

INDM104W : Industrial Welding and Cutting Operations

Industrial Welding and Cutting Operations uses a mixture of theory classes and practical laboratory exercises to safely teach students the basics of industrial arc welding and industrial cutting. Students practice all-position welding on carbon steel using various processes, such as shielded metal arc welding (SMAW), gas metal arc welding (GMAW), and flux core arc welding (FCAW) with electrodes commonly used in industry. The industrial cutting operations include plasma arc cutting and gouging, carbon arc gouging, oxy-fuel cutting and gouging, and saw cutting. The course places special emphasis on cutting safety and on techniques specific to industrial settings, including the removal of nuts from bolts by gouging. This course prepares students for Advanced Industrial Welding Processes.

Lecture Hours 1

Lab Hours 12

Credits 7

Co-Requisite Courses

INDM102W

INDM106W

INDM122W

INDM124W