

Welding

The Welding Technology program at MSU-Northern is a nine month certificate program that prepares you for a successful employment in a variety of settings. As a welding school that integrates practical experience with welding theory, the program helps you build skills and knowledge that will give you an edge with employers.

Mission Statement

The mission of the Welding Technology program at MSU-Northern is to prepare students for successful employment in a variety of settings related to welding.

Learning Outcomes for Welding Technology, CAS

Upon completion of this program, students will be able to:

- Demonstrate safe use and care of welding equipment.
- Demonstrate foundational knowledge of oxy-acetylene gas welding and electric arc welding principles and practices.
- Demonstrate proper set-up and use of Gas Metal Arc, Flux Core Arc, and Gas Tungsten Arc Welding processes.
- Understand basic metallurgy.

Pass weld plate qualification test according to AWS D1.1

Certificate of Applied Science Welding Technology

First Year

Fall		Credits
DDSN 119	Technical Graphics I	3
WLDG 110	Welding Theory I	2
WLDG 111	Welding Theory I Practical	2
WLDG 114	Mig/Tig Welding	3
WLDG 195	Practicum: Welding	3
Elective		3
Term Credits		16
Spring		
COMX 111 or COMX 115	Intro to Public Speaking or Intro to Interpersonal Communc	3
WLDG 180	Shielded Metal Arc Welding	3
WLDG 186	Welding Qual Test Prep w/Lab	3
WLDG 195	Practicum: Welding	3
WLDG 260	Repair Maintenance Welding	3
Term Credits		15
Total Credits		31