



Welding Technologist Diploma - 32 credits

Program Area: Integrated Manufacturing Welding (Fall 2016)

*****REMEMBER TO REGISTER EARLY*****

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 and 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 the lab setting.

This 32-credit Diploma seamlessly transfers to the Advanced Welding Technologist AAS (60 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.

Program Outcomes

- Demonstrate proper welder use and safety
- Interpret welding blueprints and drawings
- Interpret weld symbols
- Demonstrate proper welding processes
- Demonstrate cutting processes
- Demonstrate welding and setup using GTAW
- Demonstrate welding and setup using GMAW
- Demonstrate proper GMAW wire selection
- Prepare student for welding certification

REQUIRED COURSES			
Number	Name	Credits	Term
INMG 1400	Intro to Manufacturing Technology	4	
CADE 1468	Solidworks I	3	
CMAE 1514	Safety Awareness	2	
CMAE 1518	Manufacturing Processes and Production	2	
CMAE 1522	Quality Practices	2	
CMAE 1526	Maintenance Awareness	2	
WLDG 1500	Blueprint Reading for Welders	3	
WLDG 1520	Gas Tungsten Arc Welding I	3	
WLDG 1540	Shielded Metal Arc Welding I	3	
WLDG 1560	Gas Metal Arc Welding I	3	
WLDG 1570*	Flux Cored Arc Welding I	3	
WLDG 1590*	Introduction to Robotic Welding	2	
- or -	- or -		
MTCC 1530	Water Jet Cutting Processes		
TOTAL CREDITS		32	

*Requires a prerequisite or concurrent course

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 78 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 0955 may be taken concurrently with Semester I coursework.

Mathematics:

- A score of 33 or higher on the **Elementary Algebra Skills** portion of the Accuplacer, or
- Completion of MATH0520 (or equivalent course or higher), and with a grade of "C" or better. MATH 0520 may be taken concurrently with Semester I coursework.



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*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 or 218-733-7601*

For specific information about this program, including course descriptions, course prerequisites,
the gainful employment disclosure, and potential career opportunities, see program Website:
<https://degrees.lsc.edu>

- OR -

Contact Faculty Advisor, Jay Vittone: j.vittone@lsc.edu or 218-733-7705



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