

Welding

The following matrix indicates those courses deemed transferable among institutions listed across the top of the matrix. The

MFGT

bend-tests. Oxyacetylene Cutting (OFC-

and Oxyacetylene cutting (OFW-A).

WELD 213 Fabrication Welding

This course provides skill to produce welds on carbon steel pipe using Gas Tungsten Arc Welding (GTAW) for the root pass and Shielded Metal Arc Welding (SMAW) for the fill and cover passes. Carbon steel plate (unlimited thickness) is welded using Flux Cored Arc Welding and Shielding Metal Arc Welding (SMAW) to American Welding Society (AWS) certification code. Fabrication projects will be made using Robotic Welding, Press Brake Forming, CNC Plasma Cutting, Shearing, and Punching. Fixtures will be designed and used. Submerged Arc Welding (SAW), Gas Tungsten Arc Welding (GTAW), Hard surfacing, Plastic Welding, Cast Iron Welding, Carbon Arc Cutting (CAC-C) and Oxyacetylene (OFW-A) will be used. Students in this lab will do 60% fabrication.

The following individuals are liaisons for this discipline. Those marked with an asterisk (*) are chairs.

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