

The **Diesel Technology** program provides an opportunity for students to learn techniques and develop skills necessary for them to acquire a job or to advance in a job as a diesel/ heavy equipment technician or a related field. This program is intended to give students basic knowledge with actual hand-on activities. Helping students understand how to apply theory to an actual on-the-job situation and helping them gain the confidence to take on larger and more complex tasks and be successful are important to the mission of the Diesel Technology program. The program also strives to partner with the community to meet the needs of local business and industry. Specialized training is developed on request and as time permits, in order to help employees improve their skills.

Degree Requirements

Freshman Year - Fall Semester

▪ AUTO 1765 - Automotive Electrical Systems I	Credits: 3	
▪ AUTO 1766 - Automotive Electrical Systems II	Credits: 3	
▪ AUTO 1770 - Automotive Electronics	Credits: 3	
▪ DESL 1595 - Diesel Fundamentals	Credits: 3	
▪ DESL 1625 - Diesel Engine Management I	Credits: 3	
▪ DESL 1635 - Diesel Engine Management II	Credits: 3	
▪ Choose Electives	Credits: 3-6	Subtotal: 21-24

Freshman Year - Fall Semester Notes: Program Electives can be chosen from DESL 1590, DESL 1685, DESL 1705, INDM 1570, INDM 1580, and INDM 1585.

Freshman Year - Spring Semester

▪ DESL 1600 - Diesel Engines	Credits: 6	
▪ AUTO 1760 - Heating and Air Conditioning	Credits: 3	
▪ Choose Electives	Credits: 6-9	Subtotal: 15-18

Freshman Year - Spring Semester Notes: See program electives listed under Freshman Year - Fall Semester Notes.

Sophomore Year - Fall Semester

▪ ENGL 1010 - English Composition I	Credits: 3	
▪ POLS 1000 - US & Wyoming Constitution	Credits: 3	
▪ CMAP 1200 - Computer Information Systems	Credits: 3	
▪ TECH 1600 - Industrial Safety	Credits: 3	Subtotal: 12

Sophomore Year - Fall Semester Notes: US & Wyoming Constitution can be fulfilled by completing; HIST 1211, HIST 1221, HIST 1251, or POLS 1000. In addition to ENGL 1010, students may be required to also take ENGL 1011 (2 credits) due to placement, adding 2 additional credits to their graduation total.

Sophomore Year - Spring Semester

▪ MATH 1000 - Problem Solving	Credits: 3	
▪ ENGL 1020 - English Composition II	Credits: 3	
▪ WELD 1715 - Oxyacetylene Cutting	Credits: 1	
▪ WELD 1760 - Adv. Shield Metal Arc Welding	Credits: 3	
▪ WELC 1755 - Shielded Metal Arc Welding	Credits: 3	Subtotal: 13

Total Credit Hours: 64

All courses in the Technology and Industry Prefixes (AUTO, DESL, INDM, TECH, and WELD) must be completed with a "C" or better to earn the Diesel and Heavy Equipment Technology degree.