



DIESEL ENGINE REPAIR 47.0613.00

Program Description, Industry Credentials, Coherent Sequence, and Teacher Certification Requirements

PROGRAM DESCRIPTION

The **Diesel Engine Repair** program prepares individuals to apply technical knowledge and skills to repair, service, and maintain diesel engines in vehicles such as automobiles, buses, ships, trucks, railroad locomotives, and construction equipment, as well as, stationary diesel engines in electrical generators and related equipment.

The **Diesel Engine Repair** Career and Technical Education program is delivered as a coherent sequence of courses designed to offer students knowledge and skills that meet the needs of the workplace. The Professional Skills developed by business and industry leaders across Arizona are integrated throughout the program. **Diesel Engine Repair** students develop leadership, social, civic, and career skills through participation in the state-recognized Career and Technical Student Organization, SkillsUSA.

The **Diesel Engine Repair** instructional program prepares students for entry-level employment, further training, and/or postsecondary education for these and other occupations: Diesel Engine Repair

INDUSTRY CREDENTIALS

Review the [Current CTE Credential List](#) for approved A-F CCR and are CTED eligible for the **Diesel Engine Repair** instructional program.

COHERENT SEQUENCE

47.0613.13 - Diesel Engine Repair I, **and**

47.0613.40 – Diesel Engine Repair II, **and**

47.0613.45 - Diesel Engine Repair III, **and program may elect to add:**

47.0613.51 - Diesel Engine Repair IV, **or**

47.0613.72 - Diesel Engine Repair – DCE (Diversified Cooperative Education) **or**

47.0613.77 - Diesel Engine Repair - Internship, **or**

47.0613.82 - Diesel Engine Repair – Cooperative Education



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TEACHER CERTIFICATION REQUIREMENTS

The instructor must be ADE/CTE certified in one of the following Certificates:

- SCTIET** Standard Career and Technical Education Industrial and Emerging Technologies
- SSCTEIET** Standard Specialized Career and Technical Education Industrial and Emerging Technologies

- Note:
- Diesel Engine Repair 47.0613.70 (DCE) requires a CTE Teacher to have the Cooperative Education Endorsement (CEN).
 - Diesel Engine Repair 47.0613.75 (Internship) **does not** require a CTE Teacher to have a Cooperative Education Endorsement (CEN).
 - Diesel Engine Repair 47.0613.80 (Cooperative Ed.) requires CTE Teacher to be appropriately certified for the program and to have a Cooperative Education Endorsement (CEN).



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