Embry-Riddle Aeronautical University offers a comprehensive collection of academic programs focused on aerospace, aviation, business, engineering, security and intelligence.
Embry-Riddle Aeronautical University graduate programs are offered at residential campuses in Prescott, Arizona and Daytona Beach, Florida; and through our Worldwide/Online options.

Daytona Beach, Florida

16 MASTER'S PROGRAMS

7 DOCTORAL PROGRAMS

629 GRADUATE STUDENTS

DELIVERY OPTIONS
› TRADITIONAL CLASSES
Campus-based programs allow students to interact with faculty in traditional classroom/lab settings.

› HYBRID COURSES
Similar to traditional classes, hybrid courses have a face-to-face component as well as an online component.

ADDITIONAL FACTS
› Eagle Flight Research Center is our Aerospace R & D facility, and is distinguished by its 10,000-square-foot hangar, convenient runway access, and a variety of high-tech labs.

› Less than an hour’s drive from campus, students can explore the Space Coast, home to the Kennedy Space Center, Cape Canaveral, and important industry partners.

Prescott, Arizona

3 MASTER'S PROGRAMS

50 GRADUATE STUDENTS

DELIVERY OPTIONS
› TRADITIONAL CLASSES
Campus-based programs allow students to interact with faculty in traditional classroom/lab settings.

ADDITIONAL FACTS
› 539-acre campus sits more than a mile high in the Bradshaw Mountains.

› Our Robertson Aircraft Accident Investigation Laboratory is the largest scenario-based accident investigation facility for use by students at any university.

Housing
On-campus housing is available on a first-come, first-served basis. Learn more about housing options:

› Arizona: prescott.cra.edu/campus-life/housing

› Florida: daytonabeach.cra.edu/campus-life/housing

Embry-Riddle Aeronautical University
Worldwide/Online

Worldwide/Online has continued to lead the way for distance and online learning platforms through award-winning advancements in technology and education methods. Embry-Riddle Worldwide’s three academic colleges – Aeronautics, Arts & Sciences and Business – offer a variety of online graduate degrees.

DELIVERY OPTIONS

► ONLINE CLASSES
Complete assignments, join discussions, study, and ask questions at a time most convenient for you. Discussions are asynchronous so you do not have to participate at a predetermined time.

► Career: Schedule classes around your current job and continue to earn while you learn from wherever you are.

► Family: Online education allows you to take classes when you’re able so they don’t interfere with family time.

► Budget: Completing your degree online can help you save money on tuition, fees and transportation.

► ASIA CAMPUS
Based in Singapore, Embry-Riddle Asia offers full-time programs for bachelor’s and master’s degrees in a traditional classroom environment. Programs are also offered online for those interested in studying close to home.

19
MASTER’S PROGRAMS

1
DOCTORAL PROGRAM

6,240
GRADUATE STUDENTS

ACCOLADES


► Ranked #2 of the Best Online Colleges & Universities by College Choice (2018)

► Top 5 Online Colleges & Universities by College Choice (2014-2018)
Graduate Student Research

State-of-the-art research facilities and world-renowned faculty attract funding from private and public entities, allowing students extensive opportunities to participate in applied research projects.

RESEARCH FUNDING
The Internal Research Awards, granted annually to graduate students, provide the means for student-driven research and allow awardees to pursue and develop their own research ideas and projects. With student principal investigators and engaged faculty advising, these grants showcase Embry-Riddle's commitment to research not only at the faculty level, but also at the graduate student level. The Internal Research Awards are managed through the Daytona Beach Campus. Students who successfully complete their research often submit and are accepted to national conferences to present and discuss their results.

A SAMPLING OF CURRENT RESEARCH PROJECTS
- Investigation of jet impingement cooling on Ceramic Matrix Composite on rough surface
- Runway to space: An analysis of key economic factors driving airport and spaceport integration
- Human behavior during spaceflight: Evidence from an analogue environment
- The extent of distraction of passenger cell phone conversations in simulated flight
- Vision-based mapping and localization for optimized autonomous UAV landing
- Airport funding strategies for publicly owned and operated airports in Georgia

A FEW FACTS
$22.4 MILLION DOLLARS IN RESEARCH FUNDING
262 SPONSORED RESEARCH PROJECTS
200+ FACULTY MEMBERS IN ACTIVE RESEARCH WITH STUDENTS

ADDITIONAL DISTINCTIONS
1 AND ONLY FULLY ACCREDITED AEROSPACE-ORIENTED UNIVERSITY IN THE NATION
1ST PH.D. IN AVIATION IN THE UNITED STATES

Embry-Riddle Aeronautical University
World-Class Research Facilities

Embry-Riddle boasts a wide range of R&D facilities — many of which are one-of-a-kind and built to support real-world research conducted by students, faculty, industry, and government entities.

