

# Master of Science in Aeronautics

Jointly organised with Embry-Riddle Aeronautical University, US

3 intakes a year – Jan, Jun & Aug

## PROGRAMME OVERVIEW

The Master of Science in Aeronautics (MSA) combines a core of classes with 6 unique specialisation options to choose from. This flexibility to customise the degree enables you to meet your particular goals and addresses the needs of all sectors of the aviation and aerospace industry. The curriculum will help you master the tools needed in the development, manufacture, and operation of aircraft and spacecraft, as well as gain an understanding of the infrastructure that supports the industry.

## ADMISSION REQUIREMENTS

- You must have earned a baccalaureate degree from an accredited degree-granting institution with a cumulative grade point average (CGPA) of 2.5 or higher on a 4.0 scale. If you already possess a master's degree or have completed graduate coursework from an accredited degree-granting institution, you must have attained a 3.0 CGPA or higher at the graduate level.
- You must submit official transcripts from all accredited institutions showing degree completion or courses attempted. Official or unofficial transcripts may be required to verify prerequisite knowledge.
- If English is not your primary language, you must either:
  - Attain a minimum score on the Test of English as a Foreign Language (TOEFL) of 550 (paper-based) or 79 (Internet-based);
  - Attain a minimum score on the International English Language Testing System (IELTS) of 6.0;
  - Earn transferable credit for a course that is the equivalent of ENGL 123 (English Composition) at an accredited post-secondary institution; or
  - Show evidence of attendance and graduation from a secondary school in which the language of instruction was English.
- You must submit a statement of purpose and successfully complete an admission interview with the College of Aeronautics chair and admissions committee.

## DEGREE REQUIREMENTS

### Aeronautics Core (5 Courses, 15 Credit Hours)

Course	Title	Credits
ASCI 602	The Air Transportation System	3
ASCI 604	Human Factors in the Aviation/Aerospace System	3
ASCI 609	Aircraft Maintenance Management	3

ASCI 612	Aviation/Aerospace Industrial Safety Management	3
ASCI 623	Aircraft Design and Development	3

### Research Core (3 Courses, 9 Credit Hours)

Course	Title	Credits
RSCH 665	Statistical Analysis for Aviation/Aerospace	3
RSCH 670	Research Methods for Aviation/Aerospace	3
ASCI 691	Graduate Capstone Course	3

### Specialisation (Choose One, 12 Credit Hours)

Aeronautics
Aviation/Aerospace Operations
Aviation/Aerospace Safety Systems
Aviation/Aerospace Education Technology
Human Factors in Aviation Systems
Unmanned Aircraft Systems

Total Degree Requirements	36
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Each specialisation comprises 4 courses totaling 12 credit hours. For a complete list of specialisation courses, please visit [www.asia.erau.edu](http://www.asia.erau.edu)

*Note: Embry-Riddle reserves the right to make changes to the course offerings and the content within the courses at any time, in accordance with their academic processes.*

## PROGRAMME INTAKE

There are 3 intakes per year – January, June and August.

## ADMISSION PROCEDURE

**Step 1:** To be considered for admission, you must apply online at [www.asia.erau.edu](http://www.asia.erau.edu), pay the \$50 application fee, and submit all required documentation.

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**Step 2:** The University will process your application and supporting documentation and inform you if the basic requirements have been met in order to proceed to the admissions interview stage.

**Step 3:** Upon admission, the University will issue the acceptance letter and further enrolment instructions.

## PROGRAMME DELIVERY

You can start the MSA degree programme in January, June or August. The 1<sup>st</sup> 3 terms are delivered in a blended delivery format combining classroom instruction during the 1<sup>st</sup> 2 weeks of the term with the convenience of online instruction during the remaining 7 weeks. The 4<sup>th</sup> through 6<sup>th</sup> terms allow you to begin work on your capstone project while also pursuing your MSA specialisation courses to be taken online. You can expect to graduate 24 months after you start the MSA degree programme.

The duration of each term is as follows:

Term	Duration
January	Jan – Mar
June	May – Jul
August	Aug – Oct

## COURSE FEES

S\$35,280 (full course; students from Singapore are to add 7% GST).

You are not required to make full up-front payment. Course fees are due upon first time enrolment and before the start of each term. Course fees do not include textbooks and course materials which vary from term to term but can be estimated at S\$200 per course. For the most current tuition and fee information please visit **[www.asia.erau.edu](http://www.asia.erau.edu)**

*This graduate programme is eligible for SkillsFuture Study Award. To find out more information and/or apply for the programme, please visit [www.skillsfuture.sg/studyawards/air-transport](http://www.skillsfuture.sg/studyawards/air-transport)*

## CONTACT

**For enquiries and application, please contact:**

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