

# B.S. in Emergency Services

## Worldwide Program Requirements

|                                |            |
|--------------------------------|------------|
| General Education Requirements | 36         |
| Program Support Courses        | 6          |
| Specialization                 | 39         |
| Specified Electives            | 12         |
| Open Electives/Minor           | 27         |
| <b>Total Credits</b>           | <b>120</b> |

## Program Details

The Bachelor of Science in Emergency Services requires successful completion of a minimum of 120 credit hours. Students enrolled in the Worldwide Undergraduate Online program may complete the degree in 20 terms, or approximately four years, assuming full-time enrollment and continuous progress. Students pursuing this undergraduate degree must earn a minimum cumulative grade point average (CGPA) of 2.00 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.

## General Education Requirements

|                                                   |           |
|---------------------------------------------------|-----------|
| Communication                                     | 9         |
| COMM 122    English Composition                   |           |
| Any Communication above COMM 106                  |           |
| Any Communication above COMM 106                  |           |
| Humanities - Lower Level                          | 3         |
| Social Sciences - Lower Level                     | 3         |
| Humanities/Social Sciences - Lower or Upper Level | 3         |
| Humanities/Social Sciences - Upper Level          | 3         |
| Computer Science/Information Technology           | 3         |
| Mathematics                                       | 6         |
| Any Mathematics 6-Hour Sequence Above MATH 106    |           |
| Physical/Life Sciences                            | 6         |
| <b>Total Credits</b>                              | <b>36</b> |

## Program Support Courses

|                                                   |          |
|---------------------------------------------------|----------|
| RSCH 202    Introduction to Research Methods      | 3        |
| STAT 211    Statistics with Aviation Applications | 3        |
| or STAT 222    Business Statistics                |          |
| <b>Total Credits</b>                              | <b>6</b> |

## Specializations

### Aviation Emergency Management Specialization

|                                                                          |   |
|--------------------------------------------------------------------------|---|
| ESVS 301    Community Risk Reduction for the Fire and Emergency Services | 3 |
| ESVS 302    Fire Dynamics                                                | 3 |
| ESVS 303    Fire Protection Structures and Systems                       | 3 |
| ESVS 305    Fire Prevention Organization and Management                  | 3 |
| ESVS 400    Analytical Approaches to Public Fire Protection              | 3 |

|                                                                                    |           |
|------------------------------------------------------------------------------------|-----------|
| ESVS 401    Applications of Fire Research                                          | 3         |
| ESVS 404    Managerial Issues in Hazardous Materials                               | 3         |
| EMGY 400    Introduction to Incident Command System                                | 3         |
| ESVS 405    Personnel Management for Fire and Emergency Services                   | 3         |
| ESVS 480    Advanced Principles in Fire and Emergency Services Safety and Survival | 3         |
| AVSF 330    Aircraft Accident Investigation                                        | 3         |
| AVSF 350    Aircraft Crash and Emergency Management                                | 3         |
| AVSF 409    Aviation Safety                                                        | 3         |
| <b>Total Credits</b>                                                               | <b>39</b> |

## Fire and Emergency Services Specialization

|                                                                                    |           |
|------------------------------------------------------------------------------------|-----------|
| ESVS 201    Fire-Related Human Behavior                                            | 3         |
| ESVS 301    Community Risk Reduction for the Fire and Emergency Services           | 3         |
| ESVS 303    Fire Protection Structures and Systems                                 | 3         |
| ESVS 304    Fire Investigation and Analysis                                        | 3         |
| ESVS 305    Fire Prevention Organization and Management                            | 3         |
| ESVS 400    Analytical Approaches to Public Fire Protection                        | 3         |
| ESVS 401    Applications of Fire Research                                          | 3         |
| ESVS 402    Fire and Emergency Services Administration                             | 3         |
| ESVS 404    Managerial Issues in Hazardous Materials                               | 3         |
| EMGY 400    Introduction to Incident Command System                                | 3         |
| ESVS 405    Personnel Management for Fire and Emergency Services                   | 3         |
| ESVS 406    Political and Legal Foundations of Fire Protection                     | 3         |
| ESVS 480    Advanced Principles in Fire and Emergency Services Safety and Survival | 3         |
| <b>Total Credits</b>                                                               | <b>39</b> |