“With guidance from faculty and staff, I was able to intern in Europe and spend a semester in New Zealand. After graduation, I wanted to continue traveling while using my engineering degree, so I joined the prestigious U.S. Navy’s Nuclear Power Program. Studying at Riddle is an unforgettable experience that will undeniably propel you to where you want to go.”

LAUREN GUDDAHL
- AEROSPACE ENGINEERING, B.S. AND M.S.
- EMPLOYMENT: COMMUNICATIONS OFFICER, U.S. NAVY

“If you’re willing to take initiative and work hard, there are no limits as to what research opportunities you can pursue, and no shortage of amazing professors to help you accomplish your research goals. Professors are truly focused on guiding their students and the students are incredibly driven; that creates a wonderful sense of comradery that I have not seen at other universities.”

CHELSEA IWIG
- AEROSPACE STUDIES, B.S.; HUMAN FACTORS, M.S.
- EMPLOYMENT: HUMAN FACTORS AND HABITABILITY, NASA

ARIZONA
In our dynamic labs, students and faculty conduct groundbreaking research. The Industrial Hygiene Lab allows students to evaluate hazardous environmental factors. College of Security and Intelligence students study in the Cyber Lab, dubbed the "Hacker Lab," learning to protect information from cyberattacks.

Other world-class facilities on campus include:
- Robertson Aircraft Accident Investigation Lab
- Ergonomics Lab
- STEM Education Center
- Jim & Linda Lee Planetarium

FLORIDA
The John Mica Aerospace & Engineering Innovation Complex houses multidisciplinary research labs and a high-performance computing facility, such as the Robotics & Autonomous Systems Facility and the Advanced Dynamic and Control Center. The MicaPlex brings students, faculty, and industry together, facilitating collaboration from early research to marketplace.

Adjacent to the MicaPlex lies the state-of-the-art subsonic wind tunnel.

Other world-class facilities on campus include:
- Gas Turbine Laboratory
- Propulsion Aerodynamics Computational Laboratory
Many Embry-Riddle alumni obtain jobs with prestigious employers in both private industry and government, while others carve their own paths as successful entrepreneurs.

Notable Achievements of Recent Graduates

**CHRISTINE DAILEY '09, '13** (above)
- Mechanical Engineering, B.S.
  Electromechanical Engineering, M.S.
  Mechanical Engineering, Ph.D. (in progress)
A mechanical engineer in the Unmanned Vehicle Research section of the U.S. Naval Research Laboratory, she works on projects such as Large Diameter Underwater Unmanned Vehicles, ION Tiger Fuel Cells, and Ship-launched EW Extended Endurance Decoys. She also co-hosts RoboNation TV, an online TV program for robotics enthusiasts.

**JASON ALVAREZ '13, '15** (above)
- Business Administration, B.S.
  Business Administration, M.B.A
As a Procurement Agent and Supplier Integration Leader in the Supplier Management organization at Boeing Commercial Airplanes, he manages and works with suppliers from across the world to ensure Boeing is delivering the best products and services to its airline customers.

**JAMES ELIAN '14**
- Aeronautical Science, M.S.
Promoted in 2015 to President and Chief Operating Officer of Airsprint Private Aviation, a Canadian company that offers fractional aircraft ownership.

**DERICK STANLEY '06, '11**
- Aeronautics, B.S.
  Aeronautical Science, M.S.
A Northrop Grumman Software Engineering Manager, he won the 2016 Black Engineer of the Year Modern-Day Technology Award.

**OLENA MANAKINA '15** (above)
- Aviation Finance, M.S.
Born and raised in the former USSR, she was the first recipient of the M.S. in Aviation Finance. Now a Network Scheduling and Planning Analyst for United Airlines, she pilots gliders and builds experimental aircraft during her down time.

**WILLIAM "BILL" BAYLISS '07, '14**
- Aeronautical Science, B.S.
  Safety Science, M.S.
One of just 10 airship pilots for Goodyear in the United States and one of 30 to 40 active airship pilots in the world, he earned his "wings" in 2014.

