

# Lake Superior College

## Program Planner

Created on: 03/01/05

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.*

*General Education courses required by this program may be taken in either or both semesters of the first year as long as the specific prerequisites for that course have been met. These courses serve as a basis for the third and fourth semesters. Please check with your advisor.*

**Program:** **Fire Technology and Administration**

**Degree Type:** **Associate in Applied Science**

**Total Required Credits:** **72**

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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 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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## Semesters I and II (Enrolled in Selection A for First Semester)

The first two semesters are a combination of FIRE prefix courses and General Education courses. Each semester must total 18 credits to complete the program in two years. Transfer students with the required 16 General Education Credits will enroll in 18 credits of FIRE prefix courses.

If the student chooses to enroll in Selection A for the first semester, below is the schedule that will be followed:

### Selection A / Semester I

Course ID#	Course Title (Pre-reqs)	Term	Credits	Grade/ Term
FYE1000	Intro to College (None)	F/S	1	
FIRE1401	Today's Fire Service (None)	F/S	2	
FIRE1408	Fire Fighter I and II (None)	F/S	7	
FIRE1430	Hazardous Materials, Operations (None)	F/S	2	
	General Education Electives (Refer to Table 2)	F/S	6	
<b>Total Credits for Term</b>			<b>18</b>	

### Selection A / Semester II

Course ID#	Course Title (Pre-reqs)	Term	Credits	Grade/ Term
FIRE1410	Building Construction (None)	F/S	3	
FIRE1420	Inspection, Codes, and Practices (None)	F/S	3	
	<b>NOTE: Online (Internet) course.</b>			
FIRE1450	Fire Apparatus Operation (Valid Driver's License; FIRE1452 or concurrent enrollment)	F/S	2	
FIRE1452	Introduction to Heavy Vehicles (Valid Driver's License)	F/S	1	
	General Education Electives (Refer to Table 2)	F/S	9	
<b>Total Credits for Term</b>			<b>18</b>	

## Semesters I and II (Enrolled in Selection B for First Semester)

The first two semesters are a combination of FIRE prefix courses and General Education courses. Each semester must total 18 credits to complete the program in two years. Transfer students with the required 16 General Education Credits will enroll in 18 credits of FIRE prefix courses.

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If the student chooses to enroll in Selection B for the first semester, below is the schedule that will be followed:

### Selection B / Semester I

Course ID#	Course Title (Pre-reqs)	Term	Credits	Grade/ Term
FYE1000	Intro to College (None)	F/S	1	
FIRE1410	Building Construction (None)	F/S	3	
FIRE1420	Inspection, Codes, and Practices (None)	F/S	3	
	<b>NOTE: Online (Internet) course.</b>			
FIRE1450	Fire Apparatus Operation (Valid Driver's License; FIRE1452 or concurrent enrollment)	F/S	2	
FIRE1452	Introduction to Heavy Vehicles (Valid Driver's License)	F/S	1	
	General Education Electives (Refer to Table 2)	F/S	8	
<b>Total Credits for Term</b>			<b>18</b>	

### Selection B / Semester II

Course ID#	Course Title (Pre-reqs)	Term	Credits	Grade/ Term
FIRE1401	Today's Fire Service (None)	F/S	2	
FIRE1408	Fire Fighter I and II (None)	F/S	7	
FIRE1430	Hazardous Materials, Operations (None)	F/S	2	
	General Education Electives (Refer to Table 2)	F/S	7	
<b>Total Credits for Term</b>			<b>18</b>	

**NOTE:** Semester III and IV can be taken in either order. See your advisor for details.

### Semester III

Course ID#	Course Title (Pre-reqs)	Term	Credits	Grade/ Term
FIRE1560	<b>Emergency Medical Technician-Basic</b> (Must be 16 years old to take course and 18 years old to attain national certification; must have a felony-free record to become nationally certified)	F/S	6	
FIRE2460	<b>Fire Inspection and Prevention Applications</b> (FIRE1420 or instructor's consent) <b>NOTE: Online (Internet) course.</b>	F/S	3	
FIRE2502	<b>Rescue-Basic</b> (None)	F/S	3	
FIRE2511	<b>Company Functions</b> (FIRE1408 and concurrent enrollment in FIRE2512)	F/S	2	
FIRE2512	<b>Fire Fighting Tactics and Strategy</b> (FIRE2511 or concurrent enrollment; ENGL0460, MATH0450, and READ0465 or concurrent enrollment)	F/S	3	
	<b>Elective</b> (Refer to Table 1)	F/S	1	
<b>Total Credits for Term</b>			<b>18</b>	

