

Lake Superior College

Program Planner

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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: SolidWorks (CAD)

Degree Type: Certificate

Total Required Credits: 18

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 86 or higher on the Sentence Skills portion of the CPT, OR
- Completion of ENGL0460 or its equivalent transfer course or higher.
- If required, ENGL0460 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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NOTE: This SolidWorks certificate prepares students for the Certified SolidWorks Associate (CSWA) Examination. This certificate is also intended/recommended for people who are already in a manufacturing related field or who have earned a certificate, diploma, or degree in a manufacturing related program of study.

Semester I

Course ID#	Course Title (Pre-reqs)	Term	Credits	Grade/ Term
CADE1450	Mechanical Details (INMG1410 or concurrent enrollment or instructor's consent)	F/S	3	
CADE1468	SolidWorks I (ENGL0460, MATH0450, READ0465, or concurrent enrollment)	F/S	3	
INMG1410	Mechanical Blueprint Reading (None)	F/S	3	
Total Credits for Term			9	

Semester II

Course ID#	Course Title (Pre-reqs)	Term	Credits	Grade/ Term
CADE1470	SolidWorks II (CADE1468)	F/S	3	
CADE2476	SolidWorks Design Project (CADE1470 or concurrent enrollment)	F/S	3	
	Technical Elective (Refer to Table 1)	F/S	3	
Total Credits for Term			9	

Table 1: Technical Electives

Course ID#	Course Title (Pre-reqs)	Term	Credits	Grade/ Term
CADE2500	SolidWorks Exam Preparation (CADE1470 or concurrent enrollment)	F/S	3	
MTCC2504	CAD CAM (CADE1468)	F/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	

- 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.
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