



## Fire Science and Administration AS Degree - 60 credits

Program Area: Fire Technology (Fall 2017)

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

### Program Description

The Associate of Fire Science and Administration is designed to build a broad base of knowledge for the Fire Service. Targeted for the Fire Fighter who is seeking to learn more, for those interested in seeking promotion, and for transfer into a four year program, the degree is designed following the Fire and Emergency Services Higher Education (FESHE) model created by the National Fire Academy (NFA). The general courses are from the Minnesota Transfer Curriculum and many general courses and all technical courses are available on-line to facilitate distance learning.

### 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	Student Success Seminar	1	
FIRE 1404	Fire Behavior and Combustion	3	
ENGL 1106	College Composition	3	
FIRE 1401	Today's Fire Service	2	
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: (3 credit courses unless noted)**			
FIRE 1414*	Fire Protection Hydraulics and Water Supply	12	
FIRE 1470	Wildland Fire Fighting (2 credits)		
FIRE 1472*	Wildland Fire Leadership		
FIRE 1474*	Wildland Portable Pumps and Water Use (2 credits)		
FIRE 1476	S-212 Wildland Chainsaws		
FIRE 1478*	S-290 Intermediate Wildland Fire (2 credits)		
FIRE 1506*	Occupational Health and Safety for the Fire Service		
FIRE 2420	Fire Instructor (2 credits)		
FIRE 2445*	Hazardous Materials Chemistry		
FIRE 2450	Fire Prevention		
FIRE 2460*	Fire Inspection and Prevention Applications		
FIRE 2462*	Introduction to Fire and Emergency Services Administration		
FIRE 2464*	Legal Aspects of the Fire Service		
FIRE 2470*	Fire Investigations I		
FIRE 2472*	Fire Investigations II		
FIRE 2512	Tactics and Strategies		
FIRE 2610	Fire Internship 100 (1 credit)		
FIRE 2620	Fire Internship 200 (2 credits)		
General Education Electives	Choose 24 credits from at least two different Goal Areas 2-10 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.

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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/Reading:

- A score of 78 or higher on the reading comprehension portion of the Accuplacer, or
- Completion of ENGL/READ 0950 or 0955 (or equivalent course or higher). ENGL/READ 0955 may be taken concurrently with Semester I coursework.

#### Mathematics:

- A score of 71 or higher on the **Elementary Algebra Skills** portion of the Accuplacer, or
- Completion of MATH 0460 (or equivalent or higher). Math 0460 may be taken concurrently with Semester I coursework

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 at [pat@lsc.edu](mailto:pat@lsc.edu) or 218-733-7601

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For more information about the Fire Science and Administration AS Degree including course descriptions, course prerequisites, the gainful employment disclosure, and potential career opportunities, see program website: <https://degrees.lsc.edu/fire-officer/>

- or -

Contact Program Director, Paula Castleman: [p.castleman@lsc.edu](mailto:p.castleman@lsc.edu) or 218-733-1073



MINNESOTA STATE

CIP Code: 43.0202  
MnSCU Program ID: 13-555-7615  
LSC Major ID: 5511

Created: 3/1/05  
AASC Approval: 5/6/15  
Updated: 5/4/17

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