

Associate of Applied Science Degree Public Service Technologies

Fire Science Technology (9640)

Fire service specialists are sought by fire departments nationwide, as well as by insurance companies, industrial organizations, government agencies, and businesses dealing with fire protection and equipment.

Lakeland's Fire Science Technology program meets the needs of today's career and volunteer firefighters, pre-service students, and business and industry personnel having an interest in fire safety and protection. Fire science courses reflect the philosophies and techniques of today's fire service leaders.

A certificate is also available.

NOTE: This program is designed for both in-service and pre-service students.

Pre-service students must take FIRE 2390

In-service students must take FIRE 2490

NOTE: Many Fire Science Technology (FIRE) courses are scheduled on an alternating basis, therefore, not all FIRE courses are offered every academic year. Contact the Counseling Office or Fire Science Program Director for scheduling details and advice.

First Semester:

CHEM 1050	Chemistry in the Everyday World	3
ENGL 1110*	English Composition I (A)	3
OR		
ENGL 1111	English Composition I (B)	
FIRE 1100	Introduction to Fire and Emergency Services	3
FIRE 1260	Fire Prevention Practice	3
FIRE 1350	Public Sector Community Relations and Customer Service	2
Choose any course(s) from the Natural Science/ Mathematics Electives list**		3-4
		17-18

Second Semester:

ENGL 1121	English Composition II-Technical Focus	3
OR		
ENGL 2202	Technical Research and Report Writing	
FIRE 1120	Fire Organization and Administration	2
FIRE 1290	Building Construction for Fire and Life Safety	3
FIRE 2330	Combustion Processes and Fire Behavior	2
ITIS 1005	Computers and Information Processing	3
POLS 2100	State and Local Government	3
Choose course(s) from the Technical Electives list		2
		18

Third Semester:

FIRE 1170	Fire Protection and Detection Systems	2
FIRE 2205	Fire Service Hydraulics	2
FIRE 2210	Public Sector Supervision and Leadership	2
FIRE 2280	Fireground Strategy and Tactics	3
SPCH 1050***	Fundamentals of Public Speaking	2
OR		
SPCH 1150	Fundamentals of Interpersonal Communication	
Choose course(s) from the Social and Behavioral Science Electives list		3
Choose course(s) from the Technical Electives list		3
		17

Fourth Semester:

FIRE 2200	Fire Investigation Methods	3
FIRE 2340	Hazardous Materials Operations and Command	3
FIRE 2390	Fire Field Service Seminar	2
OR		
FIRE 2490	Fire Service Problem Analysis and Solution	
FIRE 2380	Emergency Services Safety and Survival	2
PHOT 1100	Basic Photography	3
OR		
PHOT 1105	Basic Photography - Digital	
Choose course(s) from the Arts and Humanities Electives list		3

16
Program Total: 68-69

*English course selection is based on placement test results (ENGL 1111 is 4 credits, only 3 credits apply to the degree).

**Students planning to transfer to a four-year college should take a sequence of math and/or science as advised by their counselor.

***Students may substitute either SPCH 1000 or SPCH 1100. One of these 3 credit courses may be required for students transferring to a four-year college.

Technical Electives: minimum 5 credits

BUSM 2350	Labor-Management Relations	3
BUSM 2380	Training Skills and Techniques	3
EMGT 1000	Introduction to Emergency Management	3
EMTS 1010	Emergency Medical Technician-Basic	6
OR		
EMTS 1050	Emergency Medical Technician-Refresher	2
EMTS 2011	Paramedic Beginner	12
EMTS 2021	Paramedic Intermediate A	4
EMTS 2031	Paramedic Intermediate B	4
EMTS 2041	Paramedic Advanced	4
FIRE 1150	Firefighter Orientation	1
FIRE 1340	Hazardous Materials for First Responders	1
FIRE 1800	Fire Science Guided Study	1-4
FIRE 2150	Advanced Firefighter	3
PHOT 2100	Forensic Photography	3
PHOT 2200	Surveillance Photography	2

Natural Science/Mathematics Electives: minimum 3 credits

Any Mathematics course(s) from MATH 1550 or higher	3-4	
CHEM 1100	Elementary Chemistry	4
GEOL 1100	Introduction to Physical Geology	4
GEOL 1200	Introductory Historical Geology	4
PHYS 1500	Astronomy	4
PSCI 1100	Conceptual Physical Science	4
PSCI 1300	Earth Science	3
PSCI 1400	Introduction to Meteorology	3
Other courses as approved in advance by the program director.		

Arts and Humanities Electives: minimum 3 credits

ARTS 1120, 2220, 2230, 2240; ENGL 2250, 2260, 2280, 2290; HUMX 1100, 1200; MUSC 1200, 2200, 2250; PHIL 1500, 2000

Social and Behavioral Sciences Electives: minimum 3 credits

ANTH 1160; ECON 1150, 2500, 2600; GEOG 1500, 1600, 2500; HIST 1100, 1200, 2100, 2200, 2400; POLS 1300, 2500; PSYC 1500; SOCY 1150