered.

ACRR-163 Damage Analysis and Small Dent Repair

2 Credits

Lecture: 2 hours per week

Offering: Fall Only, All Years

This course offers classroom introduction and discussion to automotive refinishing related to straightening and repairing steel, body fillers and application techniques, analysis of damage and appropriate repair strategies. Health and safety issues will also be covered.

ACRR-164 Introduction to Paint Refinishing

1 Credit

Lecture: 1 hour per week

Offering: Fall Only, All Years

This course offers classroom introduction and discussion related to automotive corrosion protection and application, and introduction to automotive painting fundamentals. Surface preparation, masking, finish identification, primers, and fundamentals of paint chemistry will also be covered. Health and safety issues will also be covered.

ACRR-165L Collision Repair Lab I

6 Credits

Lab: 12 hours per week

Offering: Fall Only, All Years

This course features hands-on shop experience in all phases of auto refinishing, gas metal arc welding, basic body panel repair techniques, fiberglass and plastic parts repair. Mock-up vehicles as well as actual customer work will be utilized. Health and safety practices are promoted.

ACRR-166L Collision Repair Lab II

5 Credits

Lab: 10 hours per week

Offering: Fall Only, All Years

Collision Repair Lab II is a continuation of the hands-on concepts covered in ACRR 165L which includes all phases of auto refinishing, gas metal arc welding, basic body panel repair techniques, fiberglass and plastic parts repair. Mock-up vehicles as well as actual customer work will be utilized.

ACRR-171 Paint Refinishing Fundamentals

3 Credits

Lecture: 3 hours per week

Offering: Spring Only, All Years

This course offers classroom introduction and discussion related to safety and the environment, refinish equipment, and color theory, application, tinting, and blending. MSDS, environmental laws, and material mixing will also be covered. Health and safety issues will also be covered.

ACRR-172 Damage Analysis and Estimating

2 Credits

Lecture: 2 hours per week

Offering: Spring Only, All Years

This course offers classroom introduction and discussion related to vehicle construction and vehicle identification numbers (VIN), collision repair estimates, crash manuals, damage analysis, and introduction to measuring. Damage reporting, cooling systems, air conditioning, and interior analysis will also be covered. Health and safety issues will also be covered.

ACRR-173 Measurement and Structural Analysis

2 Credits

Lecture: 2 hours per week

Offering: Spring Only, All Years

This course offers classroom introduction and discussion related to damage conditions, point-to-point measuring and three-dimensional measuring, and structural steel parts. Frame sectioning, and vehicle body assembly will also be covered. Health and safety issues will also be covered.

ACRR-174 Surface Prep and Adhesive Bonding

1 Credit

Lecture: 1 hour per week

Offering: Spring Only, All Years

This course offers classroom introduction and discussion related to adhesive bonding, panel removal and installation will also be covered. Health and safety issues will also be covered.

ACRR-175L Collision Repair Lab III

5 Credits

Lab: 10 hours per week

Offering: Spring Only, All Years

This course features hands-on shop experience in all phases of auto refinishing, gas metal arc welding, basic body panel repair techniques, fiberglass and plastic parts repair. Mock-up vehicles as well as actual customer work will be utilized. Health and safety practices are promoted.

ACRR-176L Collision Repair Lab IV

5 Credits

Lab: 10 hours per week

Offering: Spring Only, All Years

This course features hands-on shop experience in all phases of auto refinishing, gas metal arc welding, basic body panel repair techniques, fiberglass and plastic parts repair. Mock-up vehicles as well as actual customer work will be utilized. Health and safety practices are promoted.