



UAA CONNECT

the official publication of the University Aviation Association

JUNE 2022

Congratulations to This Year's CAE Scholarship Winners!



Amanda Fallon



Antonella Mancebo



Norville Powell



Jeff Rosinbaum

Memphis, TN – The University Aviation Association announced their CAE Entry Jet Level Scholarship recipients.

2022 CAE Entry Level Jet Scholarship. Four students received the CAE Entry Level Jet Scholarship. Each student will receive a scholarship for training offered through CAE valued at \$17,000 each.

This year's recipients were:

Amanda Fallon from Embry-Riddle Aeronautical University – Daytona Beach, Amanda will graduate May 9, 2022 with a degree in Aeronautical Science, and is now a Graduate Student in the MBA program at ERAU. Amanda is an Assistant to the Director of Diversity Initiative at ERAU, and she hopes that this scholarship will be able to add a type rating to her pilot certificates and gain experience in corporate aviation.

Antonella Mancebo from Broward College. Antonella graduated August 2021 with a degree in Aerospace Science. Antonella is a Pilot/Sensor Operator for Surdex Corporation. With this scholarship she would like to become a corporate pilot while making an impact in the business aviation world.

Norville Powell from Utah State University, Norville graduated December 2020 with a B.S. in Aviation Technology-Professional Pilot, Fixed Wing. Norville hopes this scholarship will help him increase his pilot skills and hiring marketability and lead to his career end goal to be a professional Test Pilot.

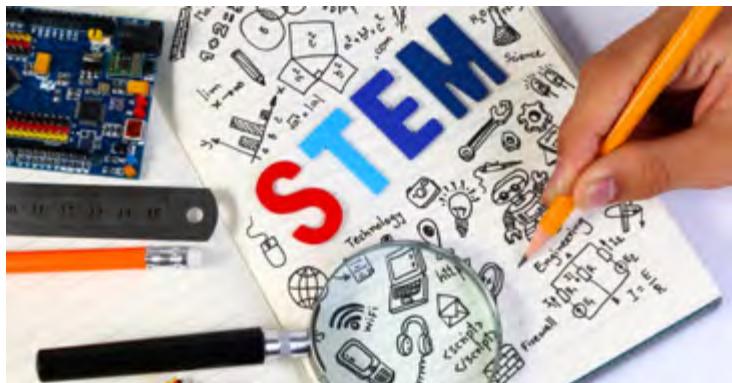
Jeff Rosinbaum from LeTourneau University, Jeff graduated May 2021 with a B.S. Professional Flight, with an aviation Maintenance Concentration. Jeff is a Flight Instructor at LeTourneau University. With this scholarship he would like to join the Corporate Aviation world.

University Aviation Association (UAA) represents collegiate aviation for over 200+ colleges and universities worldwide offering aviation majors (pilots, ATC, dispatch, drones, airline and airport management). UAA publishes the Collegiate Aviation Guide college catalog and partners with industry and government to advance collegiate aviation through internships, career fairs, scholarships and research studies

CAE, is a high technology company, at the leading edge of digital immersion, providing solutions to make the world a safer place. Backed by a record of more than 70 years of industry firsts, we continue to reimagine the customer experience and revolutionize training and operational support solutions in civil aviation, defense and security, and healthcare. We are the partner of choice to customers worldwide who operate in complex, high-stakes and largely regulated environments, where successful outcomes are critical. As a testament to our customers' ongoing needs for our solutions, over 60 percent of CAE's revenue is recurring in nature. We have the broadest global presence in our industry, with approximately 10,000 employees, 160 sites and training locations in over 35 countries.



Michigan Students Learn Aviation STEM at 'Flight Night'



(TNS) — Jack Barstow Municipal Airport was abuzz on Friday as over 100 third- and fourth-graders from Plymouth Elementary School participated in a Flight Night.

The event was a chance for the students to learn how science, technology, engineering and mathematics (STEM) applies to aviation.

Flight Night was part of a Chief Science Officer (CSO) action plan, hosted by Ava Nelson, an H.H. Dow High School senior. The CSO action plan focuses on spreading STEM in the community and schools. In the past, Nelson has held similar events for Central Park, Siebert and Adams elementary schools.

"Being so young, I feel like their idea of STEM careers is either you're an engineer or a scientist. I want them to have the idea that there are many STEM careers," Nelson said. "There's a ton of careers within STEM, and aviation is a small part of that."

Flight Night was directly aligned to Project Lead the Way, an elementary STEM curriculum. Flight Night tied in with the third graders' unit on the science of flight.

Jen Servoss, Midland Public Schools curriculum specialist for elementary instruction, appreciated how the Flight Night had a hands-on connection with the classroom lessons. She hoped the students understand that anything is possible in STEM careers.

"I think that living in our world today, all of the aspects of STEM education are where careers are headed today," Servoss said. "It's so applicable to so many aspects of the real world."

Nelson was accompanied by two younger CSOs: Preston Komara, a seventh-grader at Jefferson Middle School, and Braeden Oehring, a seventh-grader at Freeland Middle School. Nelson hopes Komara and Oehring will be able to take over the local CSO program next year after she graduates.

"You always get to learn something from these events," Oehring said, adding that interactive STEM events are fun.

"You're basically getting a whole lesson out of this event, but it's hands-on, it's fun," Komara added. "It's not like sitting in a classroom and getting a lecture."

Flight Night operated as an open house, with students and their parents moving between 14 stations. Students were able to see different types of aircraft up close — some venturing into cockpits — create their own tail number, learn the different parts of a plane, discover the four forces of flight, read a compass and test a flight simulator, among other activities.

Airport Manager Sarah Pagano explained how deeply STEM is integrated into aviation. With science, aviators can understand the forces of flight. Technology comes into play with the know-how of operating a cockpit. Some pilots use engineering to build their own planes. Finally, math is used to calculate the weight and balance as well as the fuel amount.

"(Aviation) is 100 percent STEM," Pagano stated. "Planes do not get off the ground without STEM."

Pagano hopes the students understand that the airport is available to them, perhaps even generating an interest in aviation.

"For me and the other aviators who are here, to be able to share what we love with the kids is worth more than words," Pagano said.

UAA Announces New Scholarships for Faculty

UAA is pleased to invite applications for the UAA Faculty Scholarship for the 2022 Collegiate Aviation Education Conference. The scholarships (valued at \$1,500 each) aim to provide promising young faculty from selected institutions, who would not otherwise be funded for conference, financial support to attend.

The scholarships are designed to provide faculty enrichment for developing institution programs that are committed to aviation faculty development. Applicants must be full-time aviation program staff or faculty at a college or university and provide a letter of support for their request.

Application deadline is Monday August 1, 2022. For additional information, contact Dawn Vinson at dawn.vinson@uaa.aero.

With DOT Audit Ongoing, FAA Reverses On eVTOL Certification Criteria



Though the FAA maintains it won't affect certification timelines, the agency announced yesterday (May 9) that it was revising its certification protocols for electric vertical take-off and landing (eVTOL) aircraft. Rather than performance-driven requirements as mandated under Part 23 (small-aircraft) certification rules (as previously planned), now eVTOLs will be evaluated as "powered-lift" aircraft, a category originally established to accommodate civil tiltrotors such as the Leonardo AW609.

The implications of the new arrangement are confusing and said to be potentially troubling from the perspective of investment capital for eVTOL developers such as Joby Aviation, Archer and Beta Technologies. All three have said they expect FAA certification in 2024.

According to a Reuters report, the impetus for the shift came from an ongoing audit by the U.S. Department of Transportation's Office of the Inspector General. The IG said so-called Urban Air Mobility vehicles present the FAA with "new and complex safety challenges."

From yesterday's FAA statement: "The FAA's [Part 23 certification] regulations were designed for traditional airplanes and helicopters. However, these regulations did not anticipate the need to train pilots to operate powered-lift, which take off in helicopter mode, transition into airplane mode for flying, and then transition back to helicopter mode for landing."

What makes the FAA statement confusing is the mention of "long-term" plans to develop future regulations for eVTOLs in the powered-lift category regarding "operations and pilot training." Meanwhile, however, in the short term the FAA cited plans to create a "special class" process—under FAR 21.17(b) rules—that will reportedly incorporate Part 23's performance-based airworthiness standards.

"This 'special class' process is designed to address the many novel features of unique aircraft such as these emerging powered-lift designs," according to the agency. "This regulatory framework already exists, and this approach is consistent with international standards."

