Fire Science Technology
Associate of Applied Science

Purpose: The major in Fire Science Technology has been designed for students desiring to advance in the fire protective service occupations and to acquire a knowledge in fire protection fundamentals useful in related occupations. With the increasing complexity of modern technology in the fire protection field, it is necessary for fire protection personnel to acquire specialized knowledge and problem-solving skills to meet the challenge of a changing society.

Occupational Objectives: Firefighter, Fire Officer, Fire Protection Specialist, Fire/Emergency Instructor, Fire or Building Inspector, Fire Investigator, Rescue Service, Emergency Medical Service, Hazardous Materials Services, Emergency Manager, Occupational or Industrial Safety and Risk Management, and related occupations

Admission Requirements: General college curricular admission

Program Notes: The purpose of the Associate of Applied Science (AAS) degree curriculum is to prepare students for immediate employment upon graduation. Four-year college and university transfer opportunities for AAS degrees, if existing, are usually very specific in nature. JSRCC has formal transfer articulation agreements with four-year institutions that enable graduates who qualify to transfer courses completed in the AAS degree. These transfer articulation agreements are subject to change or expiration.

In addition, students may substitute some courses in the AAS degree curriculum with courses that typically transfer to senior institutions. Students interested in transferring in general or transferring under a formal transfer articulation agreement should consult their faculty advisor upon program entry for further guidance.

There are no physical requirements such as height, weight, eyesight, and physical dexterity; however, the student should understand that there may be some requirements for employment in the fire or rescue service agencies.

Computer Competency Requirement: Students in this program will meet the college's computer competency requirement by successfully completing ITE 115. Students can also meet this requirement by passing the college's computer competency exam, administered in the testing centers on each campus, in which case they will receive college credit for ITE 115. Students not passing the computer competency exam may retake the exam only once.

CURRICULUM				
COURSE	**TITLE**	**LECTURE HOURS**	**LAB HOURS**	**COURSE CREDITS**
SDV 100	College Success Skills	1	0	1
ENG 111	College Composition I	3	0	3
FST 100	Introduction to Emergency Services	3	0	3
FST 110	Fire Behavior and Combustion	3	0	3
___ ___[1]	Approved Natural Science Elective with Lab	3	3	4
___ ___[1]	Approved Social Science Elective	3	0	3
	TOTAL	16	3	17

ENG 112[2] ENG 115[2]	College Composition II or Technical Writing	3	0	3
FST 112	Hazardous Materials Chemistry	3	0	3
FST 115	Fire Prevention	3	0	3
MTH 120[3]	Introduction to Mathematics	3	0	3
___ ___[1]	Approved Social Science Elective	3	0	3
ITE 115	Basic Computer Literacy	3	0	3
	TOTAL	18	0	18
FST 240	Fire Administration	3	0	3
FST 235	Strategy and Tactics	3	0	3
___ ___[4]	Health and Wellness Elective or EMS 112, Emergency Medical Technician-Basic 1	0-3	0-4	2-3
FST 120	Occupational Health and Safety	3	0	3
FST 220	Building construction for the Fire Service	3	0	3
___ ___[1]	Approved Humanities or Fine Arts Elective	3	0	3
	TOTAL	15-18	0-4	17-18
FST 205	Fire Protection Hydraulics and Water Supply	3	0	3
FST 245	Fire and Risk Analysis	3	0	3
FST 210	Legal Aspects of Emergency Services	3	0	3
FST 215	Fire Protection Systems	3	0	3
SPD 100 FST 135	Principles of Public Speaking or Fire Instructor 1	3	0	3
	TOTAL	15	0	15
Total Minimum Credits for AAS Degree in Fire Science Technology				**67**

[1] A list of approved electives is available from the school or program office.
[2] ENG 112 is recommended for students planning to attend a four-year institution.
[3]Students planning to attend a four-year institution are recommended to take MTH 151, 170 or 163 in place of MTH 120.
[4]EMS 111 or 112 satisfy the general education requirement for health or physical education (wellness). Students who have a valid EMT certificate will be given credit for EMS 112 when all other curriculum requirements have been met. Students may also choose from approved health and wellness courses. See school or program offices for list of courses.