

# LIGHT DUTY DIESEL ENGINES, SC

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, Light Duty Diesel Engines, will prepare students for entry-level positions as diesel technicians for light duty diesel engines and serve as a personal interest class for other than professional mechanics. Cummins, Duramax, and Powerstroke engine platforms will be used along with an introduction to modifications to produce power. Students will diagnose, adjust, and repair light duty diesel engines. The light duty diesel engines skills certificate will help prepare students to take the ASE- Medium-Heavy Truck T-2 Diesel Engine Certification 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

### Freshman

1st semester		Units
DT 103	Light Duty Diesel Engines	4
DT 211	Light Duty Performance	2
<b>Semester Total</b>		<b>6</b>
<b>Total Units</b>		<b>6</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
DT 103	Light Duty Diesel Engines	4
DT 211	Light Duty Performance	2
<b>Total Units</b>		<b>6</b>

## Program Outcomes

Students completing the certificate will:

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

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