

Plumber/Pipefitter

Plumber/Pipefitters degree is a blend of Northern's Welding Certificate & Plumbing Technology programs. In two years' time, our Pipefitter graduates will have earned a Certificate in Welding Technology plus an Associates of Applied Science in Plumbing/Pipefitting. This opens the door to a wide variety of employment opportunities in welding, machining, plumbing, pipe line welding, refinery welding, manufacturing, and welding fabrication.

Mission Statement

The mission of the Plumer/Pipefitter program at MSU-Northern is to prepare students for successful employment in a variety of settings related to the field of Plumbing & Pipe fitting.

Learning Outcomes for Plumbing Technology, AAS

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

- Operate pipe trades tools & equipment
- Perform plumbing math and layout work for the installation of plumbing systems
- Perform plumbing joint making processes
- Perform plan reading and plumbing drafting
- Perform plumbing work in compliance with current Uniform Plumbing Codes
- Enter into the field of plumbing as an apprentice plumber

Associate of Applied Science

Code	Title	Credits
Required Courses		
CAPP 120 or CAPP 151	Introduction to Computers MS Office	3
DDSN 119	Technical Graphics I	3
PLUM 100	Intro to the Plumbing Trades	4
WLDG 110	Welding Theory I	2
WLDG 111	Welding Theory I Practical	2
WLDG 114	Mig/Tig Welding	3
CSTN 135	Basic Rigging	1
IT 111	Industrial Safety/Waste Mgmt	2
PLUM 170	Plumbing Codes	2
WLDG 180	Shielded Metal Arc Welding	3
MCH 200	Machining	3
PLUM 120	Intro to Piping Systems	3
COMX 111 or COMX 115	Intro to Public Speaking Intro to Interpersonal Communc	3
WLDG 260	Repair & Maintenance Welding	3
PLUM 200	Pipe Fitting Tools & Motor Eq	3
PLUM 210	Advanced Blueprint Reading	2
PLUM 230	Hngrs, Supports, & Fld Testing	2
M 105	Contemporary Mathematics	3
PLUM 110	Intro to Plumbing and Drawing	1
WLDG 195	Practicum: Welding	3
WLDG 186	Welding Qual Test Prep w/Lab	3
PLUM 250	Special Piping	3
PLUM 270	Hydronic Heating & Cooling Sys	2
WRIT 122 or WRIT 101	Business Writing College Writing I	3

CAPP 151, COMX 111 and WRIT 122 are preferred courses

Total Credits