# Electronic & Electrical Systems II Course No. 40202 Credit: 1.0

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

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

Course Description: A comprehensive, **application level** course designed to provide students with the basic skills needed to inspect, service, and repair electrical circuits and devices. (Prerequisite: Electronic & Electrical Systems I.)

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: Click or tap here to enter text.

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 1.1 | Identify location of Hybrid vehicle high voltage circuit disconnect location and safety procedures. |  |
| 1.2 | Diagnose lighting system problems; inspect, replace, and aim headlights and bulbs. |  |
| 1.3 | Repair or replace sockets, wires, and switches. |  |
| 1.4 | Diagnose and repair gauge, warning, and horn circuits. |  |
| 1.5 | Diagnose and repair wiper, windshield washer, and motor-driven accessory circuits. |  |
| 1.6 | Diagnose and repair heated glass and electric locks. |  |
| 1.7 | Diagnose and repair cruise control systems. |  |
| 1.8 | Diagnose and repair supplemental restraint systems. |  |
| 1.9 | Diagnose and repair radio systems. |  |
| 1.10 | Diagnose and repair keyless entry and anti-theft systems. |  |
| 1.11 | Diagnose body electrical systems with a scan tool. |  |
| 1.12 | Use test equipment to record and diagnose waveforms from electrical sensors and actuators. |  |
| 1.13 | Use a scan tool to check computer network communication systems. |  |

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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