



Fire Science and Administration AS Degree - 60 credits

Program Area: Fire Technology (Fall 2025)

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

Program Description

The Fire Science and Administration AS degree is designed to build a broad base of knowledge for the Fire Service. This program is intended for the Fire Fighter seeking promotion and/or one who plans to transfer into a related four-year bachelor's degree program. This degree follows the Fire and Emergency Services Higher Education (FESHE) model created by the National Fire Academy (NFA). To facilitate distance learning all courses are offered fully on-line.

Program Outcomes

- Fire service professional skills and qualifications for leadership and supervision
- Using the Incident Command System in both daily operations and emergency operations
- Career and promotional opportunities both within and outside of the fire service
- A strong base of knowledge in both liberal and technical education far beyond the Associate in Science
- Organizational and professional communications techniques for the workplace
- Creating a safe working environment in both emergency and non-emergency situations
- Creating and developing the changes needed for the future of the fire service
- Fire prevention activities including inspection, preplanning, investigation, and public fire education

Required Courses

Number	Name	Credits	Term
FYE 1000	First Year Experience	1	
FIRE 1401	Today's Fire Service	2	
FIRE 1404	Fire Behavior and Combustion	3	
ENGL 1106*	College Composition	3	
FIRE 1410	Building Construction	3	
FIRE 2450*	Fire Prevention	3	
ENGL 1109*	College Composition II	3	
FIRE 1502*	Fire Protection Systems	3	
FIRE 1504*	Principles of Fire and Emergency Services Safety and Survival	3	
Choose 12 credits from the following or any FIRE prefix course not already on the guide:			
FIRE 1414*	Fire Protection Hydraulics and Water Supply (3 cr)	12	
FIRE 1470	Wildland Firefighting (2 cr)		
FIRE 1474*	S-211 Wildland Portable Pumps and Water Use (2 cr)		
FIRE 1476*	S-212 Wildland Fire Chain Saws (3 cr)		
FIRE 2420*	Fire Instructor (2 cr)		
FIRE 2460*	Fire Inspection and Prevention Applications (3 cr)		
FIRE 2462*	Introduction to Fire & Emergency Services Administration (3 cr)		
FIRE 2464*	Legal Aspects of the Fire Service (3 cr)		
FIRE 2512*	Fire Fighting Tactics and Strategy (3 cr)		
FIRE 2610*	Fire Internship 100 (1 credit)		
FIRE 2620*	Fire Internship 200 (2 credits)		
General Education Electives	Choose 24 credits from at least six different Goal Areas of the Minnesota Transfer Curriculum		24

Total Credits **60**

*Requires a prerequisite or a concurrent course
Additional technical electives available, see advisor for details



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Program Articulation

See Program Director for list of current articulations.

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/Reading:

- Eligible for ENGL 1106 - College Composition I, or
- Completion of ENGL/READ 0950/0955 (or equivalent or higher). ENGL/READ 0950/0955 may be taken concurrently with Semester I coursework.

Mathematics:

- Eligible for MATH 0970 - Intermediate Algebra, or
- Completion of MATH 0950/0955 (or equivalent or higher). MATH 0950/0955 may be taken concurrently with Semester I coursework.

There are other ways to qualify. Visit [Course Placement](https://www.lsc.edu/course-placement/) (https://www.lsc.edu/course-placement/) to find out more.

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](mailto:advising@lsc.edu) (advising@lsc.edu) or 218-733-7601

For more information about the Fire Science and Administration AS Degree including course descriptions, course prerequisites, and potential career opportunities, see the [program website](https://www.lsc.edu/degrees/fire-science-and-administration-as/) (https://www.lsc.edu/degrees/fire-science-and-administration-as/)



MINNESOTA STATE

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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 is available in alternative formats upon request, by contacting [Student Accessibility Services](#) or (218) 733-7650 or MRS/TTY (800) 627-3529.