

COLLISION REPAIR (CRPTI)

Courses

CRPTI-110 INTRODUCTION TO COLLISION REPAIR 6 Credits

Provides a good understanding of the basic operations of a collision repair facility, and the development of safe work habits. The student will understand vehicle design and be familiar with the tools, equipment, and fasteners used in the repair of damaged vehicles.

CRPTI-110A SAFETY & POLLUTION PREVENTION 2 Credits

The orientation and application of tool safety, shop practices, and shop equipment theories. Industry needs and standards will be addressed. Students will gain knowledge of proper use of equipment, tools, and safety that meet or exceed industry standards. Pre-requisite: Must have a valid driver's license and permission from the instructor.

CRPTI-110B MINOR COLLISION REPAIR THEORY/LAB 3 Credits

Basic theory in metal finishing and minor body repair. This includes straightening and prepping sheet metals, the proper use of plastic body fillers, abrasives, sanding techniques and air tools. Remove and install necessary trim and hardware to facilitate repair procedures. Practical application of metal finishing and minor body repair. Pre-requisite: Must have a valid driver's license and permission from the instructor.

CRPTI-110C BASIC COLLISION REPAIR LAB 1 Credit

This course is designed to build a frame-work of basic knowledge to help the student fully understand more advanced units taught later in the program. It provides more lab time for the student to apply basic skills for prepping vehicles for repair. Successful completion of CRPTI-110A and CRPTI-110B are required to take this course.

CRPTI-120 NON-STRUCTURAL REPAIRS I 6 Credits

The student will be able to demonstrate basic metal straightening techniques, proper use of body fillers, correct procedures used to replace, align, and bolt-on body panels, and a knowledge of working with trim and hardware. The student will learn to perform these tasks at industry standard levels.

CRPTI-140 NON-STRUCTURAL REPAIRS II 6 Credits

The student will be able to demonstrate the basic steps used to replace welded and bonded body panels. The student will have a thorough understanding of working with movable glass and its hardware, and be able to create a repair estimate on damaged vehicles.

CRPTI-150 STRUCTURAL REPAIRS I 6 Credits

Analyze structural damage through proper measuring techniques. The student will be able to anchor vehicles to frame equipment and straighten or realign structural members and will perform all welding tasks that are used in collision repair, to industry standards.

CRPTI-190 DIRECTED STUDY IN COLLISION REPAIR 1-6 Credits

Individualized instruction and self-study to meet specific training objectives. Projects are provided to give specialized training for advanced students. Objectives are established with advisor at registration. Credits are earned based on difficulty and scheduled clock hours. A minimum of two hours per week is required for each credit. Final grades are based on effort, project results, and detailed written report of project.

CRPTI-194 INTERNSHIP IN COLLISION REPAIR 1-6 Credits

Individually prescribed instruction and self-study to meet specific training objectives. May be repeated.

CRPTI-210 STRUCTURAL REPAIRS II 6 Credits

Apply knowledge of replacing complete or partial structural members of damaged automobiles. The student will demonstrate how to restore factory corrosion protection, and how to replace and service stationary glass, and passenger restraint systems to industry standards. Pre-requisite: CRPTI-110 or CRPTI-110A and CRPTI-110B and valid driver's license.

CRPTI-210A INTRO TO WELDING FOR COLLISION REPAIR THEORY/LAB 3 Credits

After completing this unit of instruction, the student will be able to apply his/her knowledge of replacing complete or partial structural members using industry approved welding techniques. Prepare students to perform basic welding processes and techniques including the application of mild steel, wire feed welding, automotive sheet metals, basic oxyacetylene, MIG welding, plasma air arc cutting. Students will gain knowledge and proper use of equipment, tools, and safety that meet or exceed industry standards. Pre-requisite: CRPTI-110 or CRPTI-110A and CRPTI-110B and valid driver's license.

CRPTI-210B STRUCTURAL INTEGRITY 3 Credits

Apply knowledge of replacing complete or partial structural members of damaged automobiles. The student will demonstrate how to restore factory corrosion protection, and how to replace and service stationary glass, and passenger restraint systems to industry standards. Pre-requisite: CRPTI-210A and a valid driver's license.

CRPTI-220 MECHANICAL REPAIRS 6 Credits

Provides the basic knowledge to diagnose and replace or repair automotive mechanical systems including, steering and suspension, electrical systems, brake systems, air conditioning and cooling systems, drive trains, fuel, intake and exhaust systems, and passenger restraint systems.

CRPTI-230 REFINISHING I 6 Credits

Properly prepare a vehicle surface for undercoat and topcoat systems, apply knowledge in using and maintaining paint booths, spray guns and related refinishing equipment, and demonstrate proper spraying techniques.

CRPTI-240 REFINISHING II 6 Credits

After completion of this unit of study, the student will be able to properly prepare a vehicle surface for undercoat and topcoat systems, apply knowledge in using and maintaining paint booths, spray guns and related refinishing equipment, and will demonstrate proper spraying techniques. Pre-requisite: CRPTI-110 or CRPTI-110A/CRPTI-110B and valid driver's license.

CRPTI-240A DETAILING AND POLISHING 2 Credits

This course covers the practical application of detailing and polishing fundamentals including that of pre-wash, paint defect identification, exterior polishing, interior renovation, environmental hazards, proper use of detailing equipment and PPE. Gain knowledge of general safety and health practices, including the use of chemicals and detailing products. Pre-requisite: CRPTI-110 or CRPTI-110A and CRPTI-110B, valid driver's license, and permission from the instructor.

CRPTI-240B COLOR MATCHING 4 Credits

After completion of this unit of study, the student will be able to properly prepare a vehicle surface for undercoat and topcoat systems, apply knowledge in using and maintaining paint booths, spray guns and related refinishing equipment, and will demonstrate proper spraying techniques. Pre-requisite: CRPTI-240A valid driver's license, and permission from the instructor.

CRPTI-290 DIRECTED STUDY IN COLLISION REPAIR 1-6 Credits

CRPTI-292 SPECIAL TOPICS IN COLLISION REPAIR 1-6 Credits

CRPTI-294 INTERNSHIP IN COLLISION REPAIR 1-6 Credits

Individually prescribed instruction and self-study to meet specific training objectives. May be repeated.

CRPTI-394 IN: COLLISION REPAIR 1-6 Credits

Individually prescribed instruction and self-study to meet specific training objectives. May be repeated.