

AUTOMOTIVE SERVICE EXCELLENCE (ASE)-DIESEL TECHNICIAN: ELECTRICAL, SC

Program Description

The Diesel Technician, Electrical Skills certificate prepares students for entry-level positions as diesel technicians for medium-heavy duty truck electrical systems. Students will diagnose, adjust and repair electrical systems, components and circuits on medium-heavy duty vehicles. The Electrical skills certificate will help prepare the students for the ASE electrical (T6) exam. This exam is part of the ASE T-series Medium-Heavy Duty Truck Certification Tests, and eight-part series that may lead to a master medium-heavy truck technician status. Students must pass all course work 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 102 | Basic Heavy Duty Electrical Systems | 4 |
| DT 110 | Heavy Duty Electrical Systems | 3 |
| Semester Total | | 9 |
| Total Units | | 9 |

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 102 | Basic Heavy Duty Electrical Systems | 4 |
| DT 110 | Heavy Duty Electrical Systems | 3 |
| Total Units | | 9 |

Program Outcomes

Students completing the certificate will:

PSLO1: Analyze and apply the proper heavy-medium duty electrical components, diagnosis, rebuild, and repair procedures.

PSLO2: Identify, test, and interpret failed heavy-heavy duty electrical 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.