

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

### RECOMMENDED ROADMAP

This Roadmap is a recommended way to complete this program of study. Course availability is subject to change. In some cases, a specific course is shown, but there are other options available. To review and consider other courses, see the note at the bottom of this page. Part-time students should refer to the Recommended Course Sequence list. Consult an Academic Advisor or the Professional Studies & Public Safety department before creating your actual Academic Degree Plan and refer to the [FSCJ Catalog](#) for more information.

#### 1st Term

Course ID	Course Title	Credit Hours	Grade Earned
1* ENC 1101	English Composition I	3	
2* See Note Below	Choose 1 General Education Mathematics	3	
2* 3* See Note Below	Choose 1 General Education Social and Behavioral Science	3	
2* 4* See Note Below	Choose 1 General Education Humanities	3	
FFP 1702 OR 5*FFP 1009	Principles of Emergency Services OR Articulated Credit for Fire Fighter I/II PSAV Completion and State Certification Exams	3	

**Term Total = 15**

#### 3rd Term

Course ID	Course Title	Credit Hours	Grade Earned
FFP 2301	Fire Service Hydraulics	3	
FFP 2740	Fire Service Course Delivery	3	
FFP 2540	Private Fire Protection Systems I	3	
FFP 2505	Fire Prevention Practices	3	
7* 8* See Note Below	Choose 1 Professional Elective	3	

**Term Total = 15**

#### Program Notes:

- 1\* ENC 1101C can be taken in place of ENC 1101. Please speak with your advisor for more information.
- 2\* See the options for the [General Education Requirements](#) in the 2020-2021 [FSCJ Catalog](#).
- 3\* Students who select the Fire Science Cadet Academy track must take INP 1390 - Human Relations in Business and Industry (Credit Hours: 3).
- 4\* Students who select the Fire Science Cadet Academy track must take PHI 2608 - Introduction to Applied Ethics (Credit Hours: 3).
- 5\* Students who select the Fire Science Cadet Academy track should take FFP 1009 - Articulated Credit for Fire Fighter I/II PSAV Completion and State Certification Exams (Credit Hours: 3).

#### 2nd Term

Course ID	Course Title	Credit Hours	Grade Earned
2* 6* See Note Below	Choose 1 General Education Natural Science	3	
FFP 2610	Fire Behavior and Combustion	3	
FFP 2120	Building Construction for Fire Service	3	
7* 8* See Note Below	Choose 2 Professional Electives	6	

**Term Total = 15**

#### 4th Term

Course ID	Course Title	Credit Hours	Grade Earned
FFP 2111	Fire Chemistry	3	
FFP 2730	Fire Department Administration	3	
FFP 2670	Legal Issues in Fire Service	3	
7* 8* See Note Below	Choose 2 Professional Elective	6	

**Term Total = 15**

**Total Credit Hours = 60**

- 6\* Students who select the Fire Science Cadet Academy track must take CHM 1020 - Chemistry for Liberal Arts (Credit Hours: 3).
- 7\* See the professional elective options on page 2 or in the catalog at [fscj.edu/2911](#)
- 8\* Professional elective courses EMS 1119 - EMT Lecture/Didactic (Credit Hours: 6), EMS 1119L - EMT Skills Lab (Credit Hours: 4) and EMS 1421 - EMT Clinical Experience (ED & Field) (Credit Hours: 2) are embedded within the selective access Emergency Medical Services (2251) A.S. degree program. Prior to registering for these course students must contact the EMS Program Manager.

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## Fire Science Technology (2911) (A.S.) Catalog Year 2020-2021

Students who wish to enroll in the Fire Science Cadet Academy track must contact Professor Robert Massicotte at [Robert.Massicotte@fscj.edu](mailto:Robert.Massicotte@fscj.edu).

The Fire Science Cadet Academy track prepares students to receive their A.S. degree and to sit for the Florida Firefighter Certification exams.

