FIRE SERVICE TECHNOLOGY AAS

The Fire Service Technology program prepares the next generation of firefighters through rigorous, high-quality training that meets the demands of today's fire service. Designed for both volunteer and career firefighters, our courses meet regional employment minimums for fire agencies and are delivered on campus using hands-on training equipment and fully equipped fire labs. Experienced firefighter-instructors bring real-world expertise into every classroom.

The curriculum is based on the National Fire Protection Association (NFPA) standards, the International Fire Service Accreditation Congress (IFSAC) requirements, and the National Fire Academy's (FESHE) Fire and Emergency Services Higher Education Model. Fire/protective gear will be required once you enter the program. Your instructor will advise you.

Entrance requirements for degree seeking students in the Fire Service Technology program include:

- ALEKS score of 14 or higher in Math (Algebra), Writing Placement Exam score of 2 or higher, or equivalent college placement exam scores.
- Fire Service Technology has physical requirements that may affect the student's ability to function in this program. Fire Service Technology has physical requirements that may impact the student's ability to participate in the program. Students must be able to climb ladders and work at significant heights and in confined spaces. They must also be able to wear 50 lbs. of firefighting gear while performing various tasks. Additionally, students must be able to lift and carry heavy objects while wearing personal protective ensembles and self-contained breathing apparatus and push or pull at least 125 lbs. Students must have the ability to climb 6 or more flights of stairs while wearing 50 lbs. of gear and carrying an additional 20-40 lbs. of equipment/tools.
- Students need to complete for following FEMA National Incident System Training at https://training.fema.gov/emiweb/is/icsresource/trainingmaterials/. These are free trainings.
  a. **IS-700 NIMS, an Introduction:** This independent study course introduces the NIMS concept. NIMS provides a consistent nationwide template to enable all government, private-sector, and nongovernmental organizations to work together during domestic incidents.
  b. **ICS-100 Introduction to the Incident Command System:** This independent study course introduces ICS and provides the foundation for higher level ICS training. It describes the history, features and principles, and organizational structure of the system. This course also explains the relationship between ICS and NIMS.
  c. **ICS-200 Basic Incident Command System for Initial Response:** This independent study course is designed to enable personnel to operate efficiently during an incident or event within the ICS. ICS-200 provides training and resources for personnel who are likely to assume a supervisory position within the ICS.
  d. **IS-800 National Response Framework (NRF), an Introduction:** The course introduces participants to the concepts and principles of the NRF.

The following steps need to be completed for enrollment in the program:

1. Complete general LC State admission requirements
2. Submit college placement exams
3. Complete ICS-100, ICS-200, IS-700, and IS-800 certifications
4. Schedule consultation meeting with program faculty

Upon completion of the Fire Service Technology program, the student will have basic skills in:

- Fundamental skills and knowledge in Firefighter I and II
- Understanding of building construction
- Hazardous materials awareness and operations
- Wildland firefighting
- Apparatus driver operator
- Fire investigation and prevention
- Fire Instructor I
- Firefighter rescue techniques
- Emergency Medical Technician

Career Pathways

- Firefighter
- Fire Inspector/Investigator

- Company Officer

General Education Requirements

Code	Title	Credits
Written Communication		
ENGL-101	WRITING AND RHETORIC I	3.00
Oral Communication		
Take one of the following:		3.00
COMM-101	FUNDAMENTALS OF ORAL COMMUNICATION	
COMM-203	SMALL GROUP COMMUNICATION	
COMM-204	PUBLIC SPEAKING	
Mathematical Ways of Knowing		
Take one of the following:		3.00
CS-108	INTRODUCTION TO COMPUTER SCIENCE	
MATH-123	MATH IN MODERN SOCIETY	
MATH-130	FINITE MATHEMATICS	
MATH-137	ALGEBRA, TRIG AND STAT WITH APPLICATION	
MATH-140	ALGEBRAIC REASONING AND PROBLEM-SOLVING	
MATH-143	PRECALCULUS I: ALGEBRA	
MATH-147	PRECALCULUS	
MATH-153	STATISTICAL REASONING	
MATH-160	BRIEF CALCULUS	
MATH-170	CALCULUS I	
MATH-254	STATISTICAL METHODS	
MATH-257	MATHEMATICS FOR ELEMENTARY TEACHERS II	
MTHPT-130	FINITE MATHEMATICS	
MTHPT-137	MATH FOR TECHNOLOGY	
MTHPT-153	STATISTICAL REASONING	
Social & Behavioral Ways of Knowing		
Take one of the following:		3.00
HRPT-184	DIVERSITY IN ORGANIZATIONS	
or SS-184	DIVERSITY IN ORGANIZATIONS	
HRPT-185	HUMAN RELATIONS IN ORGANIZATIONS	
or SS-185	HUMAN RELATIONS IN ORGANIZATIONS	
POLS-101	AMERICAN NATIONAL GOVERNMENT	
PSYC-101	INTRODUCTION TO GENERAL PSYCHOLOGY	
PSYC-205	LIFESPAN DEVELOPMENTAL PSYCHOLOGY	
SOC-101	INTRODUCTION TO SOCIOLOGY	
SOC-102	SOCIAL PROBLEMS	
Additional General Education Course		**3.00**
*Additional Core Course cannot be used to fulfill a requirement above.		
Select the link below to review LC State's General Education Core courses		
http://catalog.lcsc.edu/general-education (http://catalog.lcsc.edu/general-education/)/		
Total Credits		**15.00**

