

Certificate of Achievement – Diesel Technology

Professional Skills and Career Paths

Entry level Diesel Technician, Parts Professional, Lubrication Technician, Auto/Diesel Technician, Entry level Heavy Equipment Technician, Entry level Diesel Engine Technician, Entry level Hydraulic Technician.

Student Learning Outcomes

The Diesel Technology Certificate of Achievement Program is designed for the student who desires a highly technical and challenging field.

Because of the intensity of the program, students will be very close to AAS degree completion and are encouraged to pursue the degree.

Graduates of the Diesel Technology certificate program will have the knowledge and skills to:

- Analyze and solve problems related to heavy equipment operation.
- Identify diesel engine design and maintain, repair, and troubleshoot them.
- Demonstrate proper use of tools related to the repair and maintenance of heavy equipment.
- Identify, repair, and maintain mobile equipment with hydraulic systems.
- Perform safely in the work environment, meeting and obeying all workplace safety requirements.

Formal admission to this program is required. Refer to page 86 for an outline of admission standards.

General Education Requirements	Credits
English/Communications. Determined by placement testing	3
ENG 100, 101, 103, or 107	
Computation — Any course with a MATH prefix	3
Human Relations	
BUS 110 (recommended)	1-3

Program Requirements	Credits
DT 100 Shop Practices.....	2
DT 101 Basic Diesel Engines	4
DT 102 Basic Vehicle Electronics	8
DT 105 Mobile Air Conditioning	2
DT 106 Heavy Equipment Transmission and Power Train.....	7.5
DT 201 Diesel Brakes and Pneumatics	2.5
DT 215 Electronic Diesel Engines.....	8
IT 208 Fluid Power	8

WELD 136	Welding for the Maintenance Technician I.....	3
WELD 235	Welding for the Maintenance Technician II	3

SUGGESTED COURSE SEQUENCE Certificate of Achievement— Diesel Technology

FALL—1st Semester	Credits
DT 100	2
DT 101	4
DT 102	8
DT 215	8
WELD 136	3
COMPUTATION*	3
ENGLISH*	3
HUMAN RELATIONS*	1-3
TOTAL	32-34

SPRING—2nd Semester	Credits
DT 105	2
DT 106	7.5
DT 201	2.5
IT 208	8
WELD 235	3
TOTAL	23.5

Refer to page 85. Minimum Credits: 55.5