

Aerospace Studies

Bachelor of Science

Program Plan of Study and Requirements

A unique interdisciplinary degree program, Aerospace Studies offers students an opportunity to design a program of study that serves their needs and aspirations. This flexible degree, born in response to appeals from corporate leaders, nurtures worldly thinkers who understand the intersections between technologies and humans.

Aerospace Studies requires coursework in general education, a core curriculum, three minors, and open electives. General education provides a broad foundation of study, upon which the ASP core expands. ASP core courses aim to enhance communication and analytical abilities and to help students gain an understanding of history, art, and literature, all of which shape an awareness of what it means to be human. Courses in the core also prepare students to discover meaningful connections among their three minors. The element of choice in Aerospace Studies, primarily lodged in the selection of minor courses of study, obliges them to explore the University's offerings in search of a configuration that will help them attain future goals. In the capstone experience, each ASP student engages in a cooperative internship or writes a senior thesis.

Aerospace Studies students acquire foundational knowledge and skills that cross academic boundaries, enabling them to make creative connections. These abilities, in addition to an entrepreneurial spirit that arises from a self-designed program, position these majors to continue their education or to excel in a wide variety of professions.

Degree Requirements

The Bachelor of Science degree in Aerospace Studies requires successful completion of a minimum of 120 credit hours. Included in the 120 credit hours must be 40 credit hours of upper-division courses (300-400 level)

General Education

Courses	Credits
Communication Theory and Skills*	9
Computer Science	3
Lower-Level Humanities*	3
Mathematics	6
Physical and Life Sciences	6
Lower-Level Social Sciences*	6
HU/SS 300-400 level*	3
Total Credits	36

*Embry-Riddle courses in Communication Theory and Skills, Humanities, and Social Sciences may be chosen from those listed below, assuming prerequisite requirements are met. Courses from other institutions are acceptable if they fall into these broad categories.

Communication Theory and Skills
COM 122, 219, 221, 222

Humanities
LOWER-LEVEL:
HU 140-146
UPPER-LEVEL:
300-400 level

Social Sciences
LOWER-LEVEL:
EC 200, 210, 211 (EC 200 is not acceptable together with EC 210 or EC 211 or their equivalent.)
PSY 101
SS 110, 120, 130
UPPER-LEVEL:
SS 302, 305, 310, 320, 325, 326, 331, 340, 350, 352, 360

Academic Programs at the Daytona Beach Campus

Core Requirements/Categories

Aviation Foundation

Course Title	Credits
AS 120 Introduction to Aeronautical Science -OR-	
SP 110 Introduction to Space Flight -OR-	
SS 130 History of Aviation -OR- Private Pilot Certificate	
Total Credits	3

Humanities Survey

Course Title	Credits
HU 140 Western Humanities -OR-	
HU 141 Western Humanities II (must be taken in addition to HU 140's series course for General Education)	
Total Credits	3

Management Foundation

Course Title	Credits
BA 201 Principles of Management -OR-	
BA 335 International Business	
Total Credits	3

Interdisciplinary Research and Skills

Course Title	Credits
HU 335 Technology and Modern Civilization -OR-	
HU 338 Traversing the Borders	
Total Credits	3

International Perspectives

Course Title	Credits
Two courses selected from the following:	
SS 321 U.S. Military History 1900-Present	
SS 325 International Studies	
SS 326 Russian-U.S. Relations	
SS 331 Current Issues in America	
SS 333 U.S.-Asian Relations	
SS 334 Contemporary Africa and the World	
SS 336 The Modern Middle East in World Affairs	
SS 337 Globalization and World Politics	
SS 340 U.S. Foreign Policy	
SS 363 Inter-American Relations	
Total Credits	6

Philosophical Perspectives

Course Title	Credits
HU 330 Values and Ethics -OR-	
HU 341 World Philosophy -OR-	
HU 345 Comparative Religions	
Total Credits	3

Upper-Level Literature

Course Title	Credits
HU 300 World Literature -OR-	
HU 305 Modern Literature -OR-	
HU 310 American Literature	
Total Credits	3

Upper-Level Communication

Course Title	Credits
COM225 Science and Technology Communication -OR-	
COM322 Aviation and Aerospace Communication -OR-	
COM350 Environmental Communication -OR-	
HU 420 Applied Cross-Cultural Communication	
Total Credits	3

Capstone Experience

Course Title	Credits
CE 396/397 Cooperative Education -OR-	
HU 475 Senior Thesis	
Total Credits	3

Total Credits Required

30

Minors

Students must select three minor fields of study. Required credits in each minor vary, depending on the minors chosen. See Minor Courses of Study in this catalog.

Total Credits	45/54
Open Electives	0-9
TOTAL DEGREE CREDITS	120