

INVESTING IN THE FUTURE OF
**AVIATION AND
AEROSPACE**

Embry-Riddle Aeronautical University
College of Aviation

EMBRY-RIDDLE
Aeronautical University



Flight students in the Simulation Center

WE PRODUCE **AVIATION LEADERS**

When you make a gift to Embry-Riddle's College of Aviation, you are investing in the future of aviation and aerospace.

Home to the nation's largest aeronautical science program and the nation's first Ph.D. program in Aviation, we speak the industry's language — and flight is written in our DNA.

Every day, in our classrooms, laboratories and on our flight lines, our faculty, students and partners seek real-world answers to industry's most pressing challenges.

To help achieve our mission, we are asking our alumni, friends and all who care about aviation and aerospace to invest in our students, faculty, technology and research programs.



Together with your support, we'll create new knowledge, drive innovation and fuel prosperity for aviation — and for the people who serve it with great passion.



Student in the Aircraft Turbine Powerplants & Systems Lab

At the College of Aviation, we set the standard in high-level quality education demanded by the aviation profession by:

- /// Operating the largest and best professional pilot program in the nation
- /// Producing more air traffic controllers than any other collegiate aviation program
- /// Leading aviation maintenance science programs that produce highly sought-after aviation technicians
- /// Being the nation's first accredited UAS Unmanned Aircraft Systems (UAS) Science program
- /// Offering the nation's only undergraduate degree program in Spaceflight Operations
- /// Serving as a core member of the FAA's Center of Excellence in Unmanned Aircraft Systems and leading Technical Training and Human Performance

INVESTING IN FUTURE LEADERS

At Embry-Riddle's College of Aviation, we believe that the future of aviation and aerospace begins with recruiting and educating great students who have a passion for the industry.

Our students have a history of setting themselves apart from the typical college student. From day one, they set their sights higher. They arrive with a passion for all things aviation and aerospace.



Lynze Price, '17 — Aircraft Technician, Amway Aviation

And once they connect to our best-in-class curriculum, they do amazing things. They fly, test, repair and maintain planes to the highest safety standards. They operate and manage missions for unmanned aerial systems. They examine real and virtual crash sites to find solutions to ensure aircraft and operations safety. They tackle the challenges and opportunities of commercial and private space operations — everything from policy and operations, to safety, training, human factors, and planning.

That's why our graduates are the most sought-after professionals in the industry and hold some of the highest-level positions in their companies. They graduate ready to shape the future of aviation and aerospace.



With your support, we can continue to recruit and retain difference-makers for the industry.

INVESTING IN THE BEST FACULTY

Our faculty today are leaders in the classroom and in their fields. They lead symposiums and centers of excellence that tackle the biggest challenges facing the industry today, from pilot and maintenance shortages to the introduction of unmanned aircraft into the global airspace.

This combination of real-world industry experience and discipline-leading academic qualifications positions our faculty at the forefront of industry innovation — but to remain there, we must continue to invest in the best.



Michele Halleran, Professor of Aeronautical Science

Whether it's in the classroom, in laboratories or on the flight deck, great faculty are a “force multiplier” for inspiring and helping guide the success of our students.

One great faculty member can inspire generations of students who will shape the future of aviation and aerospace.

When you support a prestigious named chair, you enable the College of Aviation to attract faculty “stars” who bring in significant research support, lead the development of innovative academic programs and inspire students to pursue their dreams.



Establishing endowed chairs and professorships is the most powerful way to permanently strengthen faculties.

INVESTING IN LEADING TECHNOLOGY

Technology is the engine that drives aviation. To ensure students are prepared for dynamic careers after graduation, they need to interact with the same technology they will find at the cutting edge of aviation and aerospace — the kind of technology we house in our laboratories.



Student in the Virtual Reality Lab

From aerospace forensics to turbine engines, College of Aviation labs enable students to gain experience and obtain technical skills that directly prepare them for the latest industry careers.

But today's technology, like the industry it serves, is constantly evolving. Technology and laboratories require frequent updates to ensure that students have the tools they need to research, design and implement meaningful solutions to the increasingly complex and dynamic challenges of the aviation and aerospace industry.



When you invest to support enhancements in technology, you fully equip our students to translate hands-on educational experiences into powerful tools for providing real solutions to real-world challenges.

INVESTING IN INNOVATIVE RESEARCH

The aviation industry faces extraordinary challenges in the coming decades that it must address to ensure its growing prosperity. Pilot and maintenance shortages, the integration of unmanned aircraft systems, growing airspace/airport congestion, and emerging commercial space flight operations — all will play important roles in how we fly in the coming decades.



John Robbins, Associate Professor of Aeronautical Science

Embry-Riddle's College of Aviation is ideally positioned to help address these pressing issues. Our programs and research in pilot training, aviation maintenance, air traffic management, meteorology, unmanned aircraft systems and spaceflight operations place us in a leading position for developing real-world flight solutions.

