

Fire Science Technology (2911) (A.S.)

ASSOCIATE IN SCIENCE RECOMMENDED ROADMAP

This academic roadmap is designed to help you select courses each term for your **Associate in Science Degree in Fire Science Technology (2911) (A.S.)**.

Courses in the program are offered only once per year. This roadmap is based on fall entry into the program, with supplemental guidance for students who enter in the spring term. Full-time students will refer to the term-by-term recommendations, and part-time students will refer to the course-by-course recommendations. "Mile Markers and Notes" on the Roadmap refer to important guidelines for program completion.

This roadmap is intended to provide general guidance about recommended courses and mile markers. For specific guidance about your individual academic degree plan, please see a program advisor. Please also refer to the College Catalog for additional information.

Embedded Certificate(s)

Two technical certificates, Fire Officer Supervisor (6455) (T.C.) and Emergency Medical Technician (6394) (T.C.), are included as options within this degree program. Students may pursue the A.S. degree and earn technical certificates while completing the requirements for the degree or pursue the certificate to develop or upgrade their skills. Contact an advisor to determine the career education path that is best for you.

Career Options: In addition to community fire departments, career opportunities in government installations, such as airports and private firefighting companies, exist. There is also a need for inspectors, investigators, forest rangers, and smoke jumpers. In all cases, employment is based on high test scores and outstanding skills. If you are interested in these fields, you should note that most agencies will likely not accept you if you have serious driving infractions or criminal infractions, such as serious misdemeanors or felony arrests/convictions. According to the Bureau of Labor Statistics, employment of firefighters is expected to grow by seven percent nationally. Physically fit applicants with high test scores and some postsecondary firefighter education and paramedic training will have the best prospects.

Term Offered: F = Fall Sp = Spring Sm = Summer

Available Modalities: HB = Hybrid OC = On-Campus OL = Online

Full-Time Students: Term-by-Term	Part-Time Students: Course-by-Course	Course: Course Title	Credit Hours	T.C. in Fire Officer Supervisor	T.C. in Emergency Medical Technician*	Term Offered	Available Modalities	Mile Markers and Notes
Term 1								Complete an academic degree plan with your advisor.
	1.	ENC 1101: English Composition I	3					Follow up with an advisor about any accelerated credits that you may have earned (e.g., dual enrollment, AP, CLEP, etc.).
	2.	Choose 1 General Education Mathematics	3					ENC 1101C can be taken in place of ENC 1101. Please speak with your advisor for more information.
	3.	Choose 1 General Education Social and Behavioral Sciences	3					See the options for the General Education Requirements in the current College Catalog.
	4.	Choose 1 General Education Humanities	3					See the options for the General Education Requirements in the current College Catalog. Students who select the Fire Science Cadet Academy track must take INP 1390.
	5.	FFP 1702: Principles of Emergency Services OR FFP 1009: Articulated Credit for Fire Fighter I/II: Career Certificate Completion and State Certification Exams	3	X		F, Sp, Sm	OL, HB	See the options for the General Education Requirements in the current College Catalog. Students who select the Fire Science Cadet Academy track must take PHI 2603. Students who select the Fire Science Cadet Academy track should take FFP 1009.

Term 2 (Fall Entry)	6.	Choose 1 General Education Natural Sciences	3					See the options for the General Education Requirements in the current College Catalog. Students who select the Fire Science Cadet Academy track must take CHM 1020. See the list of professional elective options below. Professional elective courses EMS 1119, EMS 1119L, and EMS 1421 are embedded within the selective access Emergency Medical Services (2251) A.S. degree program. Prior to registering for these courses, students must contact the EMS Program Manager.
	7.	FFP 2540: Private Fire Protection Systems I	3	X		Sp	HB	
	8.	FFP 2120: Building Construction for Fire Service	3			Sp	HB	
	9.	Choose 2 Professional Electives	6				OC	
Term 2 (Spring Entry)	6.	Choose 1 General Education Natural Sciences	3					
	7.	FFP 2610: Fire Behavior and Combustion	3	X		F	HB	
	8.	FFP 2505: Fire Prevention Practices	3			F	HB	
	9.	Choose 2 Professional Electives	6					
Term 3 (Fall Entry)	10.	FFP 2301: Fire Service Hydraulics	3			F	HB	
	11.	FFP 2670: Legal Issues in Fire Service	3	X		F	HB	
	12.	FFP 2610: Fire Behavior and Combustion	3	X		F	HB	
	13.	FFP 2505: Fire Prevention Practices	3			F	HB	
	14.	Choose 1 Professional Elective	3				HB	
Term 3 (Spring Entry)	10.	FFP 2111: Fire Chemistry	3			Sp		
	11.	FFP 2730: Fire Department Administration	3			Sp		
	12.	FFP 2740: Fire Service Course Delivery	3	X		Sp		
	13.	Choose 2 Professional Electives	6					

