



## Gas Tungsten Arc Welding Production Certificate - 18 credits

Program Area: Integrated Manufacturing Welding (Fall 2018)

**\*\*\*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:

- A score of 56 or higher on the reading comprehension portion of the Accuplacer, or
- Completion of ENGL/READ 0950 or 0955 (or equivalent course or higher). ENGL/READ 0950 may be taken concurrently with Semester I coursework.

*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 at: [pat@lsc.edu](mailto:pat@lsc.edu) or 218-733-7601*

For more information about the Welding – Gas Tungsten Production Worker Certificate including course descriptions, course prerequisites, the gainful employment disclosure, and potential career opportunities, see program Website: <https://degrees.lsc.edu/gtaw/>

- or -

Contact Faculty Advisor, Jay Vittone: [j.vittone@lsc.edu](mailto:j.vittone@lsc.edu) or 218-733-7705  
Faculty Advisor, Matthew Farchmin: [matthew.farchmin@lsc.edu](mailto:matthew.farchmin@lsc.edu) or 218-733-6907



MINNESOTA STATE

CIP Code: 48.0508  
Minnesota State Program ID: 7684  
LSC Major ID: 8109

Created: 3/24/08  
AASC Approval: 3/4/15  
Updated: 2/1/18

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, [disabilityservices@lsc.edu](mailto:disabilityservices@lsc.edu) or (218) 733-7650 or MRS/TTY (800) 627-3529.