In a written response to a request for clarification, an FAA spokesperson told AVweb:

"The FAA's top priority is to make sure the flying public is safe. This obligation includes our oversight of the emerging generation of eVTOL vehicles. The agency is pursuing a predictable framework that will better accommodate the need to train and certify the pilots who will operate these novel aircraft."

"Our process for certifying the aircraft themselves remains unchanged. All of the development work done by current applicants remains valid and the changes in our regulatory approach should not delay their projects. As this segment of the industry continues to grow, we look forward to certifying innovative new technologies that meet the safety standards that the public expects and deserves."

Nominations Open for UAA Board Positions

Officers

2 year positions

President & Vice President

Both the President and Vice President will serve concurrent two-year terms. Succession from the Vice President position to President is not guaranteed and the Vice President will need to specifically run for the position of President in a separate election the following year. The new Vice President to serve for the remainder of the 2-year term after which the position will be rotated into the regular election cycle every two years.

Trustees

3 year positions

Educator Trustee - 2 positions

An Educator Trustee shall be a person who is a voting member in good standing in the Institution, Academic or Emeritus membership categories and a faculty member or administrator at a college or university, which is an Institutional Member of UAA. No two Trustees shall be from the same institution or organization.

Industry Trustee - 2 positions

An Industry Trustee shall be a person who is an individual voting member in good standing and a full-time employee of a company, government agency, or officer of a non-profit organization, which is an Industry member of UAA.

Member at Large - 1 position

A Member-At-Large Trustee is a person who is an individual voting member in good standing in the any category of membership. No two Trustees shall be from the same institution or organization.

Contact Dawn Vinson at hello@uaa.aero

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16-Year Old Black Pilot is Flying Solo to Seven HBCUs to Learn the Black History of Aviation



Sixteen-year-old Zaire Horton is using his private glider pilot license to discover the importance of reaching back to knowledge gained about the Black history of aviation.

According to WDTN, the Chicago teen will be embarking on a solo trip in his motor glider with plans to visit seven HBCUs that were influential in teaching pioneering Black pilots during World War II.

"The seven states that my instructor and I have selected for my tour all house a historically Black university that played an instrumental role in the history of aviation," Horton said.

Horton's solo trip began in Chicago, and he has reportedly made his first stop in Xenia, Ohio, to visit Wilberforce University, the nation's first private HBCU. This groundbreaking university was among other Black-owned institutions during the 1940s that fought vigorously for Black soldiers to pick up arms and fight.

"Most people don't realize that Tuskegee wasn't the only university or HBCU that was training pilots for World War II," Horton said, as per CBS News.

As a freshman, the teen pilot started taking classes at the College Preparation and Placement Program at Dunbar Vocational Career Academy in Chicago, CBS News reported. At first, he was a bit reluctant, but it wasn't until his third weekend of the class, when his instructor, Umberto Ricco, took him flying, that his feelings changed.

"In Chicago, you don't really hear too much about people flying just like me, I didn't know," Horton said.

Now, this indescribable feeling he gets when he flies is fueling his dreams of becoming a cargo or commercial pilot. And he wants to set an example for other teens.

"I want to encourage teens who would be interested to learn to fly without encountering some of the socio-economic barriers typically associated with careers in aviation." Flying is another way to open doors, and I want to inspire them to experience that," Horton said, according to WDTN.

Aurora College, Fort Smith Flight School Launching Aviation Diploma



The diploma, a two-year program, will launch in September this year. The goal is for students to obtain a pilot's licence from the aviation school while achieving their diploma at the college.

"The combined program is designed to both help address the pilot shortage in the northern aviation industry and to complement technical flying skills with business knowledge and skills that can better position graduates for employment and entrepreneurial opportunities in the North," Aurora College said in a news release last week.

"It will prepare graduates for employment in business and government positions in northern aviation."

Fort Smith's Northwestern Air launched the flight school in 2019. At the time, the then-84-year-old pilot for whom it is named memorably deadpanned: "I wish they'd waited until I was dead, that would have been better."

In last week's news release, Northwestern chief operating officer James Heidema said the partnership with Aurora College would "better serve their students and offer a significant program."

Dr Glenda Vardy Dell, Aurora College's new president, said the diploma was "an excellent example of the types of partnerships that will help us ... support the transformation of Aurora College into a polytechnic university."

That transformation, in progress for the past four years, is expected to be largely complete by 2025.

Delta Airlines INTERNSHIPS Available

Flight School Major

<https://delta.avature.net/careers/JobDetail/Flight-Operations-Flight-School-Intern-Fall-2022/14884>

Aviation Management Major

<https://delta.avature.net/careers/JobDetail/Flight-Operations-Aviation-Management-Intern-Fall-2022/14885>

Mohawk Valley Community College Airframe Students Compete in Texas



ROME – Mohawk Valley Community College aviation maintenance students recently traveled to Dallas, Texas, to compete in the Aerospace Maintenance Competition (AMC), which recognizes the work of aviation maintenance technicians and provides an opportunity for current and future technicians to showcase their skills and see how they stack up against peers across the country.

MVCC's team was made up of Nicholas Gross, Nicholas Watkins, Michael Szczesniak, Brock Cottrell, and Nicholas Maw — all students in MVCC's Airframe and Powerplant Certificate program.

During the competition, five-member teams compete in one of six categories: commercial aviation, general aviation, space, education, military, and repair and manufacturing. In total, there were 74 teams — including professional and college teams — competing in 27 maintenance skill events. MVCC's team finished 35th overall and 13th out of 28 college teams.

They also placed in the Top 10 in 11 different events, five of which were Top 5 finishes, including fifth in Flex Fluid Lines education; fourth in External Power Receptacle education; second in E-Drill Fastener Removal education; third in Safety Wiring education; and fourth in Cable Rigging education.

"This was a very good showing, especially for a one-year program," said MVCC Aviation Programs Director Walt Constantini. "Most other college teams are able to place at least a few of their team members on the team for two years, and the professional teams have a lot of competition experience."

MVCC's Airframe and Powerplant Technician Certificate program is one of only a few one-year programs in the country. Based a short distance from MVCC's campus in Rome, the majority of instruction takes place in the college's state-of-the-art aviation training center, located at 645 Bomber Drive, along the flight line of Griffiss International Airport.

The FAA-authorized program is structured as a 40-hour-per-week training program that runs in three consecutive semesters. Over the course of 12 months, students receive 1,905 hours of training that prepares them for the examinations required to be issued the FAA Airframe and Powerplant Certificate, while gaining hands-on experience with MVCC's fleet of operational aircraft.

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The Maintenance Hub interface is shown across three devices:

- Tablet (Top Left):** Displays the "Inventory" screen. It includes tabs for "Parts", "Stock Records", and "Part Requests". A search bar at the top has fields for "Find" (with a magnifying glass icon) and "Search". Below the search bar are buttons for "Alerts" and "Part". A list of parts is displayed, with the first item being "0765041-1 • Gasket, Fuel Strainer". A blue callout bubble labeled "Add parts directly to WOs" points to a button in the top right corner of the tablet screen.
- Laptop (Bottom Left):** Displays the "Alerts at a glance" screen. It lists several alerts with part numbers and descriptions, such as "106-8371-3 • Carb Heat Air Intake" and "2050005-1 • Carb Air Intake". A blue starburst-shaped callout bubble labeled "New!" is overlaid on the left side of the laptop screen.
- Smartphone (Bottom Right):** Displays the "W012345" work order screen. It shows details for an "Annual Inspection" in "Hangar 1" starting on "12/10/2020 9:00 AM" and ending on "12/12/2020 5:00 PM". The "Parts" tab is selected, showing a list of items added to the work order, such as "PR1234 - 08-17163 - Alternator, Ce...". A blue callout bubble labeled "Quantity, Condition, Location" points to the "Stock Record" column in the parts list. To the right of the parts list, there is a detailed "Details" section for part number "10-09327 - Lycoming, Starduster".

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JUNE 18-19, 2022

Millington, TN

Grab a Table Under the UAA Tent at the College Commons



University Aviation Association is inviting our members to celebrate the innovations that strengths of the aviation community by featuring the UAA College Commons for two full days in June as part of the Midsouth Airshow at the Memphis-Millington Airport.

The College Commons will highlight airline and aviation industry careers and the college education resources and opportunities available to prospective students wishing to enter the fields of aviation.



