Gas Tungsten Arc Welding Production Welder Certificate - 18 credits
Program Area: Integrated Manufacturing Welding (Fall 2020)

***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

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 236 or higher on the reading 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.

There are other ways to qualify. Visit LSC Accuplacer (lsc.edu/Accuplacer) 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 (pat@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 Advisors Jay Vittone (jay.vittone@lsc.edu) at 218-733-7705 or Matthew Farchmin (matthew.farchmin@lsc.edu) at 218-733-6907

Program Outcomes

<table>
<thead>
<tr>
<th>Number</th>
<th>Name</th>
<th>Credits</th>
<th>Term</th>
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<tbody>
<tr>
<td>WLDG 1500</td>
<td>Blueprint Reading for Welders</td>
<td>3</td>
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<tr>
<td>WLDG 1520</td>
<td>Gas Tungsten Arc Welding I</td>
<td>3</td>
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<tr>
<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>
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<td>WLDG 1582*</td>
<td>GTAW Fabrication Methods</td>
<td>3</td>
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<tr>
<td>Technical Electives</td>
<td>Choose any from CADE, INMG, MTCC or WLDG</td>
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Total Credits 18

*Requires a prerequisite or a concurrent course

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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.