

# AVIATION SCIENCE, A.S.

This is an Associate of Science Degree in Aviation Science program. The program's goal is to prepare students for a career as a Certified Flight Instructor (CFI). The program's objectives are to prepare each student to meet the Federal Aviation Authority's (FAA) requirements for the aeronautical knowledge for a Certified Flight Instructor. In addition to the completion of 6 core AVIA courses, students must also complete all MSJC General Education Option A requirements for a total of 60 units to earn the Associate of Science degree in Aviation Science.

AS.AVIA

## Program Maps

### Design Your Future!

Begin by exploring MSJC program maps to find career or transfer (<https://msjc.emsicc.com/?radius=&region=All%20Regions>) opportunities. Program maps show the recommended course sequence that leads to graduation or transfer. The maps were developed by program experts to give you the skills and knowledge you need to succeed.

- **Starting in Spring?** Choose Fall Semester 1 courses.
- **Are you a part-time student?** Start Fall Semester 1 courses and follow the course sequence.

## MSJC General Education Option A

| Fall Semester 1 |                                                      | Units     |
|-----------------|------------------------------------------------------|-----------|
| AVIA-700        | Aviation Orientation                                 | 1         |
| AVIA-503        | Private Pilot Ground School                          | 5         |
| ENGL-101        | College Composition                                  | 3         |
| CSCR-116        | Integrative Career/Life Planning (formerly GUID-116) | 3         |
| PS-101          | Introduction to American Government and Politics     | 3         |
| <b>Units</b>    |                                                      | <b>15</b> |

| Spring Semester 1 |                                         | Units     |
|-------------------|-----------------------------------------|-----------|
| AVIA-500          | Aviation Weather                        | 3         |
| AVIA-505          | Instrument Rating Ground School         | 3         |
| MATH-140          | Introduction to Statistics <sup>1</sup> | 3         |
| ENGL-103          | Critical Thinking and Writing           | 3         |
| GEOG-111          | Geography of California                 | 3         |
| <b>Units</b>      |                                         | <b>15</b> |

| Fall Semester 2 |                                | Units     |
|-----------------|--------------------------------|-----------|
| AVIA-507        | Commercial Pilot Ground School | 3         |
| COMM-100        | Public Speaking                | 3         |
| GEOG-101        | Physical Geography             | 3         |
| GEOG-104        | Physical Geography Lab         | 1         |
| ART-100         | Art Appreciation               | 3         |
| HIST-104        | World History Since 1500       | 3         |
| <b>Units</b>    |                                | <b>16</b> |

| Spring Semester 2 |                                           | Units |
|-------------------|-------------------------------------------|-------|
| AVIA-710          | Certified Flight Instructor Ground School | 3     |
| ANTH-101          | Biological Anthropology                   | 3     |
| GEOG-105          | Map Interpretation and Spatial Analysis   | 3     |

|                    |                            |           |
|--------------------|----------------------------|-----------|
| PS/ETHS-103        | Ethnic Politics in America | 3         |
| PHIL-105           | Introduction to Ethics     | 3         |
| <b>Units</b>       |                            | <b>15</b> |
| <b>Total Units</b> |                            | <b>61</b> |

<sup>1</sup> **AREA G (Math Competency) can be demonstrated by a high school math course at or above the level of Algebra 2 with a grade of C or better.**

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## Requirements

An Associate Degree in this program requires students to complete MSJC's local General Education, Option A, by fulfilling all general education areas. In addition, students must complete all major requirements and complete an overall total of 60 degree applicable units with a minimum 2.0 GPA.

| Course                                                                                                                                                                                                                         | Title | Credits   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------|
| <b>MSJC General Education Option A (<a href="https://catalog.msjc.edu/degrees-certificates-curricula/general-education-option-a/">https://catalog.msjc.edu/degrees-certificates-curricula/general-education-option-a/</a>)</b> |       | <b>24</b> |
| <b>Required Aviation Courses</b>                                                                                                                                                                                               |       | <b>18</b> |
| <b>Electives (as needed to reach 60 units)</b>                                                                                                                                                                                 |       |           |

| Course                  | Title                                     | Credits   |
|-------------------------|-------------------------------------------|-----------|
| <b>Required Courses</b> |                                           |           |
| AVIA-500                | Aviation Weather                          | 3         |
| AVIA-503                | Private Pilot Ground School               | 5         |
| AVIA-505                | Instrument Rating Ground School           | 3         |
| AVIA-507                | Commercial Pilot Ground School            | 3         |
| AVIA-700                | Aviation Orientation                      | 1         |
| AVIA-710                | Certified Flight Instructor Ground School | 3         |
| <b>Total Units</b>      |                                           | <b>18</b> |

## Career Exploration

Discover information about careers that interest you!

1. Take a **Career Quiz** (<https://msjc.emsicc.com/assessment/>) to learn about yourself and receive career suggestions based on your interests.
2. Search available **in-demand jobs** (<https://msjc.emsicc.com/browse-careers/>) in your career areas of interest and find up-to-date salaries and education requirements.
3. Find the **MSJC Program** (<https://msjc.emsicc.com/browse-programs/>) that connects your interests to a career.

Note: There are no guaranteed positions for students completing these programs. Education and work experience required will vary by employer. The salary and benefits for specific occupations will be dependent on work experience, education, background, and employer.