Join us as we bring dedicated college and university educators from around the nation for sharing collegiate pathways to the in-demand careers as pilots, aircraft mechanics, drone operators, ATC, dispatch, avionics, and airline and airport management.

If you have your own school branded tent, or are bringing your airplane for display, you can register directly with the Midsouth Airshow using the attached application. Please note on the form that you are part of UAA or College Commons and you will be placed along our corridor.

UAA will have a limited number of 6 foot tables under our larger tent to share with schools that do not need a 10x10 space to themselves. If you would like to share a table under our tent, please reach out to me at dawn.vinson@uaa.aero or 901-563-0505



HOURS

- Friday, June 17, 2022 - Exhibitor Set-up
- Saturday, June 18, 2022 - Airshow gates open at 8-6/ flying 11-4:30
- Sunday, June 19, 2022 - Airshow gates open at 8-6/ flying 11-4:30

WELCOME NEW UAA MEMBERS

Institution

Southeast Missouri State University

Industry

Avsoft International Inc - Kim Halat, Jason Moore, Tobias Youngs

RESIDCO - David Kolber, Meghan Berner, Scott Daniels

Academic Professional

Garam Kim, Purdue University

Student

Jaden Allenbrand, Kansas State University, Salina

Samantha Brown, University of Nebraska – Omaha

Jose Colina, Delaware State University

Eric Deles, Saint Louis University

Michael Easie-Witter, Tennessee State University

Matthew Kobal, Broward College

Kaden Olsen, Central Washington University

Rickie Richards II, Liberty University

Kacper Rosinski-Lis, Embry-Riddle Aeronautical University WorldWide

UAA Scholarships NOW AVAILABLE

DEADLINES: JUNE 30

Devore Scholarship

Award Amount: \$1,000

Eugene S. Kropf Scholarship

Award Amount: \$500

Joseph Frasca Excellence in Aviation Scholarship

Award Amount: \$2,000

Paul A. Whelan Aviation Scholarship

Award Amount: \$2,000

Piedmont Scholarship for Flight Training

Award Amount: \$3,000

[Click here for more details.](#)

EMBRY-RIDDLE

Aeronautical University

Role of Out-of-School Time STEM Programs on Aviation Workforce Recruitment and Retention

Participants needed for a study examining STEM experiences on aviation recruitment/retention

Overview

The purpose of this research study is to examine the self-perceived effect of out-of-school time (OST) science, technology, engineering, and math (STEM) experiences, as compared to in-school-time (IST) STEM experiences, on the career path of current aviation employees.

This study will involve completing a short survey in which you will be asked to reflect on your prior STEM experiences, the impact that those STEM experiences had on shaping your career, and how your prior STEM experiences affected your career in the aviation field.

Your online participation in this study is expected to take no more than 10 minutes total. The risks of participating in this study are no more than what is experienced in daily life.

Eligibility

You are required to meet the prerequisites for the study:

- At least 18 years of age
- Located in the U.S.
- Participated in a STEM program during your K-12 education, which includes science, technology, engineering, and/or math concepts
- At some point in your career been employed in the field of aviation

Contact Information

For more information, please contact the principal investigator

Andrew Koch
kocha4@my.erau.edu



Access the survey [here!](#)

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'I Want to be a Pilot' Event Inspires Girls to Aim High



The annual event that promotes women in aviation took off Saturday at the Waterloo Wellington Flight Centre, inspiring the next generation of girls to experience what it is like to take flight.

Iffat Chowdhury took her 4-year-old daughter to the 'Girls Can Fly' event to give her experience in the aviation industry and see if she had any interest.

"I'm learning to fly," said Afseen as she ran to look at the Waterloo Warbird again.

"The kids are very interested to see the planes. She's enjoying it, she pulls me along 'mom, let's go see this one.' I just wanted to see if they were interested in flying."

Great Lakes Helicopter from Cambridge was there to offer

free rides and help educate girls on what it is like to be pilots.

"They're all running back to their parents with stories about how they're going to be helicopter pilots, it was very sweet," said Grace Freiheit, a commercial pilot.

"Part of the reason I came to Great Lakes Helicopter in the first place is because they have 5 or 6 women working for them."

The event hosted different vendors and educational activities for girls of various ages. A flight simulator, Lego building station, food trucks and plane tours were available all day as well as pre-registered flights for a plane or helicopter.

Arpan Srawn, a science and aviation student at the University of Waterloo, doing her licensing at the WWFC, volunteered at the 'Girls Can Fly' event Saturday.

"This is really, really important to me, being a woman myself and seeing all these little girls who want to be in aviation one day and seeing them be so inspired by all of us over here."



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College Commons at the Midsouth Airshow



University Aviation Association invites our members to join us at the UAA College Commons for two full days in June as part of the Midsouth Airshow at the Memphis-Millington Airport.

The College Commons highlights airline and aviation industry careers and the college education resources and opportunities available to prospective students wishing to enter the fields of aviation.

JUNE 18-19, 2022

Millington, TN

Saturday & Sunday

June 18-19, 2022 - Airshow gates are open at 8am - 6pm / flying 11am - 4:30pm

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Embry-Riddle Aeronautical University Named First School To Join Atlas Air's Pathway to Success Program for Pilots



Atlas Air, Inc., a subsidiary of Atlas Air Worldwide Holdings, Inc. (Nasdaq: AAWW), today announced it has launched its Pathway to Success Program for pilots with Embry-Riddle Aeronautical University.

Embry-Riddle is the first school to participate in the program through which Atlas Air will recruit, train and hire qualified graduates of Embry-Riddle's Daytona Beach, Florida, Aeronautical Science degree program.

"We are excited to partner with Embry-Riddle Aeronautical University, a leader in aviation education, through our Pathway to Success Program for pilots," said John W. Dietrich, president and chief executive officer of Atlas Air Worldwide. "Atlas Air will further enhance our stellar workforce by recruiting highly qualified pilots directly from Embry-Riddle. Those students will have first access to join our talented team at Atlas Air and fly our formidable fleet around the world on behalf of our highly diversified customers."

Placing Graduates in Rewarding Careers

This program is designed to place highly trained aviators into professional positions.

"A key goal at Embry-Riddle is to help graduates secure meaningful, well-paying jobs," said Dr. Alan Stolzer, dean of the College of Aviation at Embry-Riddle's Daytona Beach Campus. "We also strive to support the industry by preparing skilled aviators who are exceptional decision-makers. Embry-Riddle's agreement with Atlas Air is well aligned with both of those objectives. It is a win-win for our graduates and for the aviation industry."

Dr. Ken Byrnes, chair of the Flight Department at Embry-Riddle's Daytona Beach Campus, said, "The new agreement with Atlas Air will provide students with an exciting opportunity to work for a literal giant in the aviation industry. Because Atlas Air operates a large Boeing fleet, including 747, 777, 767 and 737 aircraft, students who are hired by the company will have opportunities to fly cargo as well as passenger missions, both domestically and internationally."

Captain Jeff Carlson, senior vice president of Flight Operations at Atlas Air and a graduate of Embry-Riddle,

said first officer trainees in Atlas Air's Pathway to Success Program enjoy benefits, including a monthly stipend, medical benefits, 401k, required courses and check rides.

"Pilots who successfully complete our comprehensive training program are eligible to fly our widebody fleet throughout our global network, depending on their credentials, as they build their careers with Atlas Air," said Captain Carlson.

Program Criteria

Embry-Riddle graduates selected to take part in the Atlas Air Pathway to Success Program will be granted preferential interviews with Atlas Air. To be considered, candidates must meet these and other criteria:

Bachelor's degree in Aeronautical Science (3.0 grade point average and an exceptional flight training record)

- First Class medical certificate
- Three full semesters of service as a full-time Certified Flight Instructor
- FAA Commercial Pilots certificate with a multi-engine rating
- FAA Flight Instructor certificate
- Graduate with academic experience required for Restricted Airline Transport Pilot (R-ATP)
- Reach R-ATP eligibility and required minimum flying experience within two years of graduation
- A video introduction and letter of recommendation are among the program's other requirements.

For complete details and to determine eligibility, Embry-Riddle students should contact Lauren Burmester in Career



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Aerodynamics of Perching Birds Could Inform Aircraft Design

If you have ever watched a bird land on a tree branch, you may have noticed that it rapidly pitches its wings upward at a high angle to execute a smooth landing. However, for some birds, they land by folding their wings as they perch instead, creating a sweeping motion as they decelerate.

