

Aviation Administration (Air Traffic Control) (2360) (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 Engineering & Industry 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*,3* See Notes Below	Choose 1 General Education Mathematics	3	
ASC 1010	Foundations of Air Transportation	3	
ATT 1100	Private Pilot Ground School	3	
ATT 1810	Environment of the Air Traffic Controller	3	

Term Total = 15

2nd Term

Course ID	Course Title	Credit Hours	Grade Earned
2* See Note Below	Choose 1 General Education Physical Science	3	
ASC 1210	Aviation Weather	3	
4* ATT 2820	Air Traffic Control	3	
5* See Note Below	Choose 1 Professional Elective	3	
AVM 2120	Air Cargo Operations	3	

Term Total = 15

3rd Term

Course ID	Course Title	Credit Hours	Grade Earned
POS 2112	State and Local Government	3	
ASC 1310	Aviation Regulations and Legal Issues	3	
ASC 2870	Aviation Safety	3	
AVM 1440	Aviation and Airport Security	3	
AVM 2022	Flight Operations Management	3	

Term Total = 15

4th Term

Course ID	Course Title	Credit Hours	Grade Earned
PHI 2603	Introduction to Applied Ethics	3	
AVM 2410	Principles of Airport Management	3	
AVM 2510	Aviation Management and Marketing	3	
5* See Note Below	Choose 2 Professional Electives	6	

Term Total = 15

Program Concentrations:

There are currently three (3) concentrations available in this degree. Students wishing to pursue a concentration should choose the elective courses accordingly.

- ❖ **Aircraft Dispatcher**
 - ATT 1120 Instrument Rating Ground School (4th Term)
 - AVM 2132 Flight Dispatch and Scheduling (4th Term)
- ❖ **Air Traffic Control (AT-CTI)**
 - ATT 2822 Advanced Tower Operations (2nd Term)
 - ATT 2823 Air Traffic Control Non-Radar (4th Term)
 - ATT 2824 Air Traffic Control Radar (4th Term)
- ❖ **Unmanned Aerial Systems (UAS)**
 - ASC 2560 Unmanned Aerial Vehicles and Systems (2nd Term)
 - ASC 2561 Unmanned Aerial Systems Operations (4th Term)

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 2020-21 [FSCJ Catalog](#).

3* AT-CTI (air traffic control) students must take MAC 1105 or higher.

4* AT-CTI courses are offered in the Spring (2820/2822) and Fall (2823/2824) terms. Students should plan accordingly to avoid extending their time in the program.

5* See the professional elective options on the next page or in the catalog at fscj.edu/2360.

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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 Engineering & Industry department 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*.** AT-CTI students must take MAC1105 or higher.
- **ASC 1010** - Foundations of Air Transportation/National Airspace System (Credit Hours: 3) - **Prerequisites:** None
- **ATT 1100** - Private Pilot Ground School (Credit Hours: 3) - **Prerequisites:** None.
- **ATT 1810** - Environment of the Air Traffic Controller (Credit Hours: 3) - **Prerequisites:** None.
- **Choose 1 General Education Physical Science. See program note 2*.**
- **ASC 1210** - Aviation Weather (Credit Hours: 3) - **Prerequisites:** None.
- **ATT 2820** - Air Traffic Control (Credit Hours: 3) - **Prerequisites:** ATT 1810. **See program note 4*.**
- **Choose 1 Professional**
- **1 Elective** (see list below) (Credit Hours: 3) **See program notes 4* and 5*.**
- **AVM 2120** - Air Cargo Operations (Credit Hours: 3) - **Prerequisites:** None
- **POS 2112** - State and Local Government - **Prerequisites:** Qualify for enrollment in ENC 1101
- **ASC 1310** - Aviation Regulations and Legal Issues (Credit Hours: 3) - **Prerequisites:** None
- **ASC 2870** - Aviation Safety (Credit Hours: 3) - **Prerequisites:** None
- **AVM 1440** - Aviation and Airport Security (Credit Hours: 3) - **Prerequisites:** None
- **AVM 2022** – Flight Operations Management (Credit Hours: 3) - **Prerequisites:** ASC 1010, ASC 1210, ASC 1310, ATT 1100, ATT 1810
- **PHI 2603** – Introduction to Applied Ethics - **Prerequisites:** Qualify for enrollment in ENC 1101
- **AVM 2410** – Principles of Airport Management (Credit Hours: 3) - **Prerequisites:** None
- **AVM 2510** – Aviation Management and Marketing (Credit Hours: 3) - **Prerequisites:** ASC 1010, ASC 1310, ATT 1810
- **Choose 2 Professional Electives** (see list below) (Credit Hours: 6) **See program notes 4* and 5*.**

Professional Elective Options (9 credit hours required):

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| • ASC 1054 – Intro to Commercial Space Operations (Credit Hours: 3) | • AVM 2941 - Aviation Operations Internship (Credit Hours: 3) |
| • ASC 2560 - Unmanned Aerial Vehicles and Systems (Credit Hours: 3) | • CGS 1100 – Microcomputer. App. for Business and Economics (Credit Hours: 3) |
| • ASC 2561 - Unmanned Aerial Systems Operations (Credit Hours: 3) | • ECO 2013 - Principles of Economics I (Credit Hours: 3) |
| • ATT 1120 - Instrument Rating Ground School (Credit Hours: 3) | • ECO 2023 - Principles of Economics II (Credit Hours: 3) |
| • ATT 2822 – Advanced Tower Operations (Credit Hours: 3) | • GEB 1011 - Introduction to Business (Credit Hours: 3) |
| • ATT 2823 – Air Traffic Control Non-Radar (Credit Hours: 3) | • MAN 2043 - Quality Management (Credit Hours: 3) |
| • ATT 2824 – Air Traffic Control Radar (Credit Hours: 3) | • INP 1390 - Human Relations in Business and Industry (Credit Hours: 3) |
| • AVM 2132 – Flight Dispatch and Scheduling (Credit Hours: 3) | |

Total Credit Hours = 60

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

CAREER OPTIONS

There are numerous career paths available following completion of this degree, including airport and fixed-base operations management, as well as airline careers such as gate agent, ramp agent, and flight attendant.

Students who complete the aircraft dispatch “track” can go on to earn the FAA’s Aircraft Dispatcher certificate* and work for business and/or charter operations, air ambulance, and airlines, and aircraft dispatcher. *Passing both a written and practical test is required, and there may be additional costs outside of FSCJ.

Graduates who follow the ATC “track,” and complete the AT-CTI requirements* will receive an endorsement to apply to the FAA as an Air Traffic Controller. *AT-CTI has specific course and GPA, and students should be familiar with both the FAA’s hiring policy, as well as hiring requirements such as medical, psychological, and background checks prior to employment.

Students who complete the Unmanned Aerial System (UAS) “track” will be ready to take the FAA’s Part 107 Remote Pilot exam, and earn the certificate needed to conduct commercial “drone” flights and operations. As this is a new and evolving industry, there are too many jobs to describe with pilots finding new uses for UAS on a weekly basis.

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