DIESEL HEAVY EQUIPMENT MAINTENANCE TECHNICIAN 31 Credits

CERTIFICATE OF ACHIEVEMENT

The Diesel/Heavy Equipment program prepares students to enter the workforce as technicians to maintain, diagnose, and repair heavy equipment. Students will learn diesel engine and propulsion systems, fuel management systems, related accessory components, as well as hydraulics, welding certifications, and HVAC certifications. All students will be prepared to take ASE certification exams at the completion of the appropriate course. Integral to this program is a paid internship component, allowing students to gain valuable work experience prior to completion of their program, making them more employable.

STUDENT LEARNING OUTCOMES – *Graduates of this program will have the opportunity to:*

- Prepare for employment in the Diesel Technology Industry as a Maintenance Technician.
- Successfully pass the AWS D1.1 mild steel horizontal welding certification.
- Successfully pass the IMACA refrigerant handling certification.
- Successfully pass the SP2 safety and pollution prevention certification.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3	_____

SPECIAL PROGRAM REQUIREMENTS (28) Credits):

		CR	SEMESTER
DT 104	Diesel Equipment Service	4	_____
DT 115	Diesel/Heavy Equipment Electrical Systems	4	_____
DT 136	Diesel Engine Repair I	4	_____
DT 165	Diesel/Heavy Equipment Heating and Air Conditioning	4	_____
DT 295	Internship Co-Op I	2	_____
DT 296	Internship Co-Op II	2	_____
MT 108B	Fluid Power (PNE, HYD, INST)	4	_____
MTL 223B	Special Topics in Welding Technology	4	_____

Computation included in DT 115

Human Relations included in DT 295

31
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.