

**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 |
|---|----|----------|
| <b>COMMUNICATIONS:</b><br>BUS 108, COM 101, 102, 215,<br>ENG 100, 101, 102, 107, 113,<br>114, 205, JOUR 102, THTR 105 | 3  | _____    |

**SPECIAL PROGRAM REQUIREMENTS (28) Credits:**

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

**31**  
Total Credits

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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.