# Diesel Engine Technology Course No. 40218 Credit: 0.5

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

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

Course Description: A comprehensive, **technical level** course to instruct students in the knowledge and skills common to diesel engine operations.

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 | Correctly +B17:I23identify and describe the parts of a diesel internal combustion engine. |  |
| 1.2 | Demonstrate knowledge of air induction systems. |  |
| 1.3 | Demonstrate knowledge of diesel fuel systems. |  |
| 1.4 | Identify and describe operation of diesel exhaust system. |  |
| 1.5 | Locate and describe the operation of diesel engine emission devices. |  |
| 1.6 | Understand and describe diesel engine design and emerging trends. |  |
| 1.7 | A comprehe+B17:I23nsive, **technical level** course to instruct students in the knowledge and skills common to diesel engine operations. |  |

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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