To uncover the mystery behind these differences in motion, a team of researchers in the UCF Department of Mechanical and Aerospace Engineering studied the aerodynamics of bird perching maneuvers and their implications for aircraft design. The researchers' findings were recently published in *Physical Review Fluids*, and it was highlighted as an "Editor's Suggestion."

The team, led by aerospace engineering doctoral student Dibya Raj Adhikari, found that the sweeping motion, which changes the shape of a bird's wing, increases lift and allows for better control of aerodynamic forces during a landing.

"A complete understanding of this perching maneuver would help to quantify the performance of the natural flyers and aid in the design of safer aircraft," Adhikari says. "This perching maneuver also allows the birds to land smoothly within a short distance. So, a perching maneuver with swept-wing configuration can be an option where runway distance is an issue."

To simulate the motion of bird wings, the team used aluminum plates that they pushed through a tank of water containing silver-coated glass spheres. A rectangular plate was used to mimic a straight wing while a tapered plate was used to mimic a folded wing. The plates were moved at a constant speed for a few seconds, then tilted and shifted

toward the tank wall during deceleration to imitate a bird pitching and heaving its wings as it lands.

The researchers found that the swept-wing motion stabilized the leading-edge vortex, one of the main mechanisms that enhance lift. This stabilization ultimately leads to a better landing in birds -- and potentially in aircraft.

Adhikari worked on this research under the guidance of Assistant Professor Samik Bhattacharya, whose previous work attracted him to UCF.

"During my master's, I worked on a bio-inspired flight using experimental techniques," Adhikari says. "I wanted to explore more in this field, and I found Samik Bhattacharya doing a similar kind of research here at UCF."

Adhikari now works for Bhattacharya in the Experimental Fluid Mechanics Lab. Bhattacharya's NSF CAREER award, which he received in 2021, partially funded this research. Co-authors of the paper include Assistant Professor Michael Kinzel and aerospace engineering doctoral student George Loubimov '20MS.

Bhattacharya joined UCF as an assistant professor in 2016. He received his doctoral degree in aerospace engineering from The Ohio State University, his master's degree in aerospace engineering from Auburn University and his bachelor's degree in mechanical engineering from the National Institute of Technology in Warangal, India. He is also a researcher with UCF's Center for Advanced Turbine and Energy Research.



The National Training Aircraft Symposium

October 24 - 26, 2022

The symposium will consider the future of aviation, including flight training, advanced air mobility, aviation safety and maintenance, unmanned aerial systems, and virtual reality in aviation training. erau.edu/ntas

Submit an abstract by **May 31st, 2022**. Abstract decisions will be announced on or before **July 1st, 2022**. Contact NTASPU@erau.edu with questions. Registration is now open.

The *Journal of Aviation/Aerospace Education and Research (JAAER)* is the official journal of NTAS. erau.edu/jaaer





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Learn more about Piedmont team members and their journey in the aviation industry.

Piedmont-Airlines.com



UND, Frontier Airlines Agree to New Career Pathway Partnership



(Grand Forks, ND) -- The University of North Dakota and Frontier Airlines recently reached an agreement creating a career pathway program for students in the John D. Odegard School of Aerospace Sciences.

Frontier Airlines joins a robust list of U.S. airlines that have established similar programs with UND Aerospace – providing commercial aviation students with an opportunity to interview at a major airline prior to graduation.

"We are very excited for this new and unique partnership with Frontier Airlines," said Elizabeth Bjerke, associate dean of UND Aerospace. "Not only are they providing an amazing opportunity for our graduates, they are also partnering with the University to provide training and educational experiences for our faculty and staff in order to keep them proficient and current in advanced aircraft operations."

Upon a successful interview process with Frontier, students will then have a predetermined, accelerated route to meet training requirements and join the airline's pilot workforce. Through the program's requirements, this new agreement with Frontier will also help UND in its need for advanced flight instruction, according to UND Aerospace.

"We are thrilled to partner with the University of North Dakota to support this exciting career pathway program for future pilots," said Brad Lambert, vice president of flight operations for Frontier Airlines. "This novel agreement will enhance our future pilot pipeline and bring valuable training expertise to the University. It's a true win for both organizations."

Kent Lovelace, UND's director of aviation industry relations, highlighted what makes this latest agreement unique among other pathway programs from major airlines.

"Instead of going to a regional carrier after graduation, students with 1,000 hours of flight time who are selected by Frontier Airlines will go directly to Frontier for training and operating experience, flying their aircraft" Lovelace said. "Following around 40 hours of operating experience training at Frontier, a select number of those in the program will come back to UND and serve as flight instructors in advanced aircraft operations courses."

Due to the industry-wide demand for pilots, UND Aerospace has been challenged to keep instructors with appropriate experience to teach higher-level "jet transition" courses such as multi-engine systems and advanced aircraft operations – courses that are crucial for students who want to work for major airlines, Lovelace said.

Pilots coming back to UND will instruct for 250 hours before resuming their careers at Frontier Airlines. During their time at UND, pilots will retain their benefits and earn a salary equal to what they would earn at Frontier, Lovelace said.

"Frontier came to us and said, 'How can we set this up to where we both win,'" Lovelace remarked. "The resulting program is a concept that's unique compared to most, and it will help us have a cadre of qualified instructors for advanced instruction purposes."



Need Help Attending Our Conference?

We know that justifying attendance at conference is tough, and that is why we are here to help!

Our justification kit includes the following:

- A justification letter
- Expense worksheet
- Post conference report

If you would like a justification kit please contact Laura Swanson at lswanson@uaa.aero.

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ATTENDEE REGISTRATION NOW OPEN!



Collegiate Aviation Education Conference & Expo

October 4-7, 2022

Learn, Network, Connect

The annual collegiate aviation conference is the premier gathering place for college and university educators focusing on the collegiate aviation industry. It includes presentations from government agencies, university professionals, research-based programs, safety professionals, and those committed to best practices in aviation education in aviation in the college and university environment.

Attendees include university administrators, professors, faculty, and students from across the disciplines of flight, aviation maintenance, ATC, dispatch, avionics, safety, unmanned aerial systems, airline, and airport management.

This conference is a tremendous opportunity for you to meet and reach out to leaders who are the forefront of improving the quality of aviation education. Exhibitors and participants will have the chance to network during the three-day event. The conference is held October 4-7, 2022 at The Antlers Hotel Colorado Springs.

Full Registration Includes

- 3 days of education sessions, workshops, & keynote speakers
- Admission to the exhibit hall
- 3 Refreshment breaks in the exhibit hall
- 4 days of morning coffee
- Educational Tours - Tuesday (AM and PM)
- 3 networking receptions - Wednesday, Thursday, & Friday evening
- Awards Banquet Thursday (limited seating available)

Spouse Pass for social networking events

An enjoyable time for non-attending companions of full registration conference attendees and speakers. Admission to education sessions is NOT included. **\$199 Fee**

Spouse Passes Includes:

- Refreshment breaks in exhibit hall
- Edu Tours - Tuesday
- Morning coffee Tuesday - Friday
- Evening receptions Wednesday - Friday

Workshop & Safety Infoshare

Wednesday, Safety Infoshare & workshops ONLY \$150. No walk-in/registration will be offered for Safety Infoshare.



