

AUTOMOTIVE SERVICE EXCELLENCE (ASE)-DIESEL TECHNICIAN: HEAVY DUTY POWER TRAINS, SC

Program Description

The Automotive Service Excellence (ASE) Diesel Technician, Heavy Duty Power Trains Skills Certificate prepares students for entry-level positions as diesel technicians for medium-heavy truck drive trains. Students will diagnose, adjust and repair heavy duty transmission and power train components and equipment. The heavy duty power trains skills certificate will help prepare students to take the ASE Drive Train (T3) exam. This exam is part of the ASE T-Series Medium-Heavy Truck Certification Tests, a six-part series that may lead to a master medium-heavy truck technician status. 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 106	Heavy Duty Transmissions and Power Trains	4
DT 107	Heavy Duty Automatic Transmissions and Drive Trains	4
DT 235	Steering and Suspension	2
Semester Total		12
Total Units		12

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 106	Heavy Duty Transmissions and Power Trains	4
DT 107	Heavy Duty Automatic Transmissions and Drive Trains	4

DT 235	Steering and Suspension	2
Total Units		12

Program Outcomes

Students completing the certificate will:

PSLO1: Analyze and apply the proper heavy duty drive and power train components, diagnosis, rebuild, and repair procedures.

PSLO2: Identify, test, and interpret failed heavy duty drive and power train 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.