

DIESEL TECHNOLOGY – Diesel Engine Specialist (Short-term Certificate)

Program Purpose

The purpose of the Diesel Technology program is to prepare individuals to apply technical knowledge and skills to repair, service, and maintain diesel engines in vehicles such as automobiles, buses, ships, trucks, railroad locomotives, and construction equipment; as well as stationary diesel engines in electrical generators and related equipment.

Occupational Data

Graduates in the diesel technology program can be employed as diesel technicians in the automotive or transportation industries. Employment for diesel technicians is projected to grow by 8% from 2020 to 2030. The median pay for diesel technicians is \$48,960 per year or \$23.41 per hour) according to the Occupational Outlook Handbook 2021.

Program Outcome Objectives

- Program graduates will be proficient in communication, computation, and interpersonal skills.
- Program graduates will be technically proficient.
- Program graduates will be able to obtain industry certification.
- Program graduates will be successfully employed in the field.
- Employers of program graduates will be satisfied with their education and training.

Admissions Requirements

Applicants to this program must complete the application procedures. While a high school diploma, in accordance with ACCS Board of Trustees Policy or GED is the preferred entry requirement, applicants who did not receive a high school diploma or GED may be admitted provided they are 16 years of age, have been out of school for one year (or upon recommendation of the local superintendent), and they must demonstrate ability-to-benefit (ATB) on a standardized, federally approved entrance test. Applicants admitted under ATB provision must obtain the GED prior to graduation.

Diesel Technology-Diesel Engine Specialist

MINIMUM CREDITS REQUIRED: 28 Semester Credit Hours

LENGTH OF PROGRAM: 2 Semester of full-time attendance

GENERAL EDUCATION CORE: 1 Semester Credit Hour			Theory	Lab	Contact	Credit
ORT 100		Orientation OR	1	0	1	1
ORI 101		Orientation to College				
TECHNICAL CONCENTRATION: 27 Semester Credit Hours						
DEM 104		Basic Engines	1	2	7	3
DEM 105		Preventative Maintenance	1	2	7	3
DEM 170		Heavy Vehicle Air Brakes	1	2	7	3
DEM 123		Pneumatics and Hydraulics	1	2	7	3
DEM 124		Electronic Engine Systems	1	2	7	3
DEM 135		Heavy Vehicle Steering and Suspension System	1	2	7	3
DEM 127		Fuel Systems	1	2	7	3
DEM 130		Electrical/Electronic Fundamentals	1	2	7	3
DEM 136		Trailer Electrical Systems	1	2	7	3

