

WELD-135, and WELD-136. Corequisites: WELD-204, WELD-206, WELD-207. Offered: Fall & Spring.

WELD-206 Intermediate Metal Fabrication I 3 cr.
Introduction to general layout and fabrication techniques as related to structural welding. Emphasis on structural metal materials and how they are employed to build objects used in industry. Prerequisites: WELD-133, WELD-134, WELD-135, and WELD-136. Corequisites: WELD-204, WELD-205, WELD-207. Offered: Fall & Spring.

WELD-207 Intermediate Metal Fabrication II 4 cr.
A continuation of Intermediate Metal Fabrication I. With an emphasis on methods of metal production, metal properties, and properly choosing of materials to construct metal fabrication products. Prerequisites: WELD-133, WELD-134, WELD-135, and WELD-136. Corequisites: WELD-204, WELD-205, WELD-206. Offered: Fall & Spring.

WELD-208 Advanced 2-G/5-G Pipe Welding 3 cr.
A continuation of Pipe Welding. The 2-G and 5-G positions will be covered utilizing both the Shielded Metal Arc Welding and Tig welding processes. Theory and practice in modern welding methods of pressure pipe lines and piping systems will be covered. Prerequisites: WELD-204, WELD-205, WELD-206, and WELD-207. Corequisites: WELD-209, WELD-217, WELD-218, WELD 229 Offered: Fall & Spring.

WELD-209 Advanced 6-G Pipe Welding 3 cr.
Emphasis on pipe welding techniques in the 6-G position using both TIG and SMAW welding processes. Theory and practice will be covered in modern methods of pressure piping systems. Prerequisites: WELD-204 WELD-205 WELD-206 WELD-207. Corequisites: WELD-208, WELD-217, WELD-218. WELD 229. Offered: Fall & Spring.

WELD-211 Welding Related Metallurgy 3 cr.
Familiarizes students with methods of metal production, metal properties, ASME weld testing, heat treatment of metals, and special welding applications. Offered: Fall & Summer.

WELD-217 Pipe Fabrication & Layout I 4 cr.
Designed to correlate the several related courses of the program of study. Major emphasis given to special assignments which require students to apply his/her knowledge of fabrication and layout methods in construction principles using pipe. Prerequisites: WELD-204, WELD-205, WELD-206, and WELD-207. Corequisites: WELD-208, WELD-209, WELD-218, WELD 229. Offered: Fall & Spring.

WELD-218 Pipe Fabrication & Layout II 4 cr.
A continuation of Pipe Fabrication and Layout I. Emphasis on construction techniques using a variety of joint designs in the piping industry will be covered. Prerequisites: WELD-204, WELD-205, WELD-206, and WELD-207. Corequisites: WELD-208, WELD-209, WELD-217, WELD-229. Offered: Fall & Spring.

WELD-229 Template Theory & Construction 3 cr.
Stresses template development for the use of structural steel shapes in power plant construction and maintenance, oil equipment fabrication and industrial piping systems. Corequisites: WELD-208, WELD-209, WELD-217, WELD-218 Offered: Spring & Summer.

WELL CONTROL

WELL-112 Well Service/Work-Over 7 cr.

WELL-115 WC Drilling Comp WO 3 cr.
Well control training for drilling, workover and/or completion personnel. This course will award 2 year IADC Wellcap Supervisory level certification. Offered: All. Faculty Permission Required.

WELL-116 Introduction to Oil and Gas 1 cr.
This course will introduce students to the basics of the oil and gas industry. Offered: All.

