Gas Tungsten Arc Welding Production Welder Certificate - 18 credits
Program Area: Integrated Manufacturing Welding (Fall 2023)

***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

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

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 (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 (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/)

or

Contact Faculty Advisor Matthew Farchmin (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: 2/1/23

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 or (218) 733-7650 or MRS/TTY (800) 627-3529.