

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

## Program Description

The Diesel Technician, Basic Skills certificate prepares students for entry-level positions as diesel technicians for medium-heavy duty truck repairs. Students will diagnose, adjust and repair medium-heavy duty systems, components, and circuits on medium-heavy duty vehicles.

The Basic Skills Certificate will help prepare the students for the ASE brakes (T4) exam and the Preventive Maintenance Inspection Exam (T8). These exams are part of the ASE T-series Medium-Heavy Duty Truck Certification Tests, an eight-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 105	Mobile Heating and Air Conditioning	3
DT 130	Heavy Duty Hydraulics	3
DT 201	Diesel Brakes and Pneumatics	3
DT 250	Preventive Maintenance	2
<b>Semester Total</b>		<b>13</b>
<b>Total Units</b>		<b>13</b>

## 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
<b>Certificate Requirement</b>		
DT 100	Introduction to Diesel Technologies	2
DT 105	Mobile Heating and Air Conditioning	3
DT 130	Heavy Duty Hydraulics	3
DT 201	Diesel Brakes and Pneumatics	3
DT 250	Preventive Maintenance	2
<b>Total Units</b>		<b>13</b>

## Program Outcomes

Students completing the certificate will:

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

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