



Gas Tungsten Arc Welding Production Welder Certificate - 18 credits

Program Area: Integrated Manufacturing Welding (Fall 2024)

REMEMBER TO REGISTER EARLY

Program Description

This certificate will provide the student with entry level skills and knowledge to perform as a gas tungsten arc welder (GTAW) with minimal supervision in all positions on ferrous and nonferrous metals.

This 18-credit Certificate seamlessly transfers to the Welding Diploma (65 credits).

Program Outcomes

- Utilize safe working techniques and practices
- Read prints and interpret welding symbols
- Use measuring and layout tools properly
- Operate welding tools and equipment
- Apply metallurgy principles to welding and metal fabrication processes
- Determine the quality of welds
- Utilize computerized equipment for welding and cutting

Required Courses

Number	Name	Credits	Term
WLDG 1500*	Blueprint Reading for Welders	3	
WLDG 1520	Gas Tungsten Arc Welding I	3	
WLDG 1522*	Gas Tungsten Arc Welding II	3	
WLDG 1524*	Gas Tungsten Arc Welding III	3	
WLDG 1582*	GTAW Fabrication Methods	3	
Technical Electives	Choose any from CADE, INMG, MTCC or WLDG	3	

Total Credits 18

*Requires a prerequisite or a concurrent course

Pre-program Requirements

Successful entry into this program requires a specific level of skill in the areas of English, mathematics, and reading. Program entry will depend, in part, on meeting the prerequisites listed below:

English/Reading:

- Eligible for ENGL/READ 0955 – Read/Write College Prep: Advanced, or
- Completion of ENGL/READ 0950 or 0955 (or equivalent course or higher). ENGL/READ 0950 may be taken concurrently with Semester I coursework.

There are other ways to qualify. Visit [Course Placement](https://lsc.edu/course-placement) (lsc.edu/course-placement) to find out more.

For interpretation of test results and selection of appropriate coursework; or general information about the program, admissions, financial aid, and getting started at LSC, contact the [professional advising team](mailto:advising@lsc.edu) (advising@lsc.edu) or 218-733-7601

For more information about the Gas Tungsten Arc Welding Production Welder Certificate including course descriptions, course prerequisites, the program report, and potential career opportunities, see the [program website](https://degrees.lsc.edu/gtaw/) (https://degrees.lsc.edu/gtaw/)

or

Contact Faculty Advisor [Matthew Farchmin](mailto:matthew.farchmin@lsc.edu) (matthew.farchmin@lsc.edu) at 218-733-6907



CIP Code: 48.0508
Minnesota State Program ID: 7684
LSC Major ID: 8108

Created: 3/24/08
AASC Approval: 3/4/15
Updated: 5/30/24

All courses in diploma and/or certificate programs are acceptable for credit toward Lake Superior College degree programs as indicated on individual program planners. This is not a contract; Lake Superior College reserves the right to change the planner as necessary. This document is available in alternative formats upon request, by contacting [Disability Services](mailto:Disability_Services@lsc.edu) or (218) 733-7650 or MRS/TTY (800) 627-3529.