Term 4 (Fall Entry)	15.	FFP 2111: Fire Chemistry	3			Sp	HB	
	16.	FFP 2730: Fire Department Administration	3			Sp	HB	
	17.	FFP 2740: Fire Service Course Delivery	3	X		Sp	HB	
	18.	Choose 2 Professional Electives	6					
Term 4 (Spring Entry)	15.	FFP 2301: Fire Service Hydraulics	3			F	HB	
	16.	FFP 2670: Legal Issues in Fire Service	3	X		F	HB	T.C. in Fire Officer Supervisor earned
	17.	FFP 2120: Building Construction for Fire Service	3			F	HB	
	18.	FFP 2540: Private Fire Protection Systems I	3			F	HB	
	19.	Choose 1 Professional Elective	3				HB	See the list of professional elective options below. Professional elective courses EMS 1119, EMS 1119L, and EMS 1421 are embedded within the selective access Emergency Medical Services (2251) A.S. degree program. Prior to registering for these courses, students must contact the EMS Program Manager. Apply for graduation by the required date. <i>Congratulations, Graduate! Celebrate your success at Commencement!</i>
Total Program Credit Hours =			60	12				

Important for You to Know:

- This academic roadmap does not include developmental education courses in reading, writing, and/or mathematics that you may be required to take. In addition, it does not include MAT 1033: Intermediate Algebra, which, for many students, is a prerequisite course for MAC 1105. Please consult with an advisor for individual assistance.
- All Fire Science Courses (FFP) listed other than FFP 1702 are offered only once in an academic year during the fall or spring terms. When planning your schedule, pay close attention to when each course is offered.
- *Many of the required courses for the technical certificate in Emergency Medical Technician come from the professional elective area for the Associate in Science in Fire Science Technology and do not appear directly on the above program roadmap. Therefore, the Emergency Medical Technician professional coursework, which totals 12 credit hours), is listed below:

EMS 1119: EMT Lecture/Didactic (Credit Hours: 6). This course is embedded within the selective access Emergency Medical Services (E.M.S.) (2251) (A.S.) degree program. Prior to registering for this course, students must contact the EMS Program Manager. Students who select the Fire Science Academy Track must take this course.

EMS 1119L: EMT Skills Lab (Credit Hours: 4). This course is embedded within the selective access Emergency Medical Services (E.M.S.) (2251) (A.S.) degree program. Prior to registering for this course, students must contact the EMS Program Manager. Students who select the Fire Science Academy Track must take this course.

EMS 1421: EMT Clinical Experience (ED & Field) (Credit Hours: 2). Prior to registering for this course, students must contact the EMS Program Manager. Students who select the Fire Science Academy Track must take this course.

- **Professional Elective Options for the A.S. Degree** (15 credit hours required)

Select from one of the following tracks and complete 15 credit hours within the chosen track:

Fire Science Cadet Academy Track

EMS 1421: EMT Clinical Experience (ED & Field) (Credit Hours: 2). Prior to registering for this course, students must contact the EMS Program Manager. Students who select the Fire Science Academy Track must take this course.

EMS 1119: EMT Lecture/Didactic (Credit Hours: 6). This course is embedded within the selective access Emergency Medical Services (E.M.S.) (2251) (A.S.) degree program. Prior to registering for this course, students must contact the EMS Program Manager. Students who select the Fire Science Academy Track must take this course.

EMS 1119L: EMT Skills Lab (Credit Hours: 4). This course is embedded within the selective access Emergency Medical Services (E.M.S.) (2251) (A.S.) degree program. Prior to registering for this course, students must contact the EMS Program Manager. Students who select the Fire Science Academy Track must take this course.

FFP 2810: Fire Fighting Tactics and Strategy I (Credit Hours: 3). Note: Students who select the Fire Science Academy Track must take this course.

Fire Science Technology Track

CCJ 1020: Introduction to Criminal Justice (Credit Hours: 3)

CJE 2600: Criminal Investigation (Credit Hours: 3)

DSC 1004: Introduction to NRF and NIMS (Credit Hours: 3)

DSC 1006: Introduction to Emergency Administration and Management (Credit Hours: 3)

DSC 1552: Risk Analysis (Credit Hours: 3)

DSC 1631: Disaster Planning, Mitigation and Preparedness (Credit Hours: 3)

EMS 1421: EMT Clinical Experience (ED & Field) (Credit Hours: 2). This course is embedded within the selective access Emergency Medical Services (E.M.S.) (2251) (A.S.) degree program. Prior to registering for this course, students must contact the EMS Program Manager. Students who select the Fire Science Academy Track must take this course.

EMS 1119: EMT Lecture/Didactic (Credit Hours: 6). This course is embedded within the selective access Emergency Medical Services (E.M.S.) (2251) (A.S.) degree program. Prior to registering for this course, students must contact the EMS Program Manager. Students who select the Fire Science Academy Track must take this course.

EMS 1119L: EMT Skills Lab (Credit Hours: 4). This course is embedded within the selective access Emergency Medical Services (E.M.S.) (2251) (A.S.) degree program. Prior to registering for this course, students must contact the EMS Program Manager. Students who select the Fire Science Academy Track must take this course.

ENC 2210: Technical Report Writing (Credit Hours: 3)

FFP 2521: Construction Documents and Plans Review (Credit Hours: 3)

FFP 2604: Origin and Cause (Credit Hours: 3)

FFP 2810: Fire Fighting Tactics and Strategy I (Credit Hours: 3). Note: Students who select the Fire Science Academy Track must take this course.

FFP 2811: Fire Fighting Tactics and Strategy II (Credit Hours: 3)

MAN 2021: Principles of Management (Credit Hours: 3)