## Specified Electives

|                                               |           |
|-----------------------------------------------|-----------|
| Any ASCI/SFTY/ESVS/EMGY/SSIS/HLSC or SOSC 301 | 12        |
| <b>Total Credits</b>                          | <b>12</b> |

## Open Electives/Minor

|                                                            |           |
|------------------------------------------------------------|-----------|
| Open Electives                                             | 27        |
| Students Are Allowed to Use These Credits Toward a Minor * |           |
| <b>Total Credits</b>                                       | <b>27</b> |

\* Worldwide Minors can be found: [catalog.erau.edu/campuses/worldwide/](https://catalog.erau.edu/campuses/worldwide/) (<https://catalog.erau.edu/campuses/worldwide/>).

## Suggested Plans of Study

### Specialization: Aviation Emergency Management

#### Year One

| Requirements                   | Credits  |
|--------------------------------|----------|
| COMM 122 - English Composition | 3        |
| MATH Sequence 1 above MATH 106 | 3        |
| <b>Semester Hours</b>          | <b>6</b> |

| Requirements                   | Credits  |
|--------------------------------|----------|
| English/Communications (COMM)  | 3        |
| MATH Sequence 2 above MATH 106 | 3        |
| <b>Semester Hours</b>          | <b>6</b> |

| Requirements                            | Credits  |
|-----------------------------------------|----------|
| Computer Science/Information Technology | 3        |
| Open Elective                           | 3        |
| <b>Semester Hours</b>                   | <b>6</b> |

| Requirements                                | Credits  |
|---------------------------------------------|----------|
| English/Communications (COMM)               | 3        |
| RSCH 202 - Introduction to Research Methods | 3        |
| <b>Semester Hours</b>                       | <b>6</b> |

| Requirements           | Credits  |
|------------------------|----------|
| Physical/Life Sciences | 3        |
| Open Elective          | 3        |
| <b>Semester Hours</b>  | <b>6</b> |

### Total Credits

Total Hours for All Requirements: 30

### Year Two

| Requirements                                                            | Credits  |
|-------------------------------------------------------------------------|----------|
| ESVS 301 - Community Risk Reduction for the Fire and Emergency Services | 3        |
| Humanities - Lower Level                                                | 3        |
| <b>Semester Hours</b>                                                   | <b>6</b> |

| Requirements                  | Credits  |
|-------------------------------|----------|
| ESVS 302 - Fire Dynamics      | 3        |
| Social Sciences - Lower Level | 3        |
| <b>Semester Hours</b>         | <b>6</b> |

| Requirements                                      | Credits  |
|---------------------------------------------------|----------|
| ESVS 303 - Fire Protection Structures and Systems | 3        |
| Physical/Life Sciences                            | 3        |
| <b>Semester Hours</b>                             | <b>6</b> |

| Requirements                                        | Credits  |
|-----------------------------------------------------|----------|
| ESVS 404 - Managerial Issues in Hazardous Materials | 3        |
| Humanities/Social Sciences - Upper Level            | 3        |
| <b>Semester Hours</b>                               | <b>6</b> |

| Requirements                                                    | Credits  |
|-----------------------------------------------------------------|----------|
| ESVS 405 - Personnel Management for Fire and Emergency Services | 3        |
| Humanities/Social Sciences - Lower or Upper Level               | 3        |
| <b>Semester Hours</b>                                           | <b>6</b> |

