

Embry- Riddle Aeronautical University - Worldwide  
BS in Emergency Services Program Plan File (PPF)  
Category I

<b>Degree Requirements</b>	<b>Required Semester Credits</b>	<b>CCAF Transfer Credits</b>	<b>Course Credits to take at Institution</b>
<b>General Education</b>	<b>36</b>	<b>24</b>	<b>12</b>
<b>Communication Theory and Skills (9)</b>			
ENGL 123 English Composition	3	3	
Speech/English	6	6	
<b>Humanities (6)</b>			
HUMN 330 Values and Ethics	3	3	
Humanities Elective (Lower or Upper Level)	3	3	
<b>Social Sciences (6)</b>			
ECON 210 Microeconomics –or- ECON 211 Macroeconomics	3		3
Social Science Elective (History/Government/Social Science/Psychology/Economics)	3	3	
<b>Physical and Life Science Lower-Level electives (6)</b>			
Physics/Biology/Meteorology/Chemistry	3	3 <sup>3</sup>	
Physics/Biology/Meteorology/Chemistry	3	3 <sup>3</sup>	
<b>Mathematics (6) (Choose one math sequence)</b>	<b>6</b>		<b>6<sup>4</sup></b>
MATH 111 Pre-calculus for Aviation –and- MATH 112 Applied Calculus for Aviation			
<b>-OR-</b>			
MATH 140 College Algebra –and- MATH 142 Trigonometry			
<b>Computer Science (3) Take one of the following courses to satisfy Computer Science requirements. The course used to satisfy the GenEd Computer Science requirement cannot also be used to satisfy a Core/Major or Minor requirement</b>			
CSCI 109 Introduction to Computers and Applications –or- CSCI 123 Introduction to Computing for Data Analysis –or- CYBR 235 Computer and Network Technologies	3		3 <sup>5</sup>
<b>Program Support (9)</b>	<b>9</b>		<b>9</b>
STAT 211 Statistics with Aviation Applications –or- STAT 222 Business Statistics	3 <sup>6</sup>		3 <sup>6</sup>
RSCH 202 Introduction to Research Methods	3		3
WEAX 201 Meteorology I	3		3
<b>Specified Electives (9)</b> <b>Choose 9 credits from ASCI/SFTY/FIRE/ESVS Courses</b>	<b>9</b>		<b>9</b>
Any non-duplicated undergraduate ASCI/SFTY/FIRE/ESVS 200-300-400 level courses	9 <sup>7</sup>	9 <sup>7</sup>	

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<b>Open Electives (upper or lower level)</b>	<b>27</b>	<b>27</b>	<b>0</b>
Any undergraduate non-duplicated courses		27 <sup>8</sup>	
<b>Program Specialization (Choose One Specialization) (39)</b>	<b>39<sup>9</sup></b>		<b>39<sup>9</sup></b>
<b>Aviation Emergency Management Specialization – OR-</b>			
ESVS 301 Community Risk Reduction for the Fire And Emergency Services	3		3
ESVS 302 Fire Dynamics	3		3
ESVS 303 Fire Protection Structures and Systems	3		3
ESVS 305 Fire Prevention Organization and Management	3		3
ESVS 400 Analytical Approaches to Public Fire Protection	3		3
ESVS 401 Applications of Fire Research	3		3
ESVS 403 Disaster Planning and Control	3		3
ESVS 404 Managerial Issues in Hazardous Materials	3		3
ESVS 405 Personnel Management for Fire and Emergency Services	3		3
ESVS 480 Advanced Principles in Fire and Emergency Services Safety and Survival	3		3
SFTY 330 Aircraft Accident Investigation	3		3
SFTY 350 Aircraft Crash and Emergency Management	3		3
SFTY 409 Aviation Safety	3		3
<b>Fire and Emergency Services Specialization</b>			
ESVS 201 Fire-Related Human Behavior	3		3
ESVS 301 Community Risk Reduction for the Fire and Emergency Services	3		3
ESVS 303 Fire Protection Structures and Systems	3		3
ESVS 304 Fire Investigation and Analysis	3		3
ESVS 305 Fire Prevention Organization and Management	3		3
ESVS 400 Analytical Approaches to Public Fire Protection	3		3
ESVS 401 Applications of Fire Research	3		3
ESVS 402 Fire and Emergency Services Administration	3		3
ESVS 403 Disaster Planning and Control	3		3
ESVS 404 Managerial Issues in Hazardous Materials	3		3
ESVS 405 Personnel Management for Fire and Emergency Services	3		3
ESVS 406 Political and Legal Foundations of Fire Protection	3		3
ESVS 480 Advanced Principles in Fire and Emergency Services Safety and Survival	3		3
<b>Total Credits Required: Bachelor of Science Degree</b>	<b>120</b>	<b>60</b>	<b>60</b>

**NOTES:**

1. This degree will require no more than 60 SH to be taken with ERAU-Worldwide toward the declared AU-ABC program for students who have met the CCAF graduation

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requirements. For credit evaluation of courses taken at other academic institutions (not listed above), students should submit official transcripts with their admissions application. All previously earned credit (ERAU and otherwise) will be taken into consideration for course exemption decisions. After initial evaluation, no more than 60 additional ERAU credits will be required for completion of a Category I program.

2. Even though transfer credit is awarded for a specific ERAU course as part of the Agreement, no assumption may be made that credit is awarded for any ERAU prerequisite course(s) unless the prerequisites are specifically part of this Agreement. A grade of “C” or better is required to be accepted as transfer credit.
3. PHYSICAL/LIFE SCIENCE ELECTIVE – may be awarded for any MET 1000-2000 level course or PHY1422 course meeting this requirement. If this transfer credit is not present 3-6 SH of Physics/Biology/Meteorology courses may be required, but no more than 60 SH will be required to complete the degree program.
4. Mathematics – Transfer credit may be awarded, or one of the sequences of courses may be required if no transfer credit is present. MATH 111 & MATH 112 or MATH 140 & MATH 142. If transfer credit is not awarded no more than 60 SH will be required to complete the degree program.
5. Computer Courses – CSCI 109, CSCI 123 & CYBR 235 – Transfer credit may be awarded, or these courses may be required if no transfer credit is present. If transfer credit is not awarded no more than 60 SH will be required to complete the degree program.
6. Math Courses – STAT 211 \* STAT 222 - Transfer credit may be awarded, or these courses may be required if no transfer credit is present. If transfer credit is not awarded no more than 60 SH will be required to complete the degree program.
7. Specified Electives of ASCI/SFTY/FIRE/ESVS – Specified Elective Hours provided may be adjusted depending on the amount of transfer credit awarded for General Education & Core Requirements in addition to previous ERAU credit awarded. If transfer credit is not awarded no more than 60 SH will be required to complete the degree program.
8. Students are permitted to utilize their elective credits to select any [Minor](#) offered in the catalog.
9. Select one (1) Specialization of 39 hours from one of the following: Aviation Emergency Management –or- Fire and Emergency Services.