

Lake Superior College

Program Planner

Created on: 01/20/09

Updated: 02/10/11

Effective: *Fall 2011*

Qualified applicants should be aware that program class sizes are limited, which may delay acceptance into the program.

You may be required to complete additional (or less) coursework, dependent upon the results of your Computerized Placement Test (CPT) and/or previous coursework completed or certifications earned.

Program: **Integrated Manufacturing – Welding**

Degree Type: **Diploma**

Total Required Credits: **63**

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:

- A score of 57 or higher on the Sentence Skills portion of the CPT, OR
- Completion of ENGL0450 or its equivalent transfer course or higher.
- If required, ENGL0450 may be taken concurrently with Semester I coursework.

Mathematics:

- A score of 36 or higher on the Elementary Algebra Skills portion of the CPT, OR
- Completion of MATH0450 or its equivalent transfer course or higher.
- If required, MATH0450 may be taken concurrently with Semester I coursework.

Reading:

- A score of 78 or higher on the Reading Comprehension portion of the CPT, OR
 - Completion of READ0465 or its equivalent transfer course or higher.
 - If required, READ0465 may be taken concurrently with Semester I coursework.
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Semester I

Course ID#	Course Title (Pre-reqs)	Term	Credits	Grade/ Term
FYE1000	Intro to College (None)	F	1	
CADE1468	Solidworks I (None)	F	3	

INMG1400	Intro to Manufacturing Technology (None)	F	4	
INMG1410	Mechanical Blueprint Reading (ENGL0460, MATH0450, READ0465, or concurrent enrollment)	F	3	
INMG1420	Design and Application Concepts I (None)	F	3	
WLDG1560	Gas Metal Arc Welding I (None)	F	3	
Total Credits for Term			17	

Semester II

Course ID#	Course Title (Pre-reqs)	Term	Credits	Grade/ Term
INMG1422	Design Application Concepts II (INMG1420)	S	3	
WLDG1500	Blueprint Reading for Welders (Appropriate placement test score or MATH0450 and READ0455 [may be taken concurrently] or instructor's consent)	S	3	
WLDG1520	Gas Tungsten Arc Welding I (None)	S	3	
WLDG1562	Gas Metal Arc Welding II (WLDG1560 or instructor's consent)	S	3	
WLDG1570	Flux Cored Arc Welding I (WLDG1560)	S	3	
Total Credits for Term			15	

Semester III

Course ID#	Course Title (Pre-reqs)	Term	Credits	Grade/ Term
WLDG1522	Gas Tungsten Arc Welding II (WLDG1500 and WLDG1520 or instructor's consent)	F	3	
WLDG1540	Shielded Metal Arc Welding I (None)	F	3	
WLDG1564	Gas Metal Arc Welding III (WLDG1562)	F	3	
WLDG1572	Flux Cored Arc Welding II (WLDG1500 and WLDG1570)	F	3	
WLDG1580	GMAW Fabrication Methods (WLDG1562 or concurrent enrollment or instructor's consent)	F	3	
COMM1601	Interviewing Procedure and Practice (None; computer skills necessary)	F	1	
			16	

Semester IV

Course ID#	Course Title (Pre-reqs)	Term	Credits	Grade/ Term
WLDG1524	Gas Tungsten Arc Welding III (WLDG1522)	S	3	
WLDG1542	Shielded Metal Arc Welding II (WLDG1500 and WLDG1540)	S	3	
WLDG1544	Shielded Metal Arc Welding III (WLDG1542)	S	3	
WLDG1550	CNC Plasma and Cutting Processes (WLDG1500)	S	3	
WLDG1582	GTAW Fabrication Methods (WLDG1522 or concurrent enrollment or instructor's consent)	S	3	
Total Credits for Term			15	

- *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 can be made available in alternative formats, such as large print, Braille, or audio tape, by calling 733-7650 or MRS/TTY 800-627-3529.*