### Total Credits

Total Hours for All Requirements: 30

### Year Three

| Requirements                                           | Credits  |
|--------------------------------------------------------|----------|
| ESVS 305 - Fire Prevention Organization and Management | 3        |
| Open Elective                                          | 3        |
| <b>Semester Hours</b>                                  | <b>6</b> |

| Requirements                                               | Credits  |
|------------------------------------------------------------|----------|
| ESVS 400 - Analytical Approaches to Public Fire Protection | 3        |
| Open Elective                                              | 3        |
| <b>Semester Hours</b>                                      | <b>6</b> |

| Requirements                               | Credits  |
|--------------------------------------------|----------|
| AVSF 330 - Aircraft Accident Investigation | 3        |
| Open Elective                              | 3        |
| <b>Semester Hours</b>                      | <b>6</b> |

| Requirements               | Credits  |
|----------------------------|----------|
| AVSF 409 - Aviation Safety | 3        |
| Open Elective              | 3        |
| <b>Semester Hours</b>      | <b>6</b> |

| Requirements                                       | Credits  |
|----------------------------------------------------|----------|
| AVSF 350 - Aircraft Crash and Emergency Management | 3        |
| Open Elective                                      | 3        |
| <b>Semester Hours</b>                              | <b>6</b> |

### Total Credits

Total Hours for All Requirements: 30

### Year Four

| Requirements                             | Credits  |
|------------------------------------------|----------|
| ESVS 401 - Applications of Fire Research | 3        |
| Open Elective                            | 3        |
| <b>Semester Hours</b>                    | <b>6</b> |

| Requirements                                       | Credits  |
|----------------------------------------------------|----------|
| EMGY 400 - Introduction to Incident Command System | 3        |
| STAT 211 - Statistics with Aviation Applications   | 3        |
| <b>Semester Hours</b>                              | <b>6</b> |

| Requirements                                                                      | Credits  |
|-----------------------------------------------------------------------------------|----------|
| ESVS 480 - Advanced Principles in Fire and Emergency Services Safety and Survival | 3        |
| Specified Elective                                                                | 3        |
| <b>Semester Hours</b>                                                             | <b>6</b> |

| Requirements          | Credits  |
|-----------------------|----------|
| Open Elective         | 3        |
| Specified Elective    | 3        |
| <b>Semester Hours</b> | <b>6</b> |

| Requirements          | Credits  |
|-----------------------|----------|
| Specified Elective    | 3        |
| Specified Elective    | 3        |
| <b>Semester Hours</b> | <b>6</b> |

### Total Credits

Total Hours for All Requirements: 30

## Specialization: Fire & Emergency Services

### Year One

| Requirements                   | Credits  |
|--------------------------------|----------|
| COMM 122 - English Composition | 3        |
| MATH Sequence 1 above MATH 106 | 3        |
| <b>Semester Hours</b>          | <b>6</b> |

| Requirements                   | Credits  |
|--------------------------------|----------|
| English/Communication (COMM)   | 3        |
| MATH Sequence 2 above MATH 106 | 3        |
| <b>Semester Hours</b>          | <b>6</b> |

| Requirements                            | Credits  |
|-----------------------------------------|----------|
| Computer Science/Information Technology | 3        |
| Open Elective                           | 3        |
| <b>Semester Hours</b>                   | <b>6</b> |

| Requirements                                | Credits  |
|---------------------------------------------|----------|
| English/Communication (COMM)                | 3        |
| RSCH 202 - Introduction to Research Methods | 3        |
| <b>Semester Hours</b>                       | <b>6</b> |

| Requirements              | Credits  |
|---------------------------|----------|
| Physical and Life Science | 3        |
| Open Elective             | 3        |
| <b>Semester Hours</b>     | <b>6</b> |