20
Education Programs



55+
Exhibitors



60+
Universities



300+
Attendees



50+
Speakers

How to Register

Online: https://www.memberleap.com/members/evr/reg_event.php?orgcode=UAA&evid=29717497



Collegiate Aviation Education Conference & Expo

October 4-7, 2022

SCHEDULE

TUESDAY • OCTOBER 4

0900-noon	EduTours (off-site) * <i>limited availability</i>
1230-1530	EduTours (off-site) * <i>limited availability</i>
1600-1830	BOARD OF TRUSTEES MEETING (open to all members)

WEDNESDAY • OCTOBER 5

0800-1330	Registration Opens
0830-1600	Safety Infoshare
0900-1130	Professional Development Workshops
1130-1230	Committee Chairs Luncheon (chairs & board members only)
noon-1700	Exhibitor Move-In
1230-1430	Professional Development Workshops
1500-1700	Professional Development Workshops
1630-1700	First Time Attendee Social
1700-1800	WELCOME TO COLORADO RECEPTION

THURSDAY • OCTOBER 6

0700-1330	Registration Opens
0800-0900	Opening Keynote Session
0900-1600	Exhibit Hall Open
1000-1100	Committee Meetings - session A
1130-1300	ANNUAL AWARDS BANQUET * <i>limited availability, ticket required</i>
1130-1445	Education Session
1545-1645	Education Session
1700-1800	NETWORKING RECEPTION

FRIDAY • OCTOBER 7

0700-1330	Registration Opens
0700-0750	Past-Presidents Breakfast * <i>by invitation</i>
0800-0900	Keynote Panel
0800-1500	Alpha Eta Rho Conference Student Program
0900-1500	Exhibit Hall Open
1000-1100	Committee Meetings - session B
1130-1245	Education Session
1130-1300	Executive Leadership Luncheon * <i>by invitation, ticket required</i>
1330-1430	Education Session
1330-1430	Membership General Session
1445-1545	Education Session
1600-1645	CLOSING RECEPTION



Collegiate Aviation Education Conference & Expo

October 4-7, 2022

Joining Conference with Alpha Eta Rho



100+
Alpha Eta Rho
Students



60+
Universities

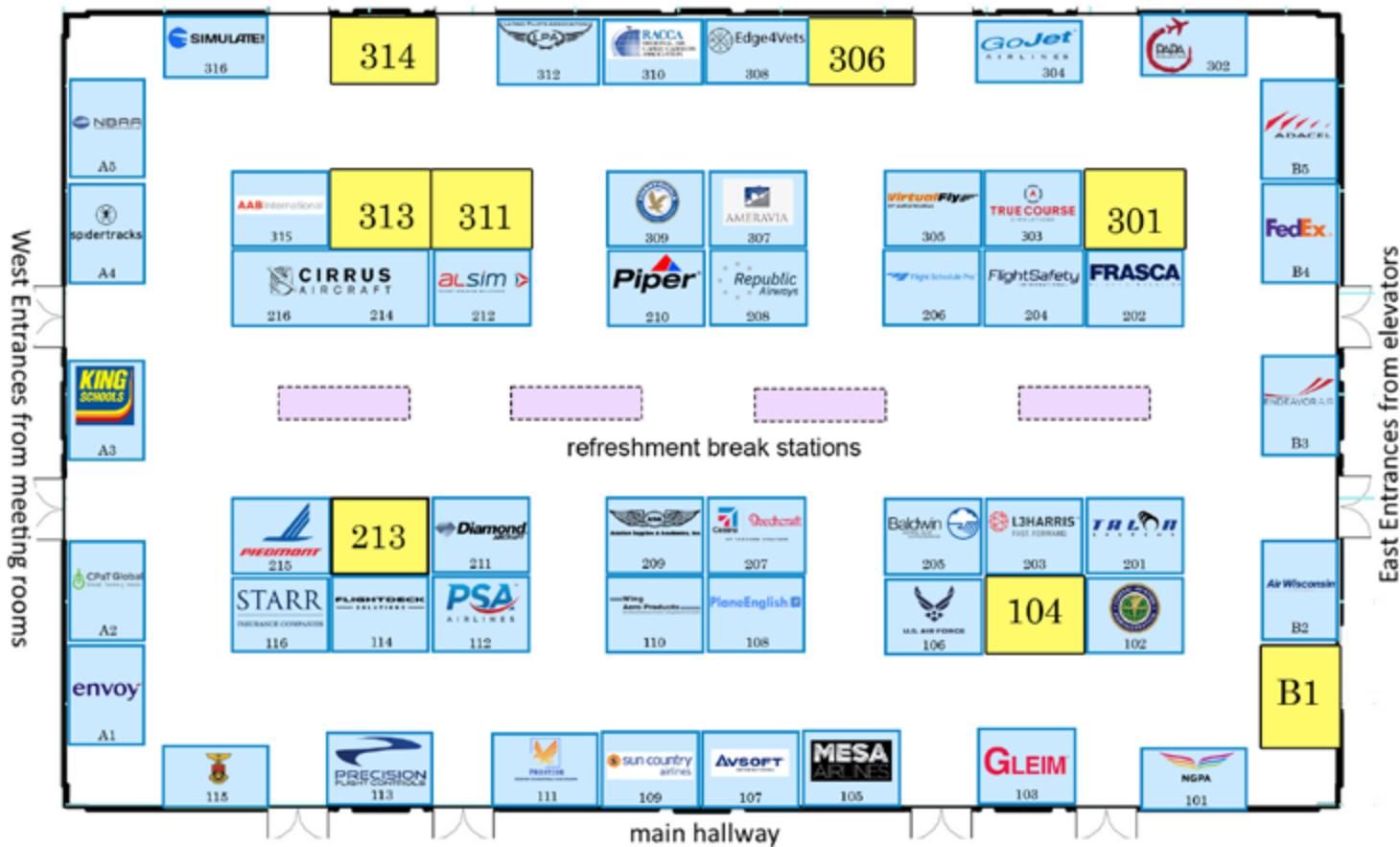


300
Aviation Faculty
Attendees



15+
Military & Airlines

Antlers Hotel
Colorado Springs, CO





Collegiate Aviation Education Conference & Expo

October 4-7, 2022

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GRANT OPPORTUNITIES

Department of Education

DEADLINE: June 6, 2022

Office of Postsecondary Education (OPE): Higher Education Programs (HEP)

<https://www.grants.gov/web/grants/view-opportunity.html?oppId=339213>

Department of Labor

DEADLINE: June 8, 2022

Workforce Opportunity for Rural Communities (WORC): A Grant Initiative for the Appalachian and Delta Regions

<https://www.grants.gov/web/grants/view-opportunity.html?oppId=336759>

Department of Education

DEADLINE: June 10, 2022

Office of Postsecondary Education (OPE): Higher Education Programs (HEP): Veterans Upward Bound (VUB) Program, Assistance Listing Number (ALN) 84.047V

<https://www.grants.gov/web/grants/view-opportunity.html?oppId=339671>

Department of Education

DEADLINE: December 6, 2022

Office of Postsecondary Education (OPE): Higher Education Program (HEP): Basic Needs for Postsecondary Students Program, Assistance Listing Number 84.116N

<https://www.grants.gov/web/grants/view-opportunity.html?oppId=336398>

Dept of the Army – Materiel Command, Department of Defense

DEADLINE: April 30, 2024

Department of Defense Research and Education Program for Historically Black Colleges and Universities and Minority-Serving Institutions (HBCU/MSI).

<https://www.grants.gov/web/grants/view-opportunity.html?oppId=316548>

Tribal Colleges and Universities Program (TCUP)

DEADLINE: February 3, 2027

STEM education, research, and outreach

https://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf21595

National Space Grant Institution

DEADLINE: February 3, 2027

National Space Grant College and Fellowship Program

<https://www.grants.gov/web/grants/search-grants.html?keywords=college>

DOT – FAA Aviation Research Grants, Department of Transportation

DEADLINE: September 7, 2027

FAA Aviation Research Grants Program

<https://www.grants.gov/web/grants/view-opportunity.html?oppId=328902>

SCHOLARSHIPS

DeVore Freedom of Flight Scholarship

Scholarship Sponsor

University Aviation Association (UAA)

Contact

8092 Memphis Ave., Ste. 132, Millington, TN 38053

www.uaa.aero

Usual Deadline

June

Amount(s) Awarded

One (1) Scholarship Awarded, valued at \$1,000

Scholarship Criteria

Open to students entering as an undergraduate students in a collegiate aviation program; a Freshman, Sophomore, Junior, Senior, or graduate program. Must be admitted, and must be enrolled at the time the award is dispersed, to a University Aviation Association member institution with a Part 141 approved program. Community college and university applicants are encouraged to apply. Applicants must be admitted to, and undertaking, an aviation-related major. A minimum of 3.0 overall GPA on a 4.0 GPA scale. Submit an essay, 250–750 words, demonstrating a love of aviation and a commitment to flight training. Extracurricular involvement/community involvement may be considered. A recommendation letter from a faculty member from a UAA member institution supporting the candidate's application for this scholarship. Students entering a collegiate Part 141 program as a Freshman may use recommendation letters from other sources.

