

# Lake Superior College

## Program Planner

Created on: 03/01/05

Updated: 02/09/11

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:** **Civil Engineering Technology**

**Degree Type:** **Diploma**

**Total Required Credits:** **56**

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### 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 50 or higher on the College Level Math Skills portion of the CPT, OR
- Completion of MATH0460 or its equivalent transfer course or higher.
- If required, MATH0460 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 planner is designed for students planning to start in the fall and complete their coursework within two years. The program can also be taken on a part-time basis. For more information, contact Cliff Koski at (218) 733-7627 or email at c.koski@lsc.edu.

## Semester I

Course ID#	Course Title (Pre-reqs)	Term	Credits	Grade/ Term
FYE1000	<b>Intro to College</b> (None)	F	1	
CETT1400	<b>Introduction to Civil Engineering Technology</b> (ENGL0460, MATH0460 and READ0465, or concurrent enrollment)	F	2	
CETT1402	<b>Introduction to Surveying</b> (ENGL0460, MATH0460 and READ0465, or concurrent enrollment)	F	4	
CETT1410	<b>Introduction to Material Testing*</b> (ENGL0460, MATH0460 and READ0465, or concurrent enrollment)	F	3	
CETT1450	<b>Engineering Graphics</b> (ENGL0460, MATH0460 and READ0465, or concurrent enrollment)	F	4	
<b>Total Credits for Term</b>			<b>14</b>	

**\*NOTE:** Taking three of the following four MnDOT certification courses can be taken instead of CETT1410, Introduction to Material Testing. Each course is one (1) credit: CETT2600, Aggregate Production I; CETT 2610, Grading and Base I; CETT 2630, Bituminous Street I; CETT 2650, Concrete Field I

## Semester II

Course ID#	Course Title (Pre-reqs)	Term	Credits	Grade/ Term
CETT1420	<b>Route Survey</b> (CETT1402 or instructor consent)	S	4	
CETT1430	<b>Civil CAD Applications</b> (CETT1450)	S	4	
CETT1440	<b>Engineering Problem Solving</b> (College-level reading and writing, MATH0470 or concurrent enrollment)	S	2	
CETT2440	<b>Civil Estimating</b> (CETT1450)	S	3	
<b>Total Credits for Term</b>			<b>13</b>	

## Summer Session

Course ID#	Course Title (Pre-reqs)	Term	Credits	Grade/ Term
CETT2407	<b>Engineering Technology Internship</b> (College-level reading, writing, and math)	SUM	3	
<b>Total Credits for Term</b>			<b>3</b>	

### Semester III

Course ID#	Course Title (Pre-reqs)	Term	Credits	Grade/ Term
CETT2400	<b>Intermediate Survey</b> (CETT1402)	F	3	
CETT2410	<b>Stormwater Management</b> (College-level reading, writing, and math)	F	4	
CETT2430	<b>Site Development</b> (CETT1430 or concurrent enrollment)	F	3	
	<b>General Education Elective</b> (Refer to Table 1)	F	3	
<b>Total Credits for Term</b>			<b>13</b>	

### Semester IV

Course ID#	Course Title (Pre-reqs)	Term	Credits	Grade/ Term
CETT2420	<b>Land Survey Systems</b> (College-level reading, writing, and math)	S	3	
CETT2450	<b>Highway Design</b> (CETT1430)	S	4	
CETT2460	<b>Advanced Survey</b> (CETT2400 or instructor's consent)	S	3	
	<b>General Education Elective</b> (Refer to Table 1)	S	3	
<b>Total Credits for Term</b>			<b>13</b>	

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### Table 1: General Education Requirements (6 Credits)

General Education courses shall be selected from the two goal areas of the Minnesota Transfer Curriculum identified below. The general education courses listed below are required and satisfy the MTC goal areas.

Course ID#	MTC Goal Area	Credits	Grade/ Term
<b>Communication</b>	<b>1</b>	<b>3</b>	
<b>Natural Sciences or Math</b>	<b>3 or 4</b>	<b>3</b>	

- 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.