

### Online Education

In 1971, Embry-Riddle Aeronautical University became one of the first 20 universities in the world to offer distance learning. The university has come a long way since 1971 and today offers online education opportunities that are consistently ranked among the top in the United States.

### Flexible Schedule

Online programs feature multiple start times throughout the year with a new term each month.

### Experience

We have decades of experience with secondary school graduates, college transfers and those that have already entered the workforce and need the flexibility that an online degree provides.

### Your Own Plan

Personalized degree maps show how you can graduate on time, regardless of your other obligations or location.

Choose from one of the following online undergraduate degree programs:

- ▲ Aeronautics
- ▲ Aviation Business Administration
- ▲ Aviation Maintenance
- ▲ Business Analytics
- ▲ Logistics and Supply Chain Management
- ▲ Technical Management
- ▲ Leadership
- ▲ Communication
- ▲ Emergency Services
- ▲ Engineering
- ▲ Engineering Technology
- ▲ Homeland Security
- ▲ Interdisciplinary Studies
- ▲ Project Management
- ▲ Safety Management
- ▲ Unmanned Systems Applications

More information and courses can be found at [asia.erau.edu](http://asia.erau.edu)

### Flight Specialization (Minor)

The flight minor enables students in Singapore to graduate with both a bachelor's degree and commercial pilots license, positioning them for full-time employment with an airline. Students choosing the flight minor will complete 105 credits in Singapore and the remaining 15 credits in the BSA degree in Daytona Beach, Florida. The flight portion of the degree is designed to be completed in 13 months, and upon returning to Singapore, students would be able to convert their FAA license to the local regulator or pursue employment with international carriers without license conversion.

Entry to the flight minor is extremely competitive and due to a limited number of spaces not all candidates will be selected. Students not selected for the flight minor will have the option to choose from one of the other eight specializations offered in the BSA degree.

Additional information on the flight minor is available at [asia.erau.edu](http://asia.erau.edu)



### Admission Requirements

Entry requirements vary from country to country and each application to Embry-Riddle Aeronautical University is reviewed on a case-by-case basis. In most cases the following are required:

- ▲ Official copy of your secondary school transcripts/exam results Grade 10 or Grade 12
- ▲ Official copy of your secondary school leaving certificate/diploma
- ▲ Two letters of recommendation from your teachers/counselor

### English Language Proficiency

Applicants for whom English is not the primary language must either:

- ▲ Attain a minimum score on the Test of English as a Foreign Language (TOEFL) of 550 (paper-based) or 79-80 (Internet-based), or 213 (computer-based)
- ▲ Attain a minimum score on the International English Language Testing System (IELTS) of 6.0.

### Steps to Apply

- ▲ Submit online application at [asia.erau.edu](http://asia.erau.edu)
- ▲ Pay application fee of SGD 75
- ▲ Submit documents listed above

### Intake & Application Deadlines

Embry-Riddle makes admission decisions on a rolling basis and students can apply up to one year in advance of when they plan to begin their studies. Students have the option to start in March or October. The following are suggested application deadlines for the most popular terms:

- ▲ July intake → apply by 1 April
- ▲ January intake → apply by 1 September

### Program Delivery

Most of the BSABA and BSA classes are delivered in a traditional classroom setting with classes taking place during weekdays. Students are expected to take 3-4 courses during each of the four annual terms, which begin in January, March, July and October. Each term is nine weeks.

### Program Length

Bachelor's degree programs are designed to be completed in 3.5 years. Students may complete the program in less time by taking online courses during summer breaks.

### Exemptions

"A" Level holders can expect to receive up to 15 credit exemptions based on the subjects studied and the grades received. Students who have completed the IB Diploma Program are awarded up to 15 credits. Advanced Placement courses are also eligible for credit transfers based on the grades received.

### Tuition, Scholarships & Grants

Embry-Riddle offers several options to help you fund your education. Embry-Riddle scholarships ranging from 3,500 to 10,500 are awarded based on academic merit and demonstrated financial need.

Visit [asia.erau.edu](http://asia.erau.edu) for the latest information on program tuition, scholarships & grants.

### Course Fees

Course fees are reviewed annually and are subject to change. For the latest fees, please visit [asia.erau.edu](http://asia.erau.edu).

### Accommodations

Students are advised to make their arrangements prior to arriving in Singapore but temporary accommodations can be arranged while you find something more suitable for the remainder of your stay in Singapore. Lodging is relatively easy to find in Singapore and we can provide recommendations to ensure you are settled in.

Hostel accommodations specially cater to the needs of International students for them to live in a comfortable environment conducive to their learning needs. These hostels are located near the campus and are equipped with facilities consisting of cafes, recreational corners, sports facilities and Internet access.

Embry-Riddle Aeronautical University is regionally accredited in the United States by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, GA 30033-4097; 404.679.4501) to award degrees at the associate, bachelor, master and doctoral levels.