To remain at the forefront of innovation, we need robust investment in research programs that leverage the analysis of big data and use technologies like virtual and augmented reality, machine learning and artificial intelligence to advance our industry.



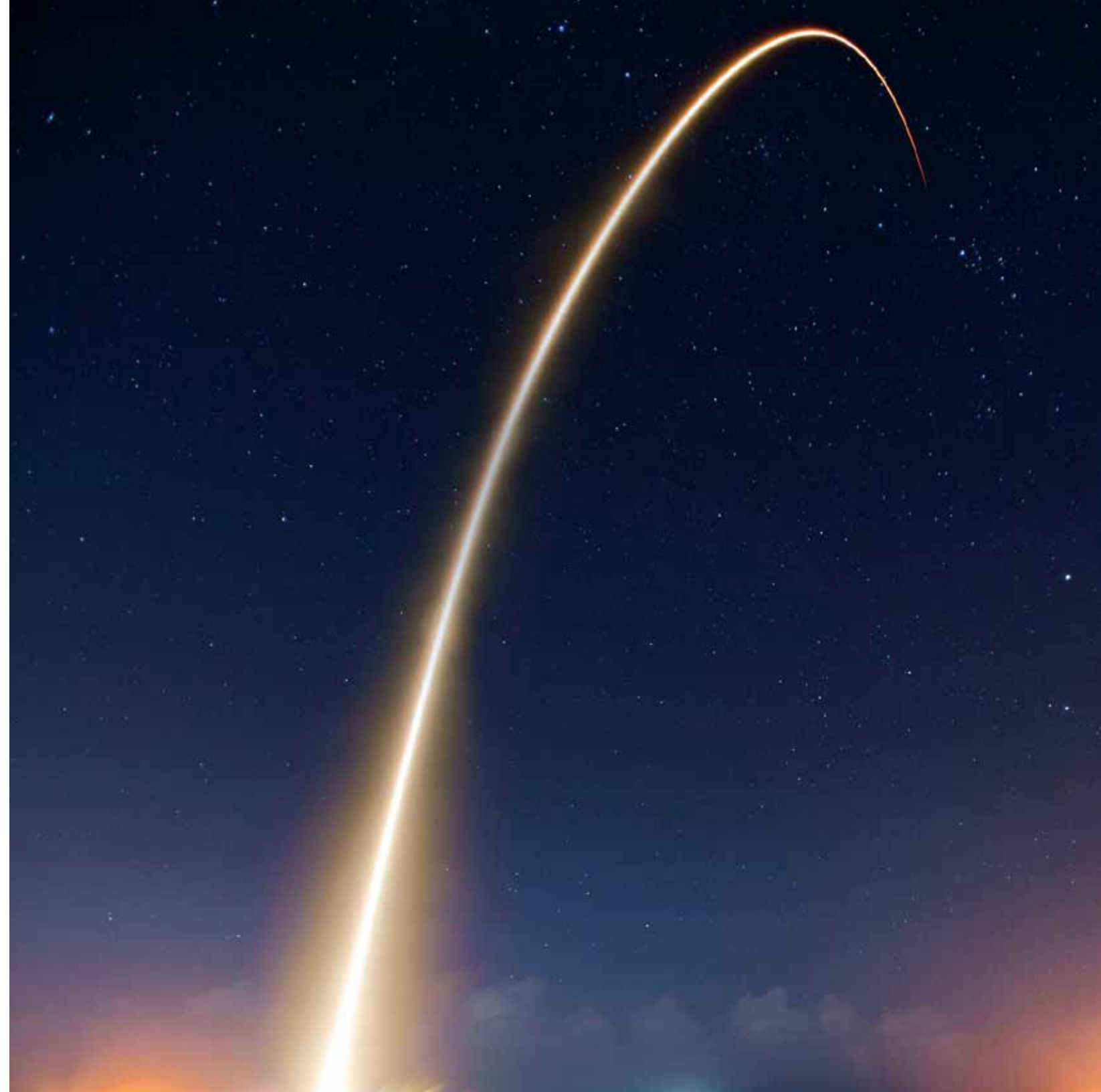
Your investment will help fund the College's efforts to provide industry solutions, attract grant dollars to fuel further discoveries and create more opportunities for students to collaborate with faculty in industry-leading research projects.

INVEST IN THE FUTURE OF **AVIATION AND AEROSPACE**

Embry-Riddle's College of Aviation is on the rise. With our unique focus on aviation and aerospace, our greatest achievements lie ahead. Finding answers to the industry's greatest challenges will require the kind of innovation and high-performers that we produce every year.

With your support, we will produce uniquely capable aviation leaders, spur innovation through applied research and propel the industry to new heights.

For more information about how you can support the College of Aviation and help shape the future of the industry, **contact us at 800.362.9285 or giving@erau.edu.**



givingto.erau.edu/aviationdb

Office of Philanthropy
800.362.9285 | giving@erau.edu

EMBRY-RIDDLE
Aeronautical University

College of Aviation | 1 Aerospace Boulevard | Daytona Beach, FL 32114