Program Requirements

Code	Title	Credits
Select 45 credits from one of the two pathways		45.00
Pathway 1		
FRSRV-100	FIRE TRAINING TECHNOLOGY	
Rapid Intervention Team Training Firefighter Safety and Survival		
Fire Fighter I		

Fire Fighter II	
Technical Rescue-Operations Elective	
Flashover Survival Training	
Hazardous Materials Operations	
Hazardous Materials Awareness	
Wildland Basic Firefighter II	
Wildland/Urban Interface	
Basic First Aid and CPR	
Arson Detection for First Responders	
Building Construction Combustible	
Building Construction Non Combustible	
Incident command System	
Infection Control for Emergency Response Personnel: The Supervisor's Role	
Driver Operator/Pump Operations	
Fire Officer I	
Instructor I	
Pathway 2	
FRSRV-101	FIREFIGHTER I
FRSRV-102	HAZ-MAT AWARENESS
FRSRV-103	HAZ-MAT OPERATIONS
FRSRV-104	IFSTA BUILDING CONSTRUCTION
FRSRV-105	APPARATUS DRIVER OPERATION
FRSRV-201	FIREFIGHTER II
FRSRV-203	IFSTA FIRE INVESTIGATION
FRSRV-204	FIREFIGHTING STRATEGIES & TACTICS
FRSRV-205	INSPECTION & PREVENTION
FRSRV-206	RIT/FIREFIGHTER SURVIVAL
FRSRV-210	EMERGENCY MEDICAL TECHNICIAN
FRSRV-220	WILDLAND FIREFIGHTER II S-130
FRSRV-221	WILDLAND FIREFIGHTER II S-190
FRSRV-222	WILDLAND URBAN INTERFACE S-215
FRSRV-225	IFSTA FIRE INSTRUCTOR I
FRSRV-227	BS FIRE ALARM & PROTECTION SYSTEMS
FRSRV-294	INTERNSHIP IN FIRE SERVICE TECHNOLOGY
Completion of a Technical Skills Assessment is required	
Total Credits	**45.00**

Sequential Plan of Study

Course	Title	Credits
First Year		
Fall		
ENGL-101	WRITING AND RHETORIC I	3.00
FRSRV-101	FIREFIGHTER I	5.00
FRSRV-102	HAZ-MAT AWARENESS	2.00
FRSRV-103	HAZ-MAT OPERATIONS	2.00
FRSRV-203	IFSTA FIRE INVESTIGATION	3.00
	Credits	**15.00**
Spring		
FRSRV-104	IFSTA BUILDING CONSTRUCTION	3.00
FRSRV-105	APPARATUS DRIVER OPERATION	3.00
FRSRV-201	FIREFIGHTER II	3.00
FRSRV-210	EMERGENCY MEDICAL TECHNICIAN	5.00

CORE	Social & Behavioral Ways of Knowing	3.00
	Credits	**17.00**
Second Year		
Fall		
FRSRV-204	FIREFIGHTING STRATEGIES & TACTICS	3.00
FRSRV-205	INSPECTION & PREVENTION	3.00
FRSRV-206	RIT/FIREFIGHTER SURVIVAL	2.00
FRSRV-225	IFSTA FIRE INSTRUCTOR I	3.00
CORE	Oral Communication	3.00
	Credits	**14.00**
Spring		
FRSRV-220	WILDLAND FIREFIGHTER II S-130	1.00
FRSRV-221	WILDLAND FIREFIGHTER II S-190	1.00
FRSRV-222	WILDLAND URBAN INTERFACE S-215	2.00
FRSRV-227	BS FIRE ALARM & PROTECTION SYSTEMS	3.00
FRSRV-294	INTERNSHIP IN FIRE SERVICE TECHNOLOGY	1.00-3.00
CORE	Mathematical Ways of Knowing	3.00
CORE	Additional General Education Course	3.00
	Credits	**14.00-16.00**
	Total Credits	**60.00**

Graduates with an AAS Fire Service Technology go on to obtain careers in a variety of fields:

- Firefighter
- Fire inspector/investigator
- Fire chief
- First-line supervisor/manager of firefighting and prevention workers