

B.S. in Aerospace Engineering (PC) to M.S. in Aerospace Engineering (DB)

Combined Program Requirements

Undergraduate BSAE Courses	123
MSASE Transition Courses	6
Graduate MSASE Courses	24
Total Credits	153

Students must fulfill the required MSASE core classes and any remaining courses from the transitional period that have not been completed.

Exceptional students enrolled in the College of Engineering Bachelor of Science in Aerospace Engineering degree program at the Prescott Campus can pursue a Master of Science in Aerospace Engineering at the Daytona Beach Campus in an accelerated format.

In this option, up to six hours of graduate coursework may be taken to fulfill undergraduate technical elective requirements and specified courses. These hours will count toward both the BS and MS degree requirements, provided that the student is enrolled in the accelerated option and receives a "B" grade or better in the course. These courses must be preapproved by both campuses. Students must complete a minimum of 120 undergraduate course credits for their Bachelor of Science degree.

Undergraduate students may apply to the accelerated MS option by submitting an application to the Daytona Beach Graduate Admissions Office. Students must have completed 88 credit hours toward the BS degree and must have a 3.0 minimum overall GPA and a 3.2 minimum GPA in AE/ES courses to be admitted to the program. The application must include two letters of recommendation from faculty in the undergraduate program to indicate (1) the applicant's potential to successfully complete graduate-level work, and (2) evidence that the applicant has attained the foundational competencies for graduate degree studies. Students will be dropped from the program if their GPA falls below 3.0. The Bachelor of Science degree will be conferred upon completion of all bachelor's degree requirements; the Master of Science degree will be conferred upon completion of all master's degree requirements.

Approved Courses for the Combined Program

As noted above, up to six hours of graduate coursework may be taken to fulfill undergraduate technical elective requirements and specified courses. Listed below are courses relevant to the Prescott Bachelor of Science in Aerospace Engineering to Daytona Beach Master of Science in Aerospace Engineering from which those six credits may be selected:

Core		
AERO 502	Strength and Fatigue of Materials	3
AERO 510	Aircraft Structural Dynamics	3
AERO 522	Analysis of Aircraft Composite Materials	3
MATH 502	Boundary Value Problems	3
Electives		
AWEN 502	Airworthiness Process and Procedures	3
AWEN 510	Aircraft Airworthiness Engineering Principles	3
SYSE 500	Fundamentals of Systems Engineering	3
or SYSE 560	Introduction to Systems Engineering Management	
SYSE 530	System Requirements Analysis and Modeling	3
SYSE 610	System Architecture Design and Modeling	3
SYSE 625	System Quality Assurance	3

View BSAE requirements (<https://catalog.erau.edu/programs/undergraduate/bachelors/aerospace-engineering/>)

View MSASE requirements (<https://catalog.erau.edu/programs/graduate/masters/aerospace-engineering/>)