

Automotive Technology – Collision

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Automotive Technology – Collision

Available at: Diamond, Laurel, Live, Scarlet

COURSES

Painting and Refinishing

Students will restore and refinish vehicle exterior body and paint finish. Students will inspect and identify substrate, type of finish, surface condition, and film thickness; and develop and execute a plan for refinishing using a total product system. Students will inspect, clean, and determine condition of spray guns and related equipment. Additionally, students will observe safety precautions when using hazardous materials.

Nonstructural Inspection

Students will learn the skills and knowledge of automotive body panel repairs, replacements, and adjustments. Students will analyze, document and repair nonstructural collision damage. Students will remove corrosion protection, undercoating, sealer, and other protective coatings as necessary to perform repairs. Emphasis will be given to joining and cutting aluminum, steel and other metals. Students will maintain tools and facilities while complying with personal and environmental safety practices.

Structural Inspection and Repair

Students will perform automotive collision repair of full and uni-body frames and attach non-structural components. Students will apply the skills and knowledge needed to measure and diagnose structural damage, create a parts list, and determine labor costs. Students will remove and replace damaged structural components. Emphasis will be given to joining and cutting aluminum, steel and other metals. Students will maintain tools and facilities while complying with personal and environmental safety practices.

Electrical and Mechanical Systems

Students will perform inspections and repair electrical and mechanical damage due to collision. Topics include electrical and wiring harness, suspension, braking and cooling system repairs. Students will service supplemental restraint systems (SRS) and ensure the integrity of the systems.

CREDENTIALS YOU CAN EARN

- I-CAR ProLevel 1 Non-Structural
- I-CAR ProLevel 1 Refinishing Technician
- CPR/First Aid

INSTRUCTORS

- Diamond Oaks: Lonnie Marimon – marimonl@greatoaks.com
- Live Oaks: Allen Simpson – simpsona@greatoaks.com
- Laurel Oaks: Brian Wells – wellsbg@greatoaks.com
- Scarlet Oaks: Joshua Sloan – sloanj@greatoaks.com