



Fire Technology AAS Degree - 60 credits

Program Area: Fire Technology (Fall 2016)

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

Program Description

The Fire Technology program provides an opportunity for students to obtain basic and advanced instruction in fire prevention, firefighting techniques, rescue, and management of fire services. Critical decision making is emphasized at the company officer level to ensure improvement in all aspects of fire technology, productivity, and safety. Wildland Firefighting classes are available to enhance the knowledge base of fire suppression technicians. Completion of liberal education courses early in program is recommended to establish an academic foundation for technical courses.

Program Outcomes

- Be job ready based on national accepted performance job standards and behaviors for firefighters,
- Be prepared with the appropriate background and experiences to serve as a fire equipment operator,
- Be able to conduct fire prevention activities,
- Be able to integrate the incident command system and its component parts into daily work assignments and all emergency response settings,
- Be able to function as an emergency medical technician at the appropriate level for the department and interact with all providers to ensure good patient care,
- Be able to use the nationally recognized standards and behaviors for the response to hazardous materials releases and emergencies,
- Be able to apply a broad working knowledge of rescue techniques and theories to include specialized areas not limited to activities like high level/high angle, confined spaces, and water related rescues,
- Be experience in day-to-day fire department type operations, station life and working conditions.

REQUIRED COURSES			
Number	Name	Credits	Term
FIRE 1401	Today's Fire Service	2	
FIRE 1408	FireFighter I & II	7	
ENGL 1106	College Composition	3	
FIRE 1410	Building Construction	3	
FIRE 1412*	Fire Apparatus Operation	3	
ENGL 1109*	Composition II	3	
FIRE 2480*	Introduction to EMT	2	
FIRE 2482*	Emergency Medical Technician	3	
FIRE 2484*	Emergency Medical Technician Lab	3	
FIRE 2502	Rescue Basic	3	
FIRE 1430	Haz Mat Operations	2	
FIRE 2440*	Fire Chem I	3	
FIRE 2450	Fire Prevention	3	
FIRE 2511*	Company Functions	3	
<i>Choose 8 Technical Elective credits from the following (3 credit courses unless noted)**:</i>			
FIRE 1414*	Fire Protection Hydraulics and Water Supply		
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)	8	
FIRE 2445*	Hazardous Materials Chemistry		
FIRE 2450	Fire Prevention		
FIRE 2512	Tactics and Strategies		
FIRE 2610	Fire Internship 100 (1 credit)		
FIRE 2620	Fire Internship 200 (2 credits)		
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		
<i>Choose 9 credits from at least two different Goal Areas 2-10 of the Minnesota Transfer Curriculum</i>		9	
TOTAL CREDITS		60	

*Requires a prerequisite or a concurrent course

**Additional technical electives available, see advisor for details



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Program Articulations

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:

- 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 or 218-733-7601*

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/firefighter/>

- or -

Contact Program Director, Paula Castleman: p.castleman@lsc.edu or 218-733-1073



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LSC Major ID: 5507

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