Eugene S. Kropf Scholarship

Scholarship Sponsor

University Aviation Association (UAA)

Contact

8092 Memphis Ave., Ste. 132, Millington, TN 38053

www.uaa.aero

Usual Deadline

June

Amount(s) Awarded

One (1) Scholarships Awarded, valued at \$500

Scholarship Criteria

Applicant must be a U.S. citizen. Applicant must be enrolled in and plan to continue a college curriculum leading to a two-year, four-year, or post-graduate degree in the field of aviation. Proof of enrollment must be provided prior to distribution of award. At the time of application, the applicant must be officially enrolled in a UAA member institution in an aviation-related program. Member must have completed 30 or more credit hours (or the equivalent for Sophomore status) at the UAA institution and must include the institution's UAA number with the application. No exceptions to this criterion. Credits must have been completed and on your transcript at the time of application. Applicant must have a cumulative undergraduate grade point average of 3.0 or higher on a 4.0 scale. The completed application must be accompanied by a 250-word typed, double-spaced paper on "How Can I Improve Aviation Education." Please be direct and focused on the topic.

Joseph Frasca Excellence in Aviation Scholarship

Scholarship Sponsor

Frasca International, Inc. & University Aviation Association (UAA)

Contact

8092 Memphis Ave., Ste. 132, Millington, TN 38053

www.uaa.aero

Usual Deadline

June

Amount(s) Awarded

One (1) Scholarships Awarded, valued at \$2,000

Scholarship Criteria

Evidence of excellence in activities, studies, events, organizations, etc., related to aviation. Minimum of a 3.0 overall grade point average. FAA certification/qualifications in either aviation maintenance or flight. Involvement in aviation activities, projects, events, etc.; which will demonstrate an interest and an enthusiasm for aviation. Must be a junior or senior, and currently enrolled in a University Aviation Association (UAA) member institution. Completed application form, essay, and letter of reference, required.



SCHOLARSHIPS

Paul A. Whelan Aviation Scholarship

Scholarship Sponsor

University Aviation Association (UAA)

Contact

8092 Memphis Ave., Ste. 132, Millington, TN 38053

www.uaa.aero

Usual Deadline

June

Amount(s) Awarded

One (1) Scholarships Awarded, valued at \$2,000

Scholarship Criteria

The student must be a U. S. Citizen and sophomore, junior, senior or graduate student. Must be enrolled at a University Aviation Association member institution in an aviation or space-related major. Community college and university applicants encouraged. Overall 3.0 GPA.

Piedmont Airlines Scholarship for Flight Training

Scholarship Sponsor

Piedmont Airlines & University Aviation Association (UAA)

Contact

8092 Memphis Ave., Ste. 132, Millington, TN 38053

www.uaa.aero

Usual Deadline

June

Amount(s) Awarded

One (1) Scholarships Awarded, valued at \$3,000

Scholarship Criteria

Applicants must be a U.S. Resident, at least 18 years of age at the date of application, enrolled in a University Aviation Association member institution at the time of application, hold a current FAA private pilot certificate, and must be pursuing an instrument, multi-engine, or commercial pilot rating. Must be supported by an official recommendation letter from faculty. **Preference given to Piedmont Cadet program members.**

Regional Airline Association Scholarship

Scholarship Sponsor

Regional Airline Association (RAA)

Contact

1201 15th St. NW, Ste. 430, Washington, DC 20005

www.raa.org or cravez@raa.org

Usual Deadline

June

Amount(s) Awarded

Three (3) Scholarships Awarded annually, valued at \$4,000 each

Scholarship Criteria

The following criteria are used for the ranking of applicants for the RAA Scholarship: Demonstrated scholastic achievement; Demonstrated work experience, including extracurricular or community activities; Strength of faculty recommendation; and Strength of applicant's career essay (350 words or less).

Sheltair and Avfuel: Continuing Education Scholarships

Scholarship Sponsor

Sheltair and Avfuel

Contact

47 W. Ellsworth, Ann Arbor, MI 48108

www.avfuel.com

Usual Deadline

June

Amount(s) Awarded

Six (6) Scholarships Awarded, valued at \$5,000 each

Scholarship Criteria

Applicants must demonstrate an interest in aviation education, particularly for coursework or flight lessons for students pursuing their private pilot certificate, adding a type rating, adding to their certificate with an ATP, completing a bachelor's degree, working toward a CAM certification, or completing upset recovery training.



SCHOLARSHIPS

Sheltair and Avfuel: Learning to Fly or Advanced Pilot Ratings

Scholarship Sponsor

Sheltair and Avfuel

Contact

47 W. Ellsworth, Ann Arbor, MI 48108

www.avfuel.com

Usual Deadline

June

Amount(s) Awarded

Six (6) Scholarships Awarded, valued at \$5,000 each

Scholarship Criteria

Applicants must demonstrate an interest in aviation education, particularly for coursework or flight lessons for students pursuing their private pilot certificate, adding a type rating, adding to their certificate with an ATP, completing a Bachelor's Degree, working toward a CAM certification, or completing upset recovery training.

Colorado Agricultural Aviation Association Scholarship

Scholarship Sponsor

Colorado Agricultural Aviation Association

Contact

3379 Mill Vista Rd., Unit 4303, Platteville, CO 80651

www.coagav.org

Usual Deadline

June

Amount(s) Awarded

One (1) Scholarships Awarded, valued at \$1,000

Scholarship Criteria

The Colorado Agricultural Aviation Association Scholarship is awarded annually. Any persons submitting a resume application to the Colorado Agricultural Aviation Association will be eligible for this award. Candidates should demonstrate a genuine interest in agricultural areas such as agronomy, research, or ag- law that promotes or supports the Agricultural Aviation Industry. Non-traditional students are also encouraged to apply. Although not required, letters of recommendation will be accepted along with the resume application.

Dottie Sanders Memorial Flight Scholarship

Scholarship Sponsor

Ninety-Nines, San Diego Chapter

Contact

8690 Aero Dr., #115-36, San Diego, CA 92123

www.sd99s.org

Usual Deadline

June

Amount(s) Awarded

One (1) \$1,000 award to help fund flight training

Scholarship Criteria

Applicant must be female; Reside in San Diego, Riverside, Orange, or Imperial counties OR be a member of any chapter of the Southwest Section of the Ninety-Nines; PPL applicants must have passed the written section and soloed; If for an advanced rating/certificate, applicant must have Private certificate. Funds may be used to help fund Private Pilot training or if a certified pilot applicant, may be used to fund training for the Instrument, Commercial, Multi-Engine, or any Flight Instructor certificates. There is a 90 day limit to apply funds towards training.

Navigate Your Future Scholarship

Scholarship Sponsor

National Air Transportation Association (NATA)

Contact

818 Connecticut Ave. NW., Ste. 900, Washington, DC 20006

www.nata.aero

Usual Deadline

June

Amount(s) Awarded

One (1) Scholarships Awarded, valued at \$2,500

Scholarship Criteria

Applicants of the Navigate Your Future Scholarship must: Be a senior in high school, planning a career in the general aviation field; Be enrolled or accepted into an aviation-related program at an accredited college or university; Submit the letter of acceptance from the college or university; Be able to demonstrate an interest in pursuing a career in general aviation.



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CAREER OPPORTUNITIES

Charleston Southern University

Chair, Department of Aeronautics
FACULTY Full-Time
Charleston, SC, US

Charleston Southern University invites applications for the Chair of the Department of Aeronautics. Charleston Southern seeks candidates who are professing Christians, committed to excellence in teaching, scholarship, and service. They should support the goals of a strong liberal arts education and be willing to explore with students the integration of faith and learning.

Qualifications: Minimum Requirements: Master's degree in aviation, aeronautics or a course of study relevant to duties OR an advanced academic degree (e.g. Ph.D., Ed.D., J.D.) with a strong aviation background; Federal Aviation Administration (FAA) CFI/II or AGI/IGI Certification; 300 hours or more of military or FAA CFI/II and/or MEI instructional time; and experience leading or managing a flight operation, either FAR Part 141-Certified Pilot or in the military.

Preferred Qualifications: Ph.D. in aviation, aeronautics, or a course of study relevant to duties; 5 years of experience teaching college classes as an adjunct, assistant, associate or professor; 1-year experience teaching FAA ground school courses in an FAA-Certified Part 141 Pilot School; experience representing a department or college within a collegiate faculty, administration or academic leadership system; experience developing strategy, building iterative development plans, program management and/or equivalent experience within the field of aviation; experience working with the FAA nationally and within South Carolina; experience working with or familiarity with the University Aviation Association, Aviation Accreditation Board International, and other national aviation and education related entities; familiarity with state, regional and national accreditation requirements, particularly with respect to collegiate aviation programs; ability to maintain professional and harmonious relationships with diverse populations; familiarity with foreign certification activities; and/or at least 2,000 Total Flight Hours in Pilot in Command, Command Military Pilot Rating, or FAA Airline Transport Pilot (ATP) certification.

