

MDT 271: Structural and Weld Design

This course covers the design concepts of structural steel beams and welding techniques. The topics covered are the symbols, types of beams, sizing, joining, bill of materials, beam drawing techniques, scaling, beam details, welding concepts, welding symbols, and welding applications. The student will be able to design and to draw the necessary beam structural to support a load according to specifications and will be able to read and to design the weld type and size.

Credits: 3

Lab Hours: 2

Theory Hours: 2

Prerequisites:

MDT 105

Program: Mechanical Design Technology