ERC Institute is a Private Education Institution (PEI) registered with the Singapore Council for Private Education (CPE), CPE/ UEN: 200311146N, 4-year registration expires 19 May 2022.

The Singapore Aviation Academy (SAA), established in 1958, is the internationally-recognised training arm of the Civil Aviation Authority of Singapore.



# UNDERGRADUATE DEGREE PROGRAMS

FOR INTERNATIONAL APPLICANTS



### Dalton Lim Guo Hui

*Pricing Executive, DHL eCommerce (Singapore) Pte Ltd*

#### Bachelor of Science in Aviation Business Administration

If you have a passion for aviation, then there are no other universities that can remotely match the quality and heritage of an Embry-Riddle education. Like many others, my initial dream was to be a pilot. However, after joining Embry-Riddle, I realized that the passion for aviation isn't just about being a pilot, it is about what we can offer to the industry and make it a better place.



### Nur Athira Binte

*Asst. Aircraft Management System & Planning Executive, Airbus Helicopters Southeast Asia*

#### Bachelor of Science in Aeronautics

One of the fondest memories I have at Embry-Riddle's Asia campus, is the time I spent working with my batch mates and faculty mentor, Matthew Flaherty, to organize a joint-community project with Temasek Polytechnic in collaboration with young students from Cerebral Palsy Alliance Singapore (CPAS). Not only did the initiative foster a bond between the schools, but it also provided us with an experience that cannot be taught in classrooms.

**EMBRY-RIDDLE**  
Aeronautical University  
UNITED STATES | SINGAPORE | ONLINE

### For more information:

+65 6933 9580 | [asia@erau.edu](mailto:asia@erau.edu) | [asia.erau.edu](http://asia.erau.edu)

EXPANDING A TRADITION OF EXCELLENCE

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## BACHELOR OF SCIENCE IN

# AVIATION BUSINESS ADMINISTRATION

### About the Degree

The Asia Pacific region is expected to achieve unprecedented long-term growth in aviation. By 2030 it is estimated that air travel in Asia will be greater than the markets of North America and Europe combined. In a study commissioned by IATA in 2015, it was found that by 2035, air transport is expected to support over 70 million jobs and nearly \$1.3 trillion in GDP. Embry-Riddle Aeronautical University's Bachelor of Science in Aviation Business Administration (BSABA) is designed for students to excel in this high-powered, fast-paced industry.

With accreditation from the Association of Collegiate Business Schools and Programs (ACBSP), Embry-Riddle's BSABA program is designed to meet industry demands.

### Career Opportunities

Graduates of the BSABA program go on to work in the following areas:

- ▲ Airport Management
- ▲ Strategic Marketing of Airlines
- ▲ Aircraft Financing and Leasing
- ▲ Aviation Insurance
- ▲ Aircraft Sales
- ▲ Logistics and Supply Chain Management
- ▲ Airline Commercial Management
- ▲ Airline Pricing
- ▲ Procurement
- ▲ Airport Operations

## BACHELOR OF SCIENCE IN

# AERONAUTICS

### About the Degree

The Bachelor of Science in Aeronautics (BSA) degree is designed specifically for students who work, have worked, or desire to work in aviation-related careers. With accreditation from the Aviation Accreditation Board International (ABBI), Embry-Riddle's Aeronautics program is designed to meet industry demands. For students with existing aviation-related knowledge and skills, this degree acknowledges a student's valuable acquired experience through the award of advanced standing prior-learning credit. The curriculum then builds on those skills and knowledge. The program also provides an opportunity for those students new to aviation to acquire aviation-specific knowledge through aviation-related coursework.

This combination of a student's aviation learning, aviation courses, business, computer science,

economics, humanities, communications, social sciences, mathematics, and physical sciences, along with professional development elective courses and a minor course of study, will prepare graduates for a career in an aviation-related field.

### Career Opportunities

Graduates of the BSA program go on to work in:

- ▲ Flight Operations
- ▲ Air Traffic Management
- ▲ Aviation Safety
- ▲ Aviation Maintenance
- ▲ Meteorology
- ▲ Unmanned Aerial Systems
- ▲ Security and Intelligence

## BACHELOR OF SCIENCE IN

# ENGINEERING

### About the Degree

The Bachelor of Science in Engineering (BSE) degree is designed from a multidisciplinary perspective with subject matter from mechanical engineering, electrical engineering, aeronautical, and systems engineering. The educational focus is anticipated to support the growth and innovative development of aerospace technologies and systems and address current industry challenges. The program educational objective is to graduate engineers that can enter into research, development, and design positions, function effectively on multidisciplinary teams, and contribute to the advancement in engineering-related projects upon graduation.

