# Auto Collision I Course No. 40300 Credit: 1.0

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| --- | --- | --- | --- |
| **Student name:** |  | **Graduation Date:** |  |

Pathways and CIP Codes:Mobile Equipment Maintenance (47.9999) - Collision Strand

Course Description: A comprehensive, **technical level** course designed to instruct students in the knowledge and skills common to the Auto Collision Industry.

Directions:The following competencies are required for full approval of this course. Check the appropriate number to indicate the level of competency reached for learner evaluation.

**RATING SCALE:**

4. Exemplary Achievement: Student possesses outstanding knowledge, skills or professional attitude.

3. Proficient Achievement:Student demonstrates good knowledge, skills or professional attitude. Requires limited supervision.

2. Limited Achievement:Student demonstrates fragmented knowledge, skills or professional attitude. Requires close supervision.

1. Inadequate Achievement:Student lacks knowledge, skills or professional attitude.

0. No Instruction/Training:Student has not received instruction or training in this area.

## Benchmark 1: Orientation

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 1.1 | Demonstrate first aid and safety. |  |
| 1.2 | Demonstrate proper handling and use of dangerous and hazardous materials. |  |
| 1.3 | Demonstrate proper use, care, and cleaning of tools and equipment. |  |
| 1.4 | Demonstrate knowledge of collision and repair industry. |  |
| 1.5 | Identify auto body and components. |  |
| 1.6 | Identify frame and unibody components. |  |

## Benchmark 2: Cosmetic Panel Repair

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 2.1 | Analyze sheet metal damage. |  |
| 2.2 | Straighten sheet metal panel. |  |
| 2.3 | Demonstrate proper shrinking techniques. |  |
| 2.4 | Demonstrate proper repair procedures for high strength steels. |  |

## Benchmark 3: Welding and Cutting Steel

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 3.1 | Set up and use various welding equipment. |  |
| 3.2 | Set up and use GMAW equipment. |  |
| 3.3 | Set up and use Plasma Arc Torch. |  |

## Benchmark 4: Remove and Install Parts and Assemblies

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 4.1 | Remove and install trim components. |  |
| 4.2 | Remove, install, and adjust bolt panels and assemblies. |  |
| 4.3 | Remove and install glass. |  |
| 4.4 | Remove and install welded bonded panels. |  |

## Benchmark 5: Plastic Repair

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 5.1 | Identify plastic types. |  |
| 5.2 | Use proper repair techniques for plastics. |  |

## Benchmark 6: Sealant and Corrosion Protection

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 6.1 | Display proper selection and application of seam sealers. |  |
| 6.2 | Identify and perform necessary steps to restore corrosion protections. |  |
| 6.3 | Identify and demonstrate proper use of sound deadening materials and foams. |  |

## Benchmark 7: Detailing

### Competencies

| **#** | **Description** | **RATING** |
| --- | --- | --- |
| 7.1 | Prepare vehicle for delivery (clean, vacuum, and apply dressing). |  |
| 7.2 | Perform final vehicle inspection. |  |

I certify that the student has received training in the areas indicated.

Instructor Signature:

For more information, contact:

CTE Pathways Help Desk

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[pathwayshelpdesk@ksde.org](mailto:pathwayshelpdesk@ksde.org)



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