

B.S. in Aviation Safety

DEGREE REQUIREMENTS

General Education

General Education

Embry-Riddle courses in the general education categories of Communication Theory and Skills, Humanities, Social Sciences, Physical and Life Science, Mathematics, and Computer Science may be chosen from as listed, assuming prerequisites are met. Courses from other institutions are acceptable if they fall into these broad categories and are at the level specified.

Communication Theory and Skills

Any Communication Theory and Skills above ENGL 106 9

Humanities

Lower-Level Humanities (Any Lower or Upper-Level Humanities) 3

Upper-Level Humanities (Any Upper-Level Humanities) 3

Social Sciences

Any Social Science 6

Physical and Life Science

Any Physical Science/Physics 6

Mathematics

Any College Algebra or Higher Math Series 6

Computer Science

Any Computer Science 3

Total Credits 36

Core/Major

Program Core

AMNT 424 Maintenance Repair and Overhaul in Aviation 3

ASCI 202 Introduction to Aeronautical Science 3

ASCI 254 Aviation Legislation 3

ASCI 301 Introduction to Air Traffic Control 3

ASCI 426 Airport Management in ATM 3

BSAS 210 Introduction to Aerospace Safety 3

HUMN 430 Ethics in Aviation 3

BSAS 320 Human Factors in Aviation Safety 3

BSAS 330 Aircraft Accident Investigation 3

BSAS 335 Mechanical and Structural Factors in Aviation Safety 3

BSAS 345 Aviation Safety Program Management 3

BSAS 350 Aircraft Crash and Emergency Management 3

BSAS 409 Aviation Safety 3

SFTY 311 Fundamentals of Occupational Safety and Health 3

SFTY 321 Ergonomics 3

SFTY 440 System Safety Management 3

UNSY 315 Uncrewed Aircraft Systems and Operations 3

UNSY 431 Uncrewed Systems Human Factors Considerations 3

WEAX 301 Aviation Weather 3

ASCI 491 Operational Applications in Aeronautics 3

Total Credits 60

Program Support

COMD 460 Crisis Communication 3

CSCI 123 Introduction to Computing for Data Analysis 3

CSCI 251 Introduction to Programming for Data Science 3

DSCI 201 Introduction to Data Science Applications 3

DSCI 310	Data Storytelling	3
MMIS 221	Introduction to Management Information Systems	3
STAT 211	Statistics with Aviation Applications	3
MGMT 201	Principles of Management	3
Total Credits		24

Total Degree Requirements 120