DESCRIPTION
The Diesel/Heavy Equipment program prepares students to enter the workforce as technicians to maintain, diagnose, and repair heavy equipment. The program focuses both on over the road trucks as well as diesel powered heavy equipment typically used in the construction industry. Students will learn diesel engine and propulsion systems, fuel management systems, related accessory components, hydraulics, and HVAC. All students will be prepared to take ASE certification exams at the completion of the appropriate course.

STUDENT LEARNING OUTCOMES
• Prepare for employment in the Diesel Technology Industry as a Certified Technician.
• Prepare to take the following ASE/NATEF certification exams: ASE T2, ASE T3, ASE T4, ASE T5, ASE T6, ASE T7.
• Prepare for 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 (22 CREDITS)

MATHEMATICS (3 credits)
Recommended: MATH 104B Applied Mathematics

ENGLISH COMPOSITION (3-5 credits)
Recommended: ENG 107 Technical Communications I

COMMUNICATIONS (3 credits)
Recommended: COM 115 Applied Communication

HUMAN RELATIONS (3 credits)
Recommended: ALS 101 College Success

NATURAL SCIENCE (3 credits)
Recommended: AST 101 General Astronomy

FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)
Recommended: COM 101 Oral Communication

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
Recommended: PSC 101 Introduction to American Politics

SPECIAL PROGRAM REQUIREMENTS (40 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 138 Diesel Engine Repair II 4
DT 145 Diesel Brake Systems 4
DT 150B Diesel Hydraulics 4
DT 155 Steering, Suspension and Directional Controls 4
DT 165 Diesel/Heavy Equipment Heating and Air Conditioning 4
DT 205 Diesel/Heavy Equipment Drive Train and Axles 4

FULL-TIME STUDENT DEGREE PLAN
Add more semesters to modify this plan to fit part-time student needs.

FIRST SEMESTER Credits
MATH 104B Applied Mathematics 3
ALS 101 College Success 3
DT 104 Diesel Equipment Service 4
DT 115 Diesel/Heavy Equipment Electrical Systems 4
DT 117 Advanced Diesel/Heavy Equipment Electronics 2
TOTAL CREDITS.......................................................... 18

SECOND SEMESTER Credits
ENG 107 Technical Communications I 3
DT 136 Diesel Engine Repair I 4
DT 138 Diesel Engine Repair II 4
DT 165 Diesel Heavy Equipment Heating and Air Conditioning 4
TOTAL CREDITS.......................................................... 15

THIRD SEMESTER Credits
COM 115 Applied Communication 3
AST 101 General Astronomy 3
DT 145 Diesel Brake Systems 4
DT 155 Steering, suspension and Directional Controls 4
TOTAL CREDITS.......................................................... 14

FOURTH SEMESTER Credits
COM 101 Oral Communication 3
PSC 101 Introduction to American Politics 4
DT 150B Diesel Hydraulics 4
DT 205 Diesel/Heavy Equipment Drive Train and Axles 4
TOTAL CREDITS.......................................................... 15

DEGREE PLAN TOTAL CREDITS........................................... 62

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.
3Prerequisite DT 136 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.