

Program Specific Criteria

Daytona Beach

Graduate Programs

M.S. in Aerospace Business Analytics

Applicants from any major are eligible to apply for the MSAEBUAN degree. While there are multiple criteria to judge the strength of an application, possessing a strong academic record, generally evidenced by a CGPA of 3.00 or higher is given preference in the MSAEBUAN program.

Additional evidence of strength in application can be demonstrated by performance in the Graduate Management Admission Test (GMAT) or Graduate Record Examination (GRE) or other equivalent assessment as deemed appropriate by the program committee prior to matriculation. While there is no minimum acceptable score, applicants who score in the top 50th percentile will be more competitive.

M.S. in Aerospace Engineering

Applicants to the MSAE program should have an undergraduate degree in aeronautical engineering, aerospace engineering, or other engineering related degrees. The bachelor's degree earned must be from an ABET-accredited engineering institution or its international equivalent. Applicants should also possess a strong academic record, generally evidenced by a CGPA of 3.00 or higher. The Graduate Records Examination (GRE) is required for acceptance into this program and applicants are encouraged to score at least 158 in the quantitative area (approximately 70th percentile). The GRE is waived for Embry-Riddle Aeronautical University Bachelor of Science Aerospace Engineering students; however, the GRE is required in order to be considered for financial aid from the AE Department.

Applicants with a bachelor's or equivalent degree in other engineering disciplines, mathematics, or physical science, who otherwise meet the requirements for full admission, may also be admitted into the MSAE program. Within the MSAE program, applicants may opt for the thesis option or the non-thesis option.

Note: Entry into the MSAE program is only available for the fall and spring semester of each academic year. Summer start is not offered.

M.S. in Aviation

Applicants to the MSAV program must have prerequisite knowledge in the areas of:

- Behavioral Science
- Computer Applications
- Mathematics (including Statistics)

Applicants who do not possess such knowledge, may be required to register for prerequisite courses in these areas. Applicants should possess strong academic records as evidenced by a CGPA of 3.00 or higher. The GMAT or GRE are not required for admission into this program.

M.S. in Aviation Finance

Applicants possessing an undergraduate degree in Business, Accounting, Finance, Economics or related transportation fields of study are encouraged to apply for the MSAF program. Applicants from other majors are also accepted into the program, but need to have completed certain undergraduate classes in economics, accounting, finance and statistics as deemed appropriate by the faculty in Master's program committee at the time of application. Applicants lacking this academic preparation will need to take the appropriate ERAU undergraduate courses as a condition for admission. These pre-requisite courses must be completed prior to taking graduate level course work in the subject area.

For applicants whose background is not in Finance, scoring in the top 50th percentile in the Graduate Management Admission Test (GMAT) or Graduate Record Examination (GRE) will make application more competitive. Applicants should possess a strong academic record, generally evidenced by a CGPA of 3.00 or higher.

Master of Business Administration

Applicants from any major are eligible to apply for the MBA degree. While there are multiple criteria to judge the strength of an application, possessing a strong academic record, generally evidenced by a CGPA of 3.00 or higher is given preference in the MBA program.

Once admitted, students may be required to complete an MBA preparatory program of learning units prior to the beginning of classes. This preparatory program does not result in academic credit. It is designed to reinforce existing knowledge and address knowledge deficiencies to ensure students possess the necessary readiness for success in the MBA program.

Additional evidence of strength in application can be demonstrated by performance in the Graduate Management Admission Test (GMAT) or Graduate Record Examination (GRE) or other equivalent assessment as deemed appropriate by the program committee prior to matriculation. While there is no minimum acceptable score, applicants who score in the top 50th percentile will be more competitive.

Master of Business Administration in Aviation Management

Applicants from any major are eligible to apply for the MBAAM degree. While there are multiple criteria to judge the strength of an application, possessing a strong academic record, generally evidenced by a CGPA of 3.00 or higher is given preference in the MBAAM program.

Once admitted, students may be required to complete an MBAAM preparatory program of learning units prior to the beginning of class. This preparatory program does not result in academic credit. It is designed to reinforce existing knowledge and address knowledge deficiencies to ensure students possess the necessary readiness for success in the MBAAM program.

Additional evidence of strength in application can be demonstrated by performance in the Graduate Management Admission Test (GMAT) or Graduate Record Examination (GRE) or other equivalent assessment as deemed appropriate by the program committee prior to matriculation. While there is no minimum acceptable score, applicants who score in the top 50th percentile will be more competitive.

M.S. in Civil Engineering

Applicants to the MSCIV program should have an undergraduate degree in any engineering related field. The bachelor's degree earned must be from an ABET-accredited engineering institution or its international equivalent. Applicants should also possess a strong academic record, generally evidenced by a CGPA of 3.00 or higher. The Graduate Records Examination (GRE) is required for acceptance into this program and applicants are encouraged to score above the 50th percentile in all subject areas.

Note: Entry into the MSCIV program is only available for the fall and spring semester of each academic year. Summer start is not offered.

M.S. in Computer Science

Applicants to the MSCS program should have an undergraduate degree in computer science, engineering, or related discipline. Applicants should also possess strong academic records, generally evidenced by a CGPA of 3.00 or higher. The GMAT or GRE are not required for admission into this program.

