

B.S. in Aerospace and Occupational Safety

Degree Requirements

The Bachelor of Science degree in Aerospace and Occupational Safety requires successful completion of a minimum of 122 credit hours and is normally completed in eight semesters.

Students are required to complete 37 hours of General Education courses, 15 hours of Safety electives, as well as 12 hours of open electives courses. There are several focus areas that allow a student to concentrate in one or more areas of specialization.

Students enrolled in the Air Force, Army, or Naval ROTC programs may substitute AF, MY, or NSC courses for open elective courses.

General Education	37
Aerospace and Occupational Safety Core	58
Aerospace and Occupational Safety Electives	15
Open Electives	12
Total Credits	122

General Education Requirements

For a full description of Embry-Riddle General Education guidelines, please see the General Education section of this catalog. These minimum requirements are applicable to all degree programs.

Communication Theory and Skills	9
Lower-Level Humanities	3
Lower-Level Social Sciences (EC 200)	3
Lower-Level Humanities or Social Sciences (PSY 101)	3
Upper-Level Humanities or Social Sciences *	3
Computer Science	3
Mathematics (MA 111, MA 112)	6
Physical and Life Sciences PS 113 and (CHM 101, PS 117, BIO 120, BIO 142)	6
Physical and Life Sciences Lab (CHM 101L, BIO 120L or PS 113L or PS 117L)	1
Total Credits	37

Aerospace and Occupational Safety Core

UNIV 101	College Success	1
AS 120	Principles of Aeronautical Science	3
or BA 317	Organizational Behavior	
or BA 324	Aviation Labor Relations	
or HF 325	Human Factors and System Safety	
or HSI 215	Introduction to Industrial Security	
BA 201	Principles of Management	3
MA 222	Business Statistics	3
SF 201	Introduction to Safety and Health	3
SF 205	Principles of Accident Investigation	3
SF 210	Introduction to Aerospace Safety	3
SF 315	Environmental Compliance and Safety	3
SF 316	Loss Control and Risk Management	3
SF 320	Human Factors in Aviation Safety	3
SF 330	Aircraft Accident Investigation	3
SF 345	Safety Program Management	3
SF 355	Industrial Hygiene and Toxicology	3
SF 365	Fire Protection	3
SF 410	Industrial Safety and Health	3

SF 420	Analysis of Observational Data	3
SF 445	System Safety in Aviation	3
SF 455	Aviation Safety Analytics	3
SF 462	Health, Safety, and Aviation Law	3
SF 470	Applications of Safety Management Capstone	3
Total Credits		58

Aerospace and Occupational Safety Electives	15
Open Electives	12
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* The recommended elective is HU 330 Values and Ethics.