

M.S. in Engineering and Master of Business Administration

Daytona Beach Program Requirements

Dual Master of Science (MS) in Engineering and Master of Business Administration (MBA) option (this option is available for every Master of Science in Engineering degree program listed in the catalog).

For exceptional students enrolled in an engineering Master of Science degree program, the College of Engineering and the David B. O'Maley College of Business offer the opportunity to simultaneously pursue a Master of Science in Engineering (Aerospace, Civil, Computer Science, Electrical and Computer, Mechanical, Software, Systems, Uncrewed and Autonomous Systems Engineering) and a Master of Business Administration.

With this option, the student will take a total of 30 credits to obtain an MS in Engineering and an additional 21 credits to obtain an MBA. Twelve (12) credits from the MS in Engineering will count towards the MBA's total requirement of 33 credits. One of those courses must be SCLM 511, and the remaining three courses have to be approved by both the MBA program coordinator and the respective MS in Engineering program coordinator. See the specific description below.

Graduate students may apply for the Dual MS in Engineering and MBA option by submitting an application to both the respective engineering and business graduate program coordinators. Students must have completed 12 credit hours toward the respective MS in Engineering degree and must have a 3.0 minimum GPA to be admitted to the dual degree program. Students will be dropped from the program if their GPA falls below 3.0. In addition, students will also have to complete the MBA Prep-Series successfully before being admitted to the MBA program.

Program Description

MS in Engineering Degree Requirements (for each discipline) (30 credits)

These courses include required and elective credits as specified by each graduate engineering program and as per the respective graduate program coordinator's approval.

SCLM 511 - Operations Research (3 credits), which can satisfy one of the electives or a math requirement for MS in engineering students.

MBA Degree Requirements (21 additional credits)

Core Requirements

ACCT 517	Accounting for Decision Making	3
ECON 523	Advanced Aviation Economics	3
FINE 520	Managerial Finance	3
MGMT 520	Organizational Behavior, Theory, and Applications in Aviation	3
MGMT 635	Business Policy and Decision Making	3
MKTG 515	Strategic Marketing Management in Aviation	3
SCLM 511	Operations Research	3

Choose one Business Elective: 3

MGMT 604	International Management and Aviation Policy
AVMG 610	Airline Operations and Management
BUAN 610	Airline Optimization and Simulation Systems
AVMG 630	Aviation/Aerospace Systems Analysis
AVMG 645	Airport Operations and Management
SCLM 646	Air Cargo Logistics Management
AVMG 650	Airline/Airport Relations

SCLM 683	Supply Chain Management
Co-Op/Internship	
FINE 615	Investments
FINE 618	Advanced Corporate Finance

Dual Program Totals

MS in Engineering (including 9 engineering credits and SCLM 511 counting toward both degrees)	30
MBA	21
Total Credits	51