



Automotive Collision Repair and Refinishing

I470603 – 1400 Hours
Education & Training Cluster

The purpose of this program is to prepare students for employment as automotive body related repairers. The program contents include refinishing skills, sheet metal repair skills, frame and uni-body squaring and aligning, use of fillers, paint systems and undercoats, related welding skills, mechanical skills and other related topics.

There are five (5) Occupational Completion Points where a student may exit the program with varying amounts of proficiency. The length of the total program is 1400 hours.

Laboratory Activities: Laboratory activities are an integral part of this program. These activities include instruction in the use of safety procedures, tools, equipment, materials, and processes related to these occupations. Equipment and supplies should be provided to enhance hands-on experiences for students.

OCP A: Paint and Body Helper - 500 Hours
<ul style="list-style-type: none">• Demonstrate vehicle and industry knowledge, business management and shop and occupational safety skills.• Prepare vehicles for repair and refinishing.• Repair, replace and adjust outer body panels.• Demonstrate mathematics knowledge and skills.• Demonstrate science knowledge and skills.• Use oral and written communication skills in creating, expressing and interpreting information and ideas.• Perform welding operations.• Prepare surfaces for refinishing.• Select and apply appropriate paints and finishes.• Demonstrate language arts knowledge and skills.• Solve problems using critical thinking skills, creativity and innovation.• Demonstrate the importance of health, safety, and environmental management systems in organizations and their importance to organizational performance and regulatory compliance.
OCP B: Auto Collision Estimator - 100 Hours
<ul style="list-style-type: none">• Demonstrate vehicle and industry knowledge, business management, and shop and occupational safety skills.• Prepare vehicles for repair and refinishing.• Use information technology tools.• Describe the importance of professional ethics and legal responsibilities.• Demonstrate personal money-management concepts, procedures, and strategies.

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OCP C: Frame and Body Repairman - 150 Hours

- Demonstrate vehicle and industry knowledge, business management and shop and occupational safety skills.
- Repair, replace and adjust outer body panels.
- Setup vehicle for measuring and pulling.
- Inspect measure and repair unibody vehicles.
- Inspect and repair frame type vehicle bodies.
- Describe the roles within teams, work units, departments, organizations, inter-organizational systems, and the larger environment.
- Demonstrate leadership and teamwork skills needed to accomplish team goals and objectives.
- Explain the importance of employability and entrepreneurship skills

OCP D: Automotive Refinishing- 325 Hours

- Demonstrate Vehicle And Industry Knowledge, Business Management And Shop And Occupational Safety Skills
- Prepare Surfaces For Refinishing
- Select And Apply Appropriate Paints And Finishes
- Maintain And Operate Spray Equipment Finish Defects; Causes And Cures

OCP E: Auto Body Repairer - 325 Hours

- Prepare Vehicles For Repair And Refinishing
- Repair, Replace And Adjust Outer Body Panels
- Perform Welding Operations
- Prepare Metal Parts And Panels For Finishing
- Prepare And Apply Body Fillers
- Perform Miscellaneous Repairs
- Repair Fiberglass And Plastic Components

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