**LT. COL. GARRETT HOGAN '01, '06**
- Aerospace Engineering, B.S.
  Aeronautical Science, M.S.
In 2015, he was awarded the NATO Meritorious Service Medal—NATO’s highest award—from the Supreme Allied Commander Europe for meritorious achievement in the areas of allied electronic warfare, intelligence, surveillance and reconnaissance planning, and cross-domain operational level exercise reform.
UMAR FAROUK IDRIS '15, '17 (above)

› Software Engineering, B.S.
› Cybersecurity Engineering, M.S.
A software engineer at Intel, he performs platform evaluation and competitive assessment enabling various business units. He works hands on with the latest technologies in areas such as client systems, wearables, virtual reality and artificial intelligence.

SEGUN PRINCE OSEMENE ’17

› Safety Science, M.S.
Currently a safety analyst at one of John Deere’s largest and most unique factories, he is responsible for strategic key safety programs and a factory-wide hazard control program. He works with key stakeholders and engineers to prevent future hazards from being introduced into the company’s manufacturing processes.

ROSA SOSA ’17 (above)

› Security and Intelligence Studies, M.S.
Following graduation, she accepted an Intelligence Analyst position in Washington, D.C. operating a Counterterrorism Analyst Division under the Technology sector, collaborating directly with representatives of the Pentagon, CIA, FBI, and USMC. Now working at Cobham Aerospace, she focuses on cybersecurity, insider-threat programs and developing product security assessments.

“Embry-Riddle provided a foundation that was essential to my growth and development not only as a student but as an individual. The dedicated faculty, diverse student culture, and exposure to vast career opportunities have provided me with knowledge that will allow me to thrive in all my future endeavors.”

FIONA-MARIE JARDINE

› AEROSPACE ENGINEERING, B.S. AND M.S.
› EMPLOYMENT: PROPULSION DESIGN CONSULTANT
Graduate Programs

**KEY** ▲ Florida ▲ Arizona ▲ Asia ▲ Worldwide/Online

**MASTER'S PROGRAMS**
▲▲ Aeronautics
▲▲ Aerospace Engineering
▲▲ Aviation & Aerospace Sustainability
▲▲ Aviation Finance
▲▲ Aviation Maintenance
▲▲ Business Administration
▲▲ Business Administration in Aviation
▲▲ Business Administration in Aviation Management
▲▲ Civil Engineering
▲▲ Cybersecurity Engineering
▲▲ Cyber Intelligence & Security
▲▲ Cybersecurity Management and Policy
▲▲ Data Science
▲▲ Electrical & Computer Engineering
▲▲ Emergency Services
▲▲ Engineering Management
▲▲ Engineering Physics
▲▲ Entrepreneurship in Technology
▲▲ Human Factors
▲▲ Human Security & Resilience
▲▲ Information Security & Assurance
▲▲ Leadership
▲▲ Logistics & Supply Chain Management
▲▲ Management
▲▲ Management Information Systems
▲▲ Mechanical Engineering
▲▲ Occupational Safety Management
▲▲ Project Management
▲▲ Safety Science
▲▲ Security & Intelligence Studies
▲▲ Software Engineering
▲▲ Systems Engineering
▲▲ Unmanned & Autonomous Systems Engineering
▲▲ Unmanned Systems

**DOCTORAL PROGRAMS**
▲ Aerospace Engineering
▲ Aviation
▲▲ Aviation Business Administration*
▲ Electrical Engineering & Computer Science
▲ Engineering Physics
▲ Human Factors
▲ Mechanical Engineering

*Short-term Residency: This program requires an annual residency — about one week in duration — at a designated Embry-Riddle campus. Conducted in an executive-seminar format, residencies create opportunities to network and determine common research interests.

**Apply**
erau.edu/apply

**ADMISSION CHECKLIST**
Requirements vary by degree/campus. See website for specific requirements.

- $50 Application Fee
- Statement of Objective
- Resume
- Three Recommendation Letters
- Official GRE/GMAT results GRE ≥ 50%
- Benchmark, GMAT ≥ 550. Only required by some Embry-Riddle graduate programs. Required for scholarship consideration.

**ASSISTANTSHIPS & FINANCIAL AID**
- Graduate research and teaching assistantships are available. Once you’ve been admitted, your advisor can offer you guidance.
- Several types of loans are available to graduate students, including the Federal Perkins Loan, Federal Stafford Loans, Federal Graduate PLUS Loans, and private loans.
- Visit the Financial Aid page for your campus of choice at erau.edu.

**CONNECT WITH US!**

EMBRY-RIDDLE
Aeronautical University