

Industrial Maintenance Technology, A.A.S.

The **Industrial Maintenance** program offers both the A.A.S. degree and a number of certificates (see requirements for the A.A.S. degree programs). The Industrial Maintenance certificates allow options in Hydraulics or Welding. The program offers additional certificates in surface maintenance mechanics, underground mechanics and a certificate for apprentice power plant mechanics. After completing the required courses listed, the student may apply and receive a certificate. After completing the required credits and all degree requirements the student may apply to receive an A.A.S. degree.

Degree Requirements

Freshman Year - Fall Semester

▪ INDM 1510 - Industrial Mechanics I	Credits: 3	
▪ INDM 1520 - Industrial Mechanics II	Credits: 3	
▪ INDM 1530 - Industrial Mechanics III	Credits: 3	
▪ CMAP 1200 - Computer Information Systems	Credits: 3	
▪ PHYS 1050 - Concepts of Physics	Credits: 4	
▪ HMDV 1005 - 1st Year Success	Credits: 1	<i>Subtotal: 17</i>

Freshman Year - Fall Semester Notes: PHYS 1050 can be replaced with college level math course.

Freshman Year - Spring Semester

▪ INDM 1540 - Industrial Mechanics IV	Credits: 3	
▪ INDM 1550 - Industrial Mechanics V	Credits: 3	
▪ INDM 1560 - Preventive Maintenance	Credits: 3	
▪ MCH 2740 - Machine Tool Processes I	Credits: 4	
▪ ENGL 1010 - English Composition I	Credits: 3	<i>Subtotal: 16</i>

Freshman Year - Spring Semester Notes: MCH 2740 can be replaced by a course from the following prefixes: AUTO, CMPT, DESL, ELTR, INDM, MCH, MINE, OGPT, TECH, or WELD. 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 - Fall Semester

▪ INDM 1590 - Industrial Pneumatics	Credits: 3	
▪ WELD 1755 - Shielded Metal Arc Welding	Credits: 3	
▪ WELD 1760 - Advanced Shield Metal Arc Welding	Credits: 3	
▪ TECH 1600 - Industrial Safety	Credits: 3	
▪ ENGL 2005 - Writing in Technology and the Sciences	Credits: 3	<i>Subtotal: 15</i>

Sophomore Year - Fall Semester Notes: Students with formal industrial safety training, (MSHA, OSHA, etc.) may be granted equivalency for TECH 1600 by their advisor. ENGL 2005 may be replaced with ENGL 1020.

Sophomore Year - Spring Semester

▪ INDM 1570 - Industrial Hydraulics I (Fluid Power)	Credits: 3	
▪ INDM 1580 - Industrial Hydraulics II (Fluid Power)	Credits: 3	
▪ INDM 1585 - Industrial Hydraulics III	Credits: 3	
▪ WELD 1840 - Groove Welding Plate	Credits: 3	
▪ WELD 2515 - Pipe Weld I	Credits: 3	
▪ US & Wyoming Constitution	Credits: 3	<i>Subtotal: 18</i>

Sophomore Year - Spring Semester Notes: US & Wyoming Constitution can be fulfilled by HIST 1211, HIST 1221, HIST 1251, or POLS 1000.

Total Credit Hours: 66