Responsibilities: Work closely with the Dean of the College of Science and Mathematics to develop the annual budget, curriculum, and personnel requirements. Work closely with the Chief Instructor, flight training manager and the Dean of the College of Science and Mathematics to develop the annual strategic plan for flight operations. Oversee director of flight operations and overall execution of strategic plan. Oversee development, approval and execution of the flight operations budget and personnel. Oversee compliance with all applicable regulatory guidelines and university policy. Provide recommendations and implementations to the Dean College of Science and Mathematics for the enhancement of the flight operations facilities, equipment, employee training and laboratory safety practices. Oversee compliance with rules, regulations, and procedures relevant to FAR Part 141 certification.

Application Process: Candidates should complete the online application and attach a cover letter and curriculum vitae. Entering untrue or inaccurate information will result in disqualification for consideration of vacant positions or subsequent termination after hire. By completing this application, you are giving Charleston Southern University the authority to contact any person, educational institution, current or former employer, or company to disclose in good faith any information they may have regarding your qualifications and fitness for employment including, but not limited to, those you have listed in your application materials. Review of credentials will begin immediately. Minority candidates are encouraged to apply. Prior to a final offer of employment, the selected candidate will be required to submit to a background check including, but not limited to, employment verification, educational and other credential verification, criminal background check and reference check. Applicants who will drive for the University will be required to complete a background check on their driving record.

Located near historic Charleston, South Carolina, Charleston Southern University is a comprehensive institution offering a liberal arts curriculum to over 3,500 students and offers 60 majors and graduate programs in Education, Business, Criminal Justice, Organizational Management, Nursing, Christian Studies and Computer Science. The mission of the University is "promoting academic excellence in a Christian environment," and the vision is to be a Christian University nationally recognized for integrating faith in learning, leading and serving. Charleston Southern has nationally accredited programs in nursing, business, education, music and athletics. Charleston Southern is affiliated with the South Carolina Baptist Convention. For more information about the University, please visit www.charlestonsouthern.edu.

Charleston Southern University is a Christian university and tobacco-free campus. We do not illegally discriminate on the basis of race, age, color, national or ethnic origin, disability, sex, pregnancy, childbirth or related medical conditions (including but not limited to lactation), religion, genetic information, veteran or military status, or any other basis on which the university is prohibited from discrimination under local, state or federal law, in its employment or in the provision of its services, including but not limited to its programs and activities, admissions, educational policies, scholarship and loan programs, and athletic and university-administered programs. In order to fulfill its purpose, the university may legally discriminate on the basis of religion in employment. The university has been granted exemption from certain regulations promulgated under Title IX of the Education Amendments of 1972 which conflict with the University's religious tenets and core values.

CAREER OPPORTUNITIES

Middle Tennessee State University, Department of Aerospace

Director - Aerospace Airport Operations

Job Summary:

Serve as a direct report to the Department of Aerospace Chair with overall management and leadership responsibility of the MTSU Airport Operations. This includes oversight of a Part 141 flight school operation and maintenance, facilities and aircraft maintenance, flight dispatch functions, and the flight operations budget. Supervising, coordinating, and supporting all activities between areas and personnel involved with MTSU airport operations. Provide direct supervision to the Flight Training Managers, Aircraft Maintenance Manager, Coordinators of Flight Dispatch, Airport Facilities Manager, Student Engagement Team, and other airport administrative staff to ensure safe and efficient operations. Coordinate Flight School operations with the academic mission of the Aerospace Department through the development and implementation of operations policies, procedures, and benchmarks. Serve on the Safety Committee and support the Director of Aerospace Safety to ensure compliance with the safety program policies and procedures. Assist with strategic planning in the development of projects and alignment of budget with priorities. Work in conjunction with Aerospace faculty for effective development of department initiatives involving airport operations. Liaise with other constituencies as required, including students, parents, government agencies, airport authorities, and other organizations associated with MTSU Department of Aerospace airport operations.

Application Review Date: May 12, 2022

For additional details and to apply for the position, please visit: <https://careers.mtsu.edu/en-us/job/496871/director-aerospace-airport-operations>

Middle Tennessee State University, Department of Aerospace

Director - Aerospace Safety

Job Summary:

The Director of Aerospace Safety is an advocate for aerospace safety, and provides management and leadership of all safety programs within the MTSU Department of Aerospace. The Director of Aerospace Safety is responsible for the continuous development and implementation of the Aerospace Department Safety Management System (SMS) and Safety Management Program (SMP). This position reports to the Dean and works jointly with the Chair of the Department of Aerospace. Additionally, the Director of Aerospace Safety works cooperatively with other MTSU Safety Programs, the FAA, airport authorities, MTSU Airport Operations and Flight School staff, and the Aerospace faculty.

Application Review Date: May 12, 2022

For additional details and to apply for the position, please visit: <https://careers.mtsu.edu/en-us/job/496872/director-aerospace-safety>

UPS

Aircraft Engineer - Avionics

Job Category: Engineering

Operation: Aircraft Engineering

Job Group: FT Supervisor

Job Grade: 20H

Job Code: 4202

Relocation Assist Available: No

Location: LOUISVILLE, KY 40223 - AIR GROUP BUILDING

Basic Qualifications

Must be a U.S. Citizen or National of the U.S., an alien lawfully admitted for permanent residence, or an alien authorized to work in the U.S. for this employer

Other Criteria

Employer will not sponsor visas for position.

Internal Candidates: Please make sure you are prepared to attach all required forms before applying: resume, QPR (Management only)/Appraisal (All other), and Career Development Form (Management only)/ Attendance Record (All other). These forms must be attached before submitting the application for your manager's approval. Applications must be approved before 12:00 midnight on the close date.

UPS is an equal opportunity employer. UPS does not discriminate on the basis of race/color/religion/sex/national origin/veteran/disability/age/sexual orientation/gender identity or any other characteristic protected by law.

University of Dubuque

The Aviation Department at the University of Dubuque is seeking an Assistant Chief Flight Instructor – Fixed-Wing. The University of Dubuque offers an excellent benefits package including tuition remission, paid holidays, vacation and sick time, and a retirement match.

Primary Responsibilities:

- Fixed-wing flight training and related activities for the Flight Operations program
- Administer Stage Checks and Check Rides
- Assist the Chief Instructor in managing training activities, Training Course Outlines (TCO) and ensure compliance with record keeping
- Mentor and supervise Flight Instructors
- Ensure compliance with Title 14 CFR applicable to flight training, other regulatory policies and the Safety Management Systems
- Assist the Director of Safety & Operations on safety and security related responsibilities
- Perform other duties in support of the aviation department and the University's Mission

Minimum Requirements:

- Bachelor's degree in aviation or related field; Master's degree preferred
- Meet FAA recent flight experience requirements pursuant to FAR part 141.36 and 61.57
- Meet all FAR Part 141 Assistant Chief Flight instructor requirements for Private and Instrument certificates. Preference given to candidates meeting the Commercial, Multi-Engine and/or Flight Instructor certificates and ratings
- Worked for a minimum of 1 year as a Flight Instructor within a Part 141 flight school or collegiate flight training environment; or currently working as an Assistant Chief Instructor in a flight training school
- Current FAA Flight Instructor Certificate (CFII and MEI) in Fixed-Wing aircraft and a current FAA flight medical
- Effective communication skills; both orally and written
- Exceptional skills using Microsoft Office
- Valid US driver's license

The University of Dubuque is a private, Presbyterian, coeducational, professional university with a foundation in the liberal arts. Our commitment is to nurturing the mind, body, and spirit as well as encouraging students to explore their fullest potential, is part of a rich Christian identity that dates back to the University's founding in 1852. The Aviation Department manages three Aviation Programs that provide students with the academic and professional tools needed to success in all segments of the Aviation Industry.

To apply for the Assistant Chief Flight Instructor – Fixed-Wing position, please submit a cover letter, resume, three professional references, and UD employment application, located on our website (<http://www.dbq.edu/AboutUD/Employment>), to HR@dbq.edu or to the Director of Human Resources, at the University of Dubuque, 2000 University Avenue, Dubuque, IA 52001.

