**Program Description**

The Welding Technologist Diploma is a one-year program designed to provide an intermediate career pathway in manufacturing, specific to the field of Welding Technology. This 32 credit Diploma is designed to prepare the student for employment as an entry to intermediate level welding or fabrication technologist. This program allows students to gain the information needed to develop skills used in the welding industry. This program covers introductory GMAW, GTAW, FCAW, SMAW, and OXY/Fuel welding processes. Instruction includes classroom lectures and demonstrations, as well as hands-on projects in a lab setting.

*This 32-credit Diploma seamlessly transfers to the Welding Diploma (65 credits).*

*Most of the courses in the INMG Welding Technologist Diploma are offered on-site in a lab setting with some of the courses offered online.*

**Required Courses**

<table>
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<tr>
<th>Number</th>
<th>Name</th>
<th>Credits</th>
<th>Term</th>
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<tr>
<td>CADE 1468</td>
<td>Solidworks I</td>
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<td>WLDG 1560</td>
<td>Gas Metal Arc Welding</td>
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<td>INMG 1410</td>
<td>Mechanical Blueprint</td>
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<td>INMG 1420</td>
<td>Design Application Concepts I</td>
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<td>INMG 1400</td>
<td>Intro to Manufacturing Technology</td>
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<tr>
<td>WLDG 1500</td>
<td>Blueprint Reading for Welders</td>
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<td>WLDG 1520</td>
<td>Gas Tungsten Arc Welding</td>
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<td>WLDG 1540</td>
<td>Shielded Metal Arc Welding I</td>
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<td>INMG 1422*</td>
<td>Design Application Concepts II</td>
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<td>or</td>
<td>WLDG 1550*</td>
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<tr>
<td>or</td>
<td>CNC Plasma and Cutting Processes</td>
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<td>WLDG 1570*</td>
<td>Flux Cored Arc Welding I</td>
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<td>COMM 1601</td>
<td>Interviewing Processes and Procedures</td>
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*Requires a prerequisite or a concurrent course

**Program Outcomes**

- Demonstrate proper welder use and safety
- Interpret welding blueprints and drawings
- Interpret weld symbols
- Demonstrate proper welding processes
- Demonstrate cutting process
- Demonstrate various weld transfers
- Select base metals with weld-ability
- Demonstrate weld and setup using GTAW
- Demonstrate weld and setup using GMAW
- Demonstrate proper GMAW wire selection
- Demonstrate proper fabrication layout
- Prepare student for welding certification
Welding Technologist Diploma - 32 credits
Program Area: Integrated Manufacturing Welding (Fall 2020)

***REMEMBER TO REGISTER EARLY***

Pre-program Requirements
To begin your career in Welding Technology, you need to be at a specific skill level in English/reading and mathematics.

English/Reading:
• A score of 250 or higher on the reading portion of the Accuplacer, or
• Completion of ENGL/READ 0950 or 0955 (or equivalent course or higher). ENGL/READ 0955 may be taken concurrently with Semester I coursework.

Mathematics:
• A score of 250 or higher on the Arithmetic portion of the Accuplacer.

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 specific information about the Welding Technologist Diploma, including course descriptions, course prerequisites, the program report, and potential career opportunities, see the program website (https://www.lsc.edu/transfer-degrees/)

or

Contact Faculty Advisor, Jay Vittone (j.vittone@lsc.edu) at 218-733-7705

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