

AUTOMOTIVE SERVICE EXCELLENCE (ASE)-DIESEL TECHNICIAN: HEAVY DUTY (HD) DIESEL ENGINES, SC

PSLO1: Analyze and apply the proper heavy duty diesel engines diagnoses, rebuild, and repair procedures.

PSLO2: Identify, test, and interpret failed heavy duty diesel engine components, and apply appropriate repair strategies.

PSLO3: Analyze and apply appropriate workplace skills and tools, including the application of personal and mechanical safety measures in the workplace.

Program Description

The Skills Certificate, Automotive Service Excellence (ASE) Diesel Technician, Heavy Duty Diesel Engines will prepare students for entry-level positions as diesel technicians for heavy duty diesel engines. Students will diagnose, adjust, and repair heavy duty diesel engines. The heavy duty diesel engines skills certificate will help prepare students to take the ASE- Diesel Engines (T2) exam. Students must pass all coursework with a score of 70% or higher.

This program is not eligible for financial aid. However, it may be eligible for scholarship funding if the student is awarded scholarships.

Recommended Course Schedule

| 1st semester | | Units |
|----------------|-------------------------------------|-------|
| DT 100 | Introduction to Diesel Technologies | 2 |
| DT 101 | Basic Diesel Engines | 4 |
| DT 210 | Advanced Diesel Engines | 4 |
| DT 217 | Electronic Diesel Fuel Injection | 4 |
| Semester Total | | 14 |
| Total Units | | 14 |

Program Requirements

Skills Certificates can consist of a single course or a short set of courses that provide training for entry-level positions or career advancement. These short-term certificates may also prepare students to take state, national and/or industry-recognized certifications or licensing exams.

Skills certificates are awarded upon completion of coursework and marked on a student's transcripts at the end of the semester. Students cannot declare a skills certificate as one's major. Skills Certificates are not eligible for Financial Aid.

To earn a skills certificate, students must:

1. Maintain a minimum cumulative GPA of 2.0.
2. Have no financial or library obligation to the college.

| Code | Title | Units |
|-------------------------|-------------------------------------|-------|
| Certificate Requirement | | |
| DT 100 | Introduction to Diesel Technologies | 2 |
| DT 101 | Basic Diesel Engines | 4 |
| DT 210 | Advanced Diesel Engines | 4 |
| DT 217 | Electronic Diesel Fuel Injection | 4 |
| Total Units | | 14 |

Program Outcomes

Students completing the certificate will: