

# M.S. in Aviation Safety

## Worldwide Program Requirements

|                        |                 |
|------------------------|-----------------|
| Core Requirements      | 30              |
| Thesis Option          | 6               |
| <b>Total Credits *</b> | <b>30 or 36</b> |

\* 30.00 Credit Hours without Thesis Option.  
36.00 Credit Hours with Thesis Option.

## Program Details

The Master of Science in Aviation Safety requires successful completion of a minimum of 30 credit hours. Students enrolled in the Worldwide Graduate Online program may complete the degree in six terms, or approximately two years, assuming full-time enrollment and continuous progress. Students pursuing this graduate degree must earn a minimum cumulative grade point average (CGPA) of 3.00 for all work completed at the University. The courses required to earn this degree are listed below.

Students should be aware that many courses have prerequisites and/or corequisites. Students are responsible for ensuring that all prerequisite and degree requirements are satisfied prior to enrollment in advanced coursework. The suggested plan of study is provided as a guide. A student's actual plan of study may vary based on term of admission, course availability, transfer credit, and other academic considerations. Students should consult with their academic advisor to develop an individualized plan of study.

Students may elect to complete either the standard 30-credit curriculum or the 36-credit thesis option. Students interested in the thesis option should consult with their academic advisor to ensure appropriate planning, sequencing of RSCH 700A and RSCH 700B, and fulfillment of all thesis requirements.

## Core Requirements

|                      |                                                        |           |
|----------------------|--------------------------------------------------------|-----------|
| ASCI 604             | Human Factors in the Aviation/Aerospace Industry       | 3         |
| ASCI 645             | Airport Operations and Management                      | 3         |
| ASCI 693             | Current Research Problems in Aviation/Aerospace        | 3         |
| AVSF 611             | Aviation/Aerospace System Safety                       | 3         |
| AVSF 612             | Aviation/Aerospace Industrial Safety Management        | 3         |
| AVSF 627             | Aviation Safety Data Management and Analysis           | 3         |
| MSAV 608             | Aviation/Aerospace Accident Investigation and Analysis | 3         |
| MSAV 621             | Aviation/Aerospace Safety Program Management           | 3         |
| RSCH 665             | Statistical Analysis                                   | 3         |
| SFTY 540             | Disaster Preparedness and Emergency Response           | 3         |
| <b>Total Credits</b> |                                                        | <b>30</b> |

## Thesis Option

|                      |                    |          |
|----------------------|--------------------|----------|
| RSCH 700A            | Graduate Thesis I  | 3        |
| RSCH 700B            | Graduate Thesis II | 3        |
| <b>Total Credits</b> |                    | <b>6</b> |

## Suggested Plans of Study

### Two Year Plan

#### Year One

| Requirements                                                | Credits  |
|-------------------------------------------------------------|----------|
| ASCI 604 - Human Factors in the Aviation/Aerospace Industry | 3        |
| <b>Semester Hours</b>                                       | <b>3</b> |

| Requirements                                | Credits  |
|---------------------------------------------|----------|
| AVSF 611 - Aviation/Aerospace System Safety | 3        |
| <b>Semester Hours</b>                       | <b>3</b> |

| Requirements                                               | Credits  |
|------------------------------------------------------------|----------|
| AVSF 612 - Aviation/Aerospace Industrial Safety Management | 3        |
| <b>Semester Hours</b>                                      | <b>3</b> |

| Requirements                                 | Credits  |
|----------------------------------------------|----------|
| ASCI 645 - Airport Operations and Management | 3        |
| <b>Semester Hours</b>                        | <b>3</b> |

| Requirements                                                      | Credits  |
|-------------------------------------------------------------------|----------|
| MSAV 608 - Aviation/Aerospace Accident Investigation and Analysis | 3        |
| <b>Semester Hours</b>                                             | <b>3</b> |

#### Total Credits

Total Hours for All Requirements: 15

#### Year Two

| Requirements                                            | Credits  |
|---------------------------------------------------------|----------|
| MSAV 621 - Aviation/Aerospace Safety Program Management | 3        |
| <b>Semester Hours</b>                                   | <b>3</b> |

| Requirements                                            | Credits  |
|---------------------------------------------------------|----------|
| SFTY 540 - Disaster Preparedness and Emergency Response | 3        |
| <b>Semester Hours</b>                                   | <b>3</b> |

| Requirements                                            | Credits  |
|---------------------------------------------------------|----------|
| AVSF 627 - Aviation Safety Data Management and Analysis | 3        |
| <b>Semester Hours</b>                                   | <b>3</b> |

| Requirements                    | Credits  |
|---------------------------------|----------|
| RSCH 665 - Statistical Analysis | 3        |
| <b>Semester Hours</b>           | <b>3</b> |

| Requirements                                               | Credits  |
|------------------------------------------------------------|----------|
| ASCI 693 - Current Research Problems in Aviation/Aerospace | 3        |
| <b>Semester Hours</b>                                      | <b>3</b> |

#### Total Credits

Total Hours for All Requirements: 15

### Two Year Plan - Thesis Option

12 Total Terms.

Year One

| Requirements                                                | Credits |
|-------------------------------------------------------------|---------|
| ASCI 604 - Human Factors in the Aviation/Aerospace Industry | 3       |
| Semester Hours                                              | 3       |

| Requirements                                | Credits |
|---------------------------------------------|---------|
| AVSF 611 - Aviation/Aerospace System Safety | 3       |
| Semester Hours                              | 3       |

| Requirements                                               | Credits |
|------------------------------------------------------------|---------|
| AVSF 612 - Aviation/Aerospace Industrial Safety Management | 3       |
| Semester Hours                                             | 3       |

| Requirements                                 | Credits |
|----------------------------------------------|---------|
| ASCI 645 - Airport Operations and Management | 3       |
| Semester Hours                               | 3       |

| Requirements                                                      | Credits |
|-------------------------------------------------------------------|---------|
| MSAV 608 - Aviation/Aerospace Accident Investigation and Analysis | 3       |
| Semester Hours                                                    | 3       |

Total Credits

Total Hours for All Requirements: 15

Year Two

| Requirements                                            | Credits |
|---------------------------------------------------------|---------|
| MSAV 621 - Aviation/Aerospace Safety Program Management | 3       |
| Semester Hours                                          | 3       |

| Requirements                                            | Credits |
|---------------------------------------------------------|---------|
| SFTY 540 - Disaster Preparedness and Emergency Response | 3       |
| Semester Hours                                          | 3       |

| Requirements                                            | Credits |
|---------------------------------------------------------|---------|
| AVSF 627 - Aviation Safety Data Management and Analysis | 3       |
| Semester Hours                                          | 3       |

| Requirements                    | Credits |
|---------------------------------|---------|
| RSCH 665 - Statistical Analysis | 3       |
| Semester Hours                  | 3       |

| Requirements                                               | Credits |
|------------------------------------------------------------|---------|
| ASCI 693 - Current Research Problems in Aviation/Aerospace | 3       |
| Semester Hours                                             | 3       |

Total Credits

Total Hours for All Requirements: 15

Year Three

| Requirements                  | Credits |
|-------------------------------|---------|
| RSCH 700A - Graduate Thesis I | 3       |
| Semester Hours                | 3       |

| Requirements                   | Credits |
|--------------------------------|---------|
| RSCH 700B - Graduate Thesis II | 3       |
| Semester Hours                 | 3       |

Total Credits

Total Hours for All Requirements: 6

One Year Plan

Year One

| Requirements                                                | Credits |
|-------------------------------------------------------------|---------|
| ASCI 604 - Human Factors in the Aviation/Aerospace Industry | 3       |
| AVSF 611 - Aviation/Aerospace System Safety                 | 3       |
| Semester Hours                                              | 6       |

| Requirements                                               | Credits |
|------------------------------------------------------------|---------|
| AVSF 612 - Aviation/Aerospace Industrial Safety Management | 3       |
| ASCI 645 - Airport Operations and Management               | 3       |
| Semester Hours                                             | 6       |

| Requirements                                                      | Credits |
|-------------------------------------------------------------------|---------|
| MSAV 608 - Aviation/Aerospace Accident Investigation and Analysis | 3       |
| MSAV 621 - Aviation/Aerospace Safety Program Management           | 3       |
| Semester Hours                                                    | 6       |

| Requirements                                            | Credits |
|---------------------------------------------------------|---------|
| SFTY 540 - Disaster Preparedness and Emergency Response | 3       |
| AVSF 627 - Aviation Safety Data Management and Analysis | 3       |
| Semester Hours                                          | 6       |

| Requirements                                               | Credits |
|------------------------------------------------------------|---------|
| RSCH 665 - Statistical Analysis                            | 3       |
| ASCI 693 - Current Research Problems in Aviation/Aerospace | 3       |
| Semester Hours                                             | 6       |

Total Credits

Total Hours for All Requirements: 30

One\* Year Plan - Thesis Option

\*7 Total Terms.

Year One

| Requirements                                                | Credits |
|-------------------------------------------------------------|---------|
| ASCI 604 - Human Factors in the Aviation/Aerospace Industry | 3       |
| AVSF 611 - Aviation/Aerospace System Safety                 | 3       |
| Semester Hours                                              | 6       |

| Requirements                                               | Credits |
|------------------------------------------------------------|---------|
| AVSF 612 - Aviation/Aerospace Industrial Safety Management | 3       |

|                                              |   |
|----------------------------------------------|---|
| ASCI 645 - Airport Operations and Management | 3 |
|----------------------------------------------|---|

|                       |          |
|-----------------------|----------|
| <b>Semester Hours</b> | <b>6</b> |
|-----------------------|----------|

|                     |                |
|---------------------|----------------|
| <b>Requirements</b> | <b>Credits</b> |
|---------------------|----------------|

|                                                                   |   |
|-------------------------------------------------------------------|---|
| MSAV 608 - Aviation/Aerospace Accident Investigation and Analysis | 3 |
|-------------------------------------------------------------------|---|

|                                                         |   |
|---------------------------------------------------------|---|
| MSAV 621 - Aviation/Aerospace Safety Program Management | 3 |
|---------------------------------------------------------|---|

|                       |          |
|-----------------------|----------|
| <b>Semester Hours</b> | <b>6</b> |
|-----------------------|----------|

|                     |                |
|---------------------|----------------|
| <b>Requirements</b> | <b>Credits</b> |
|---------------------|----------------|

|                                                         |   |
|---------------------------------------------------------|---|
| SFTY 540 - Disaster Preparedness and Emergency Response | 3 |
|---------------------------------------------------------|---|

|                                 |   |
|---------------------------------|---|
| RSCH 665 - Statistical Analysis | 3 |
|---------------------------------|---|

|                       |          |
|-----------------------|----------|
| <b>Semester Hours</b> | <b>6</b> |
|-----------------------|----------|

|                     |                |
|---------------------|----------------|
| <b>Requirements</b> | <b>Credits</b> |
|---------------------|----------------|

|                                                         |   |
|---------------------------------------------------------|---|
| AVSF 627 - Aviation Safety Data Management and Analysis | 3 |
|---------------------------------------------------------|---|

|                             |   |
|-----------------------------|---|
| RSCH 670 - Research Methods | 3 |
|-----------------------------|---|

|                       |          |
|-----------------------|----------|
| <b>Semester Hours</b> | <b>6</b> |
|-----------------------|----------|

### Total Credits

Total Hours for All Requirements: 30

### Year Two

|                     |                |
|---------------------|----------------|
| <b>Requirements</b> | <b>Credits</b> |
|---------------------|----------------|

|                               |   |
|-------------------------------|---|
| RSCH 700A - Graduate Thesis I | 3 |
|-------------------------------|---|

|                                                            |   |
|------------------------------------------------------------|---|
| ASCI 693 - Current Research Problems in Aviation/Aerospace | 3 |
|------------------------------------------------------------|---|

|                       |          |
|-----------------------|----------|
| <b>Semester Hours</b> | <b>6</b> |
|-----------------------|----------|

|                     |                |
|---------------------|----------------|
| <b>Requirements</b> | <b>Credits</b> |
|---------------------|----------------|

|                                |   |
|--------------------------------|---|
| RSCH 700B - Graduate Thesis II | 3 |
|--------------------------------|---|

|                       |          |
|-----------------------|----------|
| <b>Semester Hours</b> | <b>3</b> |
|-----------------------|----------|

### Total Credits

Total Hours for All Requirements: 9

### Estimated Cost of Attendance

Estimated Cost of Attendance: California Student Information (<https://catalog.erau.edu/student-life/student-affairs/california-student/>)