# Automotive Information Course No. 40050 Credit: 0.5

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

Pathways and CIP Codes: Mobile Equipment Maintenance (47.9999) - Collison Strand & Technology Strand I & II

Course Description: **Introductory level** course that provides students with the opportunity to learn practical car maintenance skills. Students will attain basic skills and knowledge needed to own and maintain a vehicle. The students will learn what to consider when buying a car, shopping for car insurance, acquiring a title, etc. (May be offered as a supplemental course in this pathway. This course will count toward 3 minimum high school credits required for pathway approval if taught at the high school level. It will not count as the ONLY Introductory course for this pathway.)

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: Automotive Safety and Tools

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 1.1 | Identifying and safely use automotive tools and equipment. |  |

## Benchmark 2: Electrical Systems

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 2.1 | Check and clean battery terminals, jump start a vehicle, change fuses, headlights, and taillights. |  |

## Benchmark 3: Powertrain and Chassis

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 3.1 | Identify parts and components. |  |
| 3.2 | Identify noises. |  |

## Benchmark 4: Brake Systems

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 4.1 | Identify and inspect brake systems components. |  |

## Benchmark 5: Engine Performance

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 5.1 | Identify idle quality, or engine misfire concerns. |  |

## Benchmark 6: Tires & Steering Alignment

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 6.1 | Inspect tire wear and condition. |  |
| 6.2 | Find correct tire inflation information. |  |
| 6.3 | Check tire air pressure. |  |
| 6.4 | Identify and recognize procedures related to relearning tire pressure monitoring systems. |  |
| 6.5 | Change a tire and/or properly rotate tires. |  |
| 6.6 | Identify concerns that relate to tire balance. |  |
| 6.7 | Visually check for alignment problems. |  |

## Benchmark 7: Fluids

### Competencies

| **#** | **Description** | **RATING** |
| --- | --- | --- |
| 7.1 | Check, identify, and fill fluids, including engine, transmission, brake, power steering, washer, and coolant. |  |

## Benchmark 8: How to Buy a Car

### Competencies

| **#** | **Description** | **RATING** |
| --- | --- | --- |
| 8.1 | Conduct research on vehicle insurance, titles, taxes, mechanical condition, and appearance as it applies to buying a vehicle. |  |

## Benchmark 9: Vehicle Upkeep - Interior and Exterior

### Competencies

| **#** | **Description** | **Rating** |
| --- | --- | --- |
| 9.1 | Demonstrate knowledge of fluids, timing belt, filters, etc. service intervals - including where this information can be found. |  |

## Benchmark 10: Vehicle Upkeep - Interior and Exterior

### Competencies

| **#** | **Description** | **rating** |
| --- | --- | --- |
| 10.1 | Maintain the interior and exterior of their vehicle to keep it in the best condition. |  |

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

Instructor Signature:

For more information, contact:

CTE Pathways Help Desk

(785) 296-4908

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