Note: Entry into the MSCS program is only available for the fall and spring semester of each academic year. Summer start is not offered.

M.S. in Data Science

Applicants to the MSDS program should have an undergraduate degree in any technical related field (a degree with at least 4 semesters of college-level Math). Applicants with a non-technical undergraduate degree will be required to complete additional modules. Applicants should also possess a strong academic record, generally evidenced by a CGPA of 3.00 or higher. The Graduate Records Examination (GRE) is required for acceptance into this program and applicants are encouraged to score above the 50th percentile in all subject areas.

M.S. in Electrical and Computer Engineering

Applicants to the MSECE program should have an undergraduate degree in electrical engineering, computer engineering, computer science, physical sciences, or any another engineering related discipline. The bachelor's degree earned must be from an ABET-accredited engineering institution or its international equivalent. Applicants should also possess a strong academic record, generally evidenced by a CGPA of 3.00 or higher. The GMAT or GRE are not required for admission into this program.

Note: Entry into the MSECE program is only available for the fall and spring semester of each academic year. Summer start is not offered.

M.S. in Engineering Physics

Applicants to the MSEP program should have an undergraduate degree in engineering, physics, or a related field. Applicants should also possess a strong academic record, generally evidenced by a CGPA of 3.00 or higher. The Graduate Records Examination (GRE) is required for acceptance into this program and applicants are encouraged to score above the 50th percentile in all subject areas.

Note: Entry into the MSEP program is only available for the fall and spring semester of each academic year. Summer start is not offered.

M.S. in Human Factors

Applicants to the MSHF program must have prerequisite knowledge in the areas of psychology and statistics. If applicants do not possess such knowledge, they may be required to register for undergraduate prerequisite courses in these areas. Applicants should also possess strong academic records, generally evidenced by a CGPA of 3.00 or higher. The GMAT or GRE are not required for admission into this program.

Note: Entry into the MSHF program is recommended for the Fall semester of each academic year.

M.S. in Mechanical Engineering

Applicants to the MSME program should have an undergraduate degree in any engineering related field. The bachelor's degree earned must be from an ABET-accredited engineering institution or its international equivalent. Applicants should also possess strong academic records, generally evidenced by a CGPA of 3.00 or higher. The Graduate Records Examination (GRE) is required for acceptance into this program and applicants are encouraged to score above the 50th percentile in all subject areas.

M.S. in Occupational Safety Management

The MSOSM program welcomes graduates with an undergraduate degree as well as working professionals with experience. Applicants should also possess strong academic records, generally evidenced by a CGPA of 3.00 or higher. The GMAT or GRE are not required for admission into this program.

M.S. in Software Engineering

Applicants to the MSSE program must have prerequisite knowledge in the areas of:

- Discrete Mathematics
- Data Structures and Algorithms
- Computing Systems (operating systems, computer architecture)

- Programming involving high-level language (for example, C/C++, JAVA, Ada, Visual Basic)

Applicants who do not possess such knowledge may be required to register for undergraduate prerequisite courses in these areas. Applicants should also possess strong academic records, generally evidenced by a CGPA of 3.00 or higher, along with a creditable background in computing.

The GRE exam, although not mandatory, is strongly encouraged for this degree program and for consideration of fellowship and assistantship award programs offered by the Department of Computing.

Note: Entry into the MSSE program is only available for the fall and spring semester of each academic year. Summer start is not offered.

M.S. in Space Operations

The MSSO program welcomes graduates with an undergraduate degree as well as working professionals with experience. Applicants should also possess strong academic records, generally evidenced by a CGPA of 3.00 or higher. The GMAT or GRE are not required for admission into this program.

M.S. in Systems Engineering

Applicants to the MSSYSE program should have an undergraduate degree in computer engineering, physical sciences, or any engineering discipline. The bachelor's degree earned must be from an ABET-accredited engineering institution or its international equivalent. Applicants should also possess a strong academic record, generally evidenced by a CGPA of 3.00 or higher. The GMAT or GRE are not required for admission into this program.

Applicants who do not possess the required background maybe admitted conditionally with the provision that they complete specific undergraduate courses prior to enrolling in graduate courses.

M.S. in Uncrewed and Autonomous Systems Engineering

Applicants to the MSUNSE program should have an undergraduate degree in computer engineering, physical sciences, or any engineering discipline. The bachelor's degree earned must be from an ABET-accredited engineering institution or its international equivalent. Applicants should also possess a strong academic record, generally evidenced by a CGPA of 3.00 or higher. The Graduate Records Examination (GRE) is required for acceptance into this program and applicants are encouraged to score above the 50th percentile in all subject areas. These scores inform admissions decisions and help to determine the level of support for graduate assistantships or scholarships.

Note: Entry into the MSUNSE program is only available for the fall and spring semester of each academic year. Summer start is not offered.

M.S. in Uncrewed Systems

The MSUNC program welcomes graduates with an undergraduate degree as well as working professionals with experience. Applicants should also possess strong academic records, generally evidenced by a CGPA of 3.00 or higher. The GMAT or GRE are not required for admission into this program.

Prerequisite knowledge in following areas:

- Behavioral science
- Computer applications
- Mathematics (including statistics)