

# Education: Embry-Riddle University

## **Introduction**

Embry-Riddle Aeronautical University, located in Daytona Beach, Fla., is the largest and oldest aviation school in the world. Students can choose from more than 40 degree programs, including Aerospace Engineering and Aeronautical Science, which are both the largest of those programs in the nation. Given Embry-Riddle's unique, specialized studies, it's no surprise that student life is a little different as well. About 80 percent of students are male, and it may be the only school with a fleet of more than 90 instructional aircraft on hand and a student organization specifically for future air traffic controllers. Students can also join any of the other 150 student organizations, write for *The Avion* student newspaper, or pledge with any of the nearly 15 Greek-letter organizations.



Embry-Riddle also offers club and recreational sports opportunities, as well as around 15 varsity teams. Appropriately named the Eagles, Embry-Riddle athletic teams compete in the NAIA (National Association of Intercollegiate Athletics) Division I Sun Conference. Graduate students can choose from around 20 programs, and notable alumni include Patrice Clarke Washington, the first African-American female pilot with a commercial airline.

School mission (as provided by the school):

The Best Aviation and Aerospace University in the World. At Embry-Riddle Aeronautical University, what we do -- and do best -- is teach the science, practice, and business of the world of aviation and aerospace. Since it was founded just 22 years after the Wright brothers' first flight, the University and its graduates have built an enviable record of achievement in every aspect of aviation and aerospace. The curriculum at Embry-Riddle covers the operation, engineering, research, manufacturing, marketing, and management of modern aircraft and the systems that support them. The University engages in extensive research, consulting, and related activities that address the unique needs of aviation, aerospace, and related industries. Residential campuses in Daytona Beach, Florida, and Prescott, Arizona, provide education in a traditional setting, while an extensive network of more than 130 centers throughout the United States, Canada, Europe, and the Middle East and a web-based distance learning program serve civilian and military working adults.

## **Majors and special training include the following areas of study:**

### **Accelerated Program Aerospace Engineering**

The Aerospace Engineering program at Embry-Riddle is the largest in the United States and is recognized as the nation's premier program by U.S. News and World Report. Now we have added a five-year program in which students earn both Bachelor of Science (BS) and Master of Aerospace Engineering (MAE) degrees. The graduate curriculum offers these areas of concentration: structures; aerodynamics and propulsion; and astronautics and control.



### **Aeronautical Science:**

**At Civil Air Patrol, the volunteer auxiliary of the U.S. Air Force, we're helping develop tomorrow's aerospace workforce.**

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### **Aeronautical Systems Maintenance:**

Every commercial, private, or military flight depends on the work of professional aviation maintenance specialists. Without their commitment to quality, the air traffic system would cease to function. If you choose to earn Embry-Riddle's degree in Aeronautical Systems Maintenance, your expertise will be sought by the aviation and aerospace industry. Included in the program is credit for the airframe and powerplant license. Students also choose one of four areas of concentration in the 120 credit hour course: Maintenance Management, Avionics, Flight or Information Technology.



### **Aeronautics:**

The Aeronautics degree is designed specifically for students who work, have worked, or desire to work in aviation-related careers. 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.

### **Aerospace Engineering:**

The Bachelor of Science in Aerospace Engineering at Embry-Riddle Aeronautical University is the premier undergraduate aerospace program in the nation. The graduates of this selective program are sought after by the aerospace and aviation industry-an industry that contributes \$1.5 trillion annually to the US economy. During their freshman year, students must demonstrate exceptional performance by achieving a high GPA in certain foundational course to remain in the discipline. The department offers a wide array of courses in aeronautics, airplane and space vehicle design, structures, and propulsion. Students can select an option to focus in aeronautics, astronautics, or aerospace propulsion.

### **Aerospace Studies:**

The Bachelor of Science in Aerospace Engineering at Embry-Riddle Aeronautical University is the premier undergraduate aerospace program in the nation. The graduates of this selective program are sought after by the aerospace and aviation industry-an industry that contributes \$1.5 trillion annually to the US economy. During their freshman year, students must demonstrate exceptional performance by achieving a high GPA in certain foundational course to remain in the discipline. The department offers a wide array of courses in aeronautics, airplane and space vehicle design, structures, and propulsion. Students can select an option to focus in aeronautics, astronautics, or aerospace propulsion.

### **Air Traffic Management:**

System changes that will introduce new methods for managing the world's aviation arteries are in  
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the research phase. As a student in this program you will find yourself on the cutting edge of these new developments while being trained in state-of-the-art facilities. You will study with faculty members who have actual ATM experience. As a graduate, you will enjoy an advantage, having emerged from one of only a handful of training schools under the FAA Collegiate Training Initiative. And, you'll be surprised by the earning potential in this field.

**Applied Meteorology:**

Working toward a degree in this area, you will study and simulate atmospheric and climatological conditions for the purpose of predicting and interpreting weather. Graduates will be qualified for jobs in aviation and aerospace, radio and television, and business and government operations.

**Links to more Information click below:**

[Embry Riddle catalog-Prescott AZ -2011-12](#)



Courtesy: [Embry-Riddle]

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