

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

Program Description

This skills certificate will prepare students diagnose, adjust, and repair heavy equipment electrical. The diesel equipment technician, heavy equipment electrical skills certificate will help prepare students to gain entry-level employment as heavy equipment electrical technicians. 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 102	Basic Heavy Duty Electrical Systems	4
DT 115	Diesel/Heavy Equipment Electrical Systems	4
DT 117	Advanced Diesel/Heavy Equipment Electronics	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 Requirements		
DT 100	Introduction to Diesel Technologies	2
DT 102	Basic Heavy Duty Electrical Systems	4
DT 115	Diesel/Heavy Equipment Electrical Systems	4
DT 117	Advanced Diesel/Heavy Equipment Electronics	4
Total Units		14

Program Outcomes

Students completing the certificate will:

PSLO1: Analyze and apply the proper heavy equipment electrical systems diagnoses, rebuild, and repair procedures.

PSLO2: Identify, test, and interpret failed heavy equipment 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.