

Diesel Heavy Equipment Maintenance Technician

CERTIFICATE OF ACHIEVEMENT (CoA)

REQUIRED CREDITS: 31

DEGREE CODE: DLS-CT

DESCRIPTION

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 and HVAC. 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

- Prepare for employment in the Diesel Technology Industry as a Maintenance Technician.
- Prepare to take the following ASE/NATEF certification Exams: ASE T4, ASE T6, and ASE T7.
- Pass the IMACA refrigerant handling certification.
- Pass the SP2 safety and pollution prevention certification.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

COMMUNICATIONS (3-5 credits)

Recommended: COM 115 Applied Communication

SPECIAL PROGRAM REQUIREMENTS (28 CREDITS)

DT 104	Diesel Equipment Service	4
DT 115	Diesel/Heavy Equipment Electrical Systems	4
DT 117	Advanced Diesel/Heavy Equipment Electronics	4
DT 136	Diesel Engine Repair I	4
DT 145	Diesel Brake Systems	4
DT 150B	Diesel Hydraulics	4
DT 165	Diesel/Heavy Equipment Heating and Air Conditioning	4

Computation included in DT 115

Human Relations included in DT 104

FULL-TIME STUDENT DEGREE PLAN

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
COM 115 Applied Communication	3
DT 104 Diesel Equipment Service	4
DT 115 Diesel/Heavy Equipment Electrical Systems ¹	4
DT 117 Advanced Diesel/Heavy Equipment Electronics ²	4
TOTAL CREDITS	15
SECOND SEMESTER	Credits
DT 136 Diesel Engine Repair I	4
DT 145 Diesel Brake System	4
DT 150B Diesel Hydraulics	4
DT 165 Diesel Heavy Equipment Heating and Air Conditioning	4
TOTAL CREDITS	16
DEGREE PLAN TOTAL CREDITS	31

¹Prerequisite DT 104. Contact Department of Applied Technologies to receive permission to complete these courses in the same semester.

²Prerequisite DT 115 or Instructor Approval Contact the Department of Applied Technologies to receive permission to complete these courses in the same semester.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.