### Total Credits

Total Hours for All Requirements: 30

### Year Two

| Requirements                                                            | Credits  |
|-------------------------------------------------------------------------|----------|
| ESVS 301 - Community Risk Reduction for the Fire and Emergency Services | 3        |
| Humanities - Lower Level                                                | 3        |
| <b>Semester Hours</b>                                                   | <b>6</b> |

| Requirements                           | Credits  |
|----------------------------------------|----------|
| ESVS 201 - Fire-Related Human Behavior | 3        |
| Social Sciences - Lower Level          | 3        |
| <b>Semester Hours</b>                  | <b>6</b> |

| Requirements                                      | Credits  |
|---------------------------------------------------|----------|
| ESVS 303 - Fire Protection Structures and Systems | 3        |
| Physical/Life Sciences                            | 3        |
| <b>Semester Hours</b>                             | <b>6</b> |

| Requirements                                        | Credits  |
|-----------------------------------------------------|----------|
| ESVS 404 - Managerial Issues in Hazardous Materials | 3        |
| Humanities/Social Sciences - Upper Level            | 3        |
| <b>Semester Hours</b>                               | <b>6</b> |

| Requirements                                                    | Credits  |
|-----------------------------------------------------------------|----------|
| ESVS 405 - Personnel Management for Fire and Emergency Services | 3        |
| Humanities/Social Sciences - Lower or Upper Level               | 3        |
| <b>Semester Hours</b>                                           | <b>6</b> |

### Total Credits

Total Hours for All Requirements: 30

### Year Three

| Requirements                                           | Credits  |
|--------------------------------------------------------|----------|
| ESVS 305 - Fire Prevention Organization and Management | 3        |
| Open Elective                                          | 3        |
| <b>Semester Hours</b>                                  | <b>6</b> |

| Requirements                                               | Credits  |
|------------------------------------------------------------|----------|
| ESVS 400 - Analytical Approaches to Public Fire Protection | 3        |
| Open Elective                                              | 3        |
| <b>Semester Hours</b>                                      | <b>6</b> |

| Requirements                               | Credits  |
|--------------------------------------------|----------|
| ESVS 304 - Fire Investigation and Analysis | 3        |
| Open Elective                              | 3        |
| <b>Semester Hours</b>                      | <b>6</b> |

| Requirements                                                  | Credits  |
|---------------------------------------------------------------|----------|
| ESVS 406 - Political and Legal Foundations of Fire Protection | 3        |
| Open Elective                                                 | 3        |
| <b>Semester Hours</b>                                         | <b>6</b> |

| Requirements          | Credits  |
|-----------------------|----------|
| Open Elective         | 3        |
| Open Elective         | 3        |
| <b>Semester Hours</b> | <b>6</b> |

### Total Credits

Total Hours for All Requirements: 30

### Year Four

| Requirements                             | Credits  |
|------------------------------------------|----------|
| ESVS 401 - Applications of Fire Research | 3        |
| Open Elective                            | 3        |
| <b>Semester Hours</b>                    | <b>6</b> |

| Requirements                                                                  | Credits  |
|-------------------------------------------------------------------------------|----------|
| EMGY 400 - Introduction to Incident Command System                            | 3        |
| STAT 211 - Statistics with Aviation Applications or 222 - Business Statistics | 3        |
| <b>Semester Hours</b>                                                         | <b>6</b> |

| Requirements                                          | Credits |
|-------------------------------------------------------|---------|
| ESVS 402 - Fire and Emergency Services Administration | 3       |

|                                                                                   |         |
|-----------------------------------------------------------------------------------|---------|
| ESVS 480 - Advanced Principles in Fire and Emergency Services Safety and Survival | 3       |
| Semester Hours                                                                    | 6       |
| Requirements                                                                      | Credits |
| Specified Elective                                                                | 3       |
| Specified Elective                                                                | 3       |
| Semester Hours                                                                    | 6       |
| Requirements                                                                      | Credits |
| Specified Elective                                                                | 3       |
| Specified Elective                                                                | 3       |
| Semester Hours                                                                    | 6       |

Total Credits

Total Hours for All Requirements: 30

Estimated Cost of Attendance

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