### Semester IV

Course ID#	Course Title (Pre-reqs)	Term	Credits	Grade/ Term
FIRE2400	<b>Fire Service Reporting</b> (None)	F/S	3	
FIRE2420	<b>Fire Instructor</b> (FIRE2430 or concurrent enrollment)	F/S	2	
FIRE2430	<b>Fire Officer</b> (FIRE2420 or concurrent enrollment)	F/S	2	
FIRE2440	<b>Chemistry of Hazardous Materials</b> (Hazard materials operations course; a college chemistry course is also strongly recommended)	F/S	3	
FIRE2470	<b>Fire Investigation</b> (20 technical credits from FIRE or instructor's consent)	F/S	3	
	<b>Electives</b> (Refer to Table 1)	F/S	5	
<b>Total Credits for Term</b>			<b>18</b>	

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**Table 1: Electives**

(Any course from the Minnesota Transfer Curriculum or from the following:)

Course ID#	Course Title (Pre-reqs)	Term	Credits	Grade/ Term
FIRE1470	<b>Natural Cover Fire Fighting</b> (None)	F/S	2	
FIRE1480	<b>Basic Aircraft Rescue and Fire Fighting</b> (FIRE1408)	S	2	
FIRE1510	<b>Public Fire Education</b> (None) <b>NOTE: Independent Study – see your Advisor for details.</b>	F/S	1	
FIRE1556	<b>EMS First Responder</b> (If the student wishes to attain either state or national registration, they must be 18 years of age prior to taking the exams and must be free of any felony convictions.)	S	3	
FIRE1565	<b>Wilderness Survival</b> (None)	S	2	
FIRE1571	<b>Wilderness Search Concepts and Operations</b> (None)	ARR	2	
FIRE1573	<b>Water Search, Rescue, and Recovery</b> (None)	ARR	1	
FIRE1575	<b>Land Navigation</b> (None)	ARR	1	
FIRE2551	<b>Rope Rescue Technician</b> (FIRE2502)	S	2	
FIRE2553	<b>Automobile Extrication and Rescue</b> (FIRE2502; FIRE1560 strongly recommended)	F	2	
FIRE2560	<b>Chemistry of Hazardous Materials II</b> (CHEM1110 or CHEM1210 and FIRE2440) <b>NOTE: Independent Study – see your Advisor for details.</b>	ARR	1	
FIRE2570	<b>Hazardous Materials, Technician</b> (FIRE1430 and FIRE2440 or instructor's consent)	F	3	
FIRE2600	<b>EMT-Refresher</b> (Current state or national registration as an EMT-B)	S	2	
FIRE2610	<b>Fire Internship 100</b> (Refer to the specific requirements of each internship agreement, and successful completion of 18 FIRE prefix credits)	ARR	1	

<b>FIRE2620</b>	<b>Fire Internship 200</b> (Refer to the specific requirements of each internship agreement, and successful completion of 18 FIRE prefix credits)	<b>ARR</b>	<b>2</b>	
<b>FIRE2630</b>	<b>Fire Internship 300</b> (Refer to the specific requirements of each internship agreement, and successful completion of 18 FIRE prefix credits)	<b>ARR</b>	<b>3</b>	

### Table 2: General Education Requirements (16 Credits)

General Education courses shall be selected from at least three (3) of the ten (10) goal areas of the Minnesota Transfer Curriculum. The general education courses listed below are required and satisfy the MTC goal areas.

<b>Course ID#</b>	<b>MTC Goal Area</b>	<b>Credits</b>	<b>Grade/ Term</b>
<b>FYE1000</b>		<b>1</b>	
<b>CHEM1110</b>	<b>3</b>	<b>3</b>	
<b>ENGL1106</b>	<b>1</b>	<b>3</b>	
<b>Communication</b>	<b>1</b>	<b>3</b>	
<b>History and Social and Behavioral Sciences or Humanities</b>	<b>5/6</b>	<b>3</b>	
<b>General Education Elective</b>	<b>Any MTC course</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.*