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 ORI 101		Orientation OR Orientation to College	1	0	1	1
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

GENERAL EDUCATION CORE: 1 Semester Credit Hour			Theory	Lab	Contact	Credit
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