### ***Professional Elective Coursework (minimum 15 credit hours required):***

Select from one of the following tracks:

#### ***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).

### ***Notes:***

- Students must take FFP 1702 during their first semester because it is a prerequisite for all other fire sciences courses. Students who do not take this course as early as possible will not be able to register for any other fire science courses and will be delayed in completing their program.
- Students interested in a career as a firefighter should take EMS 1119 (6 credits) and EMS 1401 (3 credits) for 9 of the 15 credits required for professional electives. These classes will provide the student with the ability to be certified as an Emergency Medical Technician, which is one of the requirements to apply for the fire fighter's position.
- Please speak with the program manager at least once a semester to ensure timely completion.
- Certified Firefighters may be eligible for articulated credit; inquire with instructional program manager.

## Fire Science Technology (2911) (A.S.) Catalog Year 2020-2021

### RECOMMENDED COURSE SEQUENCE

This list shows a recommended sequence for completing the courses in this program of study. Course availability is subject to change. **Part-time students** should use this list to determine which courses to take next that fit their schedule. In some cases, a specific course is shown, but there are other options available. To review and consider other courses, see the note on page 1. Consult an Academic Advisor or the Professional Studies & Public Safety before creating your actual Academic Degree Plan and refer to the [FSCJ Catalog](#) for more information.

- **ENC 1101 - English Composition I (Credit Hours: 3) - Prerequisites:** Satisfactory score on the placement test (for non-exempt students only). See program note 1\*.
- **Choose 1 General Education Mathematics.** See program note 2\*.
- **Choose 1 General Education Social and Behavioral Science.** See program note 3\*.
- **Choose 1 General Education Humanities.** See program note 4\*.
- **FFP 1702 - Principles of Emergency Services (Credit Hours: 3) - Prerequisites:** None
- **Choose 1 General Education Natural Science.** See program note 6\*.
- **FFP 2610 - Fire Behavior and Combustion (Credit Hours: 3) - Prerequisites:** FFP 1702.
- **FFP 2120 - Building Construction for Fire Service (Credit Hours: 3) - Prerequisites:** FFP 1702 and ENC 1101 or higher.
- **Choose 1 Professional Elective** (see list under program note 7\* above) (Credit Hours: 3).
- **Choose 1 Professional Elective** (see list under program note 7\* above) (Credit Hours: 3).
- **FFP 2301 - Fire Service Hydraulics (Credit Hours: 3) - Prerequisites:** FFP 1702 and MAC 1105 or higher level MAC course or MAP 2302 or MGF 1106 or MGF 1107.
- **FFP 2740 - Fire Service Course Delivery (Credit Hours: 3) - Prerequisites:** FFP 1702.
- **FFP 2540 - Private Fire Protection Systems I (Credit Hours: 3) - Prerequisites:** FFP 1702 and ENC 1101 or higher.
- **FFP 2505 - Fire Prevention Practices (Credit Hours: 3) - Prerequisites:** FFP 1702 and ENC 1101 or higher.
- **Choose 1 Professional Elective** (see list under program note 7\* above) (Credit Hours: 3)
- **FFP 2111 - Fire Chemistry (Credit Hours: 3) - Prerequisites:** FFP 1702.
- **FFP 2730 - Fire Department Administration (Credit Hours: 3) - Prerequisites:** FFP 1702 and ENC 1101 or higher.
- **FFP 2670 - Legal Issues in Fire Service (Credit Hours: 3) - Prerequisites:** FFP 1702.
- **Choose 1 Professional Elective** (see list under program note 7\* above) (Credit Hours: 3).
- **Choose 1 Professional Elective** (see list under program note 7\* above) (Credit Hours: 3).

**Total Credit Hours = 60**

To view a list of the [General Education Requirements](#), please visit our online catalog: <https://catalog.fscj.edu/>.

### CAREER OPTIONS

In addition to community fire departments, there are opportunities in government installations such as airports, as well as private firefighting companies. 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. However, 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 other criminal infractions to include serious misdemeanor 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 should have the best prospects.

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