### Career Opportunities

The increase in air traffic and technological advancements calls for more support for the development function of the aviation industry, which is what we prepare our BSE graduates for. Here are some career paths that our graduates can explore:

- ▲ Aircraft Designer
- ▲ Celestial Mechanic
- ▲ Propulsion System Designer/Analyst
- ▲ Spacecraft Designer
- ▲ Aerospace Research
- ▲ Astronauts
- ▲ Aerospace Scientists

### Degree Requirements:\*

#### 1 General Education Core 36 Credits

- ▲ English Composition & Speech
- ▲ Values & Ethics
- ▲ Micro & Macro Economics
- ▲ Explorations in Physics
- ▲ Computers & Applications
- ▲ Meteorology
- ▲ Pre-calculus & Applied Calculus

#### 2 Common Business Core 30 Credits

- ▲ Business Law
- ▲ Business Statistics
- ▲ Human Resource Management
- ▲ Introduction to Management Information Systems
- ▲ Intro to Research Methods
- ▲ Business Analytics & Data Intelligence
- ▲ Managerial Accounting
- ▲ Marketing
- ▲ Principles of Management
- ▲ Strategic Management

#### 3 Aviation Management Core 18 Credits

- ▲ Aviation/Airport Marketing
- ▲ Airline Management
- ▲ Airport Management
- ▲ Financial Accounting
- ▲ Logistics Management for Aviation/Aerospace
- ▲ Management of Air Cargo

Choose two of the specializations listed below or one specialization and 18 elective credits as listed in the Embry-Riddle Asia Catalog or website. (36 credits)

- ▲ Airport Management
- ▲ Cybersecurity Application and Management
- ▲ Aviation Safety
- ▲ Air Traffic Management
- ▲ Economics
- ▲ Human Resources
- ▲ Management Information Systems
- ▲ Technical Management

### Degree Requirements:\*

#### 1 General Education Core 36 Credits

- ▲ English Composition & Speech
- ▲ Values & Ethics
- ▲ Micro & Macro Economics
- ▲ Explorations in Physics
- ▲ Computers & Applications
- ▲ Meteorology
- ▲ Pre-calculus and Applied Calculus

#### 2 Program Support Core 24 Credits

- ▲ Aviation Legislation
- ▲ Applications in Aviation/Aerospace Law
- ▲ Business Statistics
- ▲ Intro to Aeronautical Science
- ▲ Intro to Management Information Systems
- ▲ Intro to Research Methods
- ▲ Mechanical and Structural Factors in Aviation Safety
- ▲ Principles of Management

#### 3 Professional Development Core 12 Credits

- ▲ Aerodynamics
- ▲ Aeronautical Science Capstone Course
- ▲ Aviation Safety
- ▲ Management of Production and Operations

#### 4 Aviation Area of Concentration 12 Credits

- ▲ Aircraft Crash Survival Analysis and Design
- ▲ Airport Development and Operations
- ▲ Human Factors in Aviation Safety
- ▲ Management of Air Cargo

Choose two of the specializations listed below or one specialization and 18 elective credits as listed in the Embry-Riddle Asia Catalog or website. (36 credits)

- ▲ Cybersecurity Application and Management
- ▲ Aviation Maintenance Operations
- ▲ Aviation Safety
- ▲ Flight
- ▲ Helicopter Operations & Safety
- ▲ Air Traffic Management
- ▲ Occupational Safety and Health
- ▲ Security and Intelligence
- ▲ Transportation
- ▲ Unmanned Aerial Systems

### Degree Requirements:\*

#### 1 General Education Core 44 Credits

- ▲ English
- ▲ Economics
- ▲ Physics
- ▲ Calculus & Analytical Geometry
- ▲ Meteorology
- ▲ Computing for Engineers

#### 2 Engineering Core

##### Engineering & Engineering Science Program Support 34 Credits

- ▲ Statics
- ▲ Solid & Fluid Mechanics
- ▲ Dynamics & Thermodynamics
- ▲ Engineering Materials & Structures
- ▲ Graphical Communications
- ▲ Signals & Systems
- ▲ Fundamentals of Energy Systems
- ▲ Systems & Controls

##### Aeronautical Engineering 6 Credits

- ▲ Aerodynamic Performance of Flight Vehicles
- ▲ Project Management for Engineered Systems

##### Computer Engineering 4 Credits

- ▲ Digital Circuit Design

##### Electrical Engineering 8 Credits

- ▲ Circuits
- ▲ Electronics

##### Mechanical Engineering 11 Credits

- ▲ Robotics
- ▲ Mechatronics
- ▲ Instrumentation & Data Acquisition

#### 3 Mathematics & Physical Science Program Support 15 Credits

- ▲ Calculus & Analytical Geometry
- ▲ Differential Equations & Matrix Methods
- ▲ Probability & Statistics
- ▲ Physics for Engineers

#### 4 Capstone Design Project 6 Credits

\*Note: Embry-Riddle Aeronautical University reserves the right to make changes to the course offerings and course content at any time, in accordance with Embry-Riddle academic processes and CPE notification requirements.

The full list of courses for each program can be found on the Embry-Riddle Asia catalog or [asia.erau.edu](http://asia.erau.edu).