Applications from qualified persons with diverse backgrounds and cultures, including women and persons of color, are welcomed. AA/EEO

Southern Illinois University, Carbondale

Assistant Instructor/Assistant Lecturer, Flight Program

The Aviation Flight program at Southern Illinois University Carbondale is seeking qualified applicants for an Assistant Instructor/Assistant Lecturer (Sr. Assistant Chief Flight Instructor) position. This is a 9-month, term, non-tenure track faculty appointment. Appointment will be at the rank of Assistant Instructor for an individual holding a Bachelor's degree and at the rank of Assistant Lecturer for an individual holding a Master's degree.

Qualifications:

- Bachelor's degree.
- Commercial Pilot Certificate.
- FAA Certified Flight Instructor-Airplane and Instrument (CFII).
- Second Class Medical Certificate.
- Meet the applicable requirements of FAR 141.36 (b), (c) and (d).
- Must have 2,000 hours total flight time.
- Must have 1 year experience as a company check pilot, company check airman, or a position involving the regular evaluation of pilots.

Preferred Qualifications:

- Designated Pilot Examiner [DPE] minimums.
- Master's degree.
- University flight program experience as Assistant Chief Flight Instructor or equivalent.
- Multi-Engine Instructor

Responsibilities:

- Provide individual flight instruction to students enrolled in Aviation Flight courses, including preflight/postflight inspection and evaluation as well as maintenance of training records of assigned students. Conduct FAA stage and graduation check flights.
- Serve as Acting Chief Flight Instructor, as Supervisor of Flight Operations (Duty Officer), including night and weekend operations. Function as a "Team Leader," including the supervision and evaluation of Flight Instructors (Team Members).
- Oversee the course of training for one of five FAR Part 141 training courses.
- Serve on department committees as requested.
- Assist faculty as needed in teaching aeronautical and aircraft systems classes offered in the Aviation Flight program.
- Perform other duties as assigned by the Chief Flight Instructor and/or the chair of the Department of Aviation Management and Flight.

Application Deadline: March 31st, 2022, or until filled.

Application Procedure: Visit <https://jobs.siu.edu/> to create an account and apply.

Required Documents: To apply, upload letter of interest, current vitae/resume, and names, addresses, and phone numbers of three references; transcripts and pilot certificates.

CAREER OPPORTUNITIES

Louisiana Tech University

Head & Associate Professor, Unit Head, Department of Professional Aviation

The University is seeking a Unit Head to lead our accredited collegiate aviation team. This is a 12-month, full-time faculty position that reports directly to the Dean, College of Liberal Arts.

The Department of Professional Aviation Unit Head provides leadership and oversight of the daily academic activities and Part 141 flight training operations conducted within the academic unit. The individual will work with faculty and staff to manage the Department and flight operation budgets to ensure compliance with all applicable regulatory guidelines and University policy. This individual will be responsible for approximately 6 faculty and 20+ staff. This individual will provide guidance and support toward continued reaffirmation of accreditation by the Aviation Accreditation Board International (AABI) and direction for the enhancement of the flight operations, facilities, equipment, employee training, and laboratory safety practices. The individual will also develop relationships with the aviation industry and foster opportunities to provide professional training opportunities with external partners. The Unit Head will teach five courses during the calendar year.

REQUIRED QUALIFICATIONS:

- Master's degree
- Minimum of three (3) years in a full-time faculty role
- FAR Part 141 flight instruction experience
- Minimum of five (5) years as a flight instructor

Apply to:

https://ulsttu.wd1.myworkdayjobs.com/en-US/LATECHCareers/job/Ruston-La/Head---Associate-Profesor--Unit-Head--Department-of-Professional-Aviation_R-483

Louisiana Tech University

Department of Professional Aviation Associate/ Assistant Professor

Location: Ruston, LA

Category: Faculty - Aviation

Application Due: Review of applicants will begin immediately and will continue until the position is filled

Type: Full Time

The Department of Professional Aviation at Louisiana Tech University in Ruston, Louisiana, is seeking qualified applicants for a full-time, tenure-track, nine-month Associate/Assistant Professor within the College of Liberal Arts. The position will begin on September 1, 2022.

Qualifications: The position is required to teach undergraduate aviation classroom courses and work as a flight instructor within the Part 141 flight education program. Required: Master's degree, current CFI/CFII and current Third Class Medical Certificate. Preferred: Doctorate, Master's in aviation related field. AGI/IGI/MEI, prior experience as a 14 CFR 141 flight instructor and experience with collegiate aviation accreditation through the Aviation Accreditation Board International (AABI).

Application: To apply, send a letter of application, current vitae, transcripts, flight time summary, and five recent letters of recommendation reflecting both flight and academic qualifications to:

Louisiana Tech University is a member of the University of Louisiana System.

Louisiana Tech is an Equal Opportunity/Affirmative Action/ADA Employer and places a high priority on the creation of an environment supportive of ethnic minorities, women, veterans, and persons with disabilities.

Posting Close Date: This position will remain open until filled.

Apply at:

https://ulsttu.wd1.myworkdayjobs.com/en-US/LATECHCareers/job/Ruston-La/Department-of-Professional-Aviation--Associate--Assistant-Professor_R-508

CAREER OPPORTUNITIES

Southern Illinois University, Carbondale

Assistant Professor, Aviation Management Program

The Aviation Management program at Southern Illinois University Carbondale is seeking qualified applicants for an Assistant Professor position to contribute to the baccalaureate and master's degree programs. This is a nine-month, continuing, tenure-track appointment beginning August 16, 2022. SIU Aviation Management program is consistently ranked as one of the best in the nation. Learn more at <https://aviation.siu.edu/management/>

Required Qualifications: Master's in an aviation specific field with three (3) or more years of aviation work experience or three (3) or more years of postsecondary teaching.

OR

Master's in a non-aviation field such as management, education, communications, public administration with five (5) or more years of aviation work experience along with one of the following:

- A. three (3) or more years teaching post-secondary aviation related courses
- B. three (3) or more years teaching or training in the aviation industry
- C. Ph.D. will substitute for post-secondary aviation teaching experience.

Applicants must be qualified to teach at least three of the aviation management courses listed above (see "Responsibilities") and must have demonstrated interest in and stated plans for aviation management-related research/scholarly activities.

Preferred Qualifications: Professional aviation industry certification.

An earned doctorate in aviation, transportation, public administration, education or business.

Evidence of aviation management-related research/scholarly activities.

Evidence of aviation-related professional service and/or professional membership in such organizations as the University Aviation Association (UAA), AAAE, or the Air Traffic Control Association (ATCA).

Responsibilities: The successful candidate will teach at least three of the following Aviation Management courses: legal aspects of aviation, air traffic control, national airspace systems, fiscal aspects of aviation, aviation labor relations, airport management and planning, international aviation. The successful candidate will also conduct research in the aviation management discipline leading to national presentations, peer reviewed publications, grants, and other scholarly activities, and engage in service activities in support of the University, the profession, and the community.

Application Deadline: April 1, 2022 or until filled.

Application Procedure: Visit <https://jobs.siu.edu/> to create an account and apply.

Required Documents: To apply, upload letter of interest that identifies two courses you feel qualified to instruct; current vitae/resume, and names, addresses, and phone numbers of three references

SIU Carbondale is an Affirmative Action/Equal Opportunity Employer of individuals with disabilities and protected veterans that strives to enhance its ability to develop a diverse faculty and staff and to increase its potential to serve a diverse student population. All applications are welcomed and encouraged and will receive consideration.

CAREER OPPORTUNITIES

Middle Tennessee State University

Aerospace (Maintenance Management), Tenure-Track Faculty

MTSU seeks candidates who are committed to innovative teaching, robust research/creative activity, and meaningful service. We also seek to attract a culturally and academically diverse faculty who value working with a diverse student body.

Job Summary/Basic Function

The Department of Aerospace at Middle Tennessee State University invites applicants for a full-time, tenure-track faculty position at the rank of assistant/associate professor in Maintenance Management. The start date for the position is August 1, 2022. The position is contingent upon funding.

Required Education

A Master's degree in Aerospace, Aviation, Aerospace Engineering or a closely related field by the appointment date

Required Related Experience

A minimum of one year of aerospace/aviation industry or collegiate teaching experience is required.

Documents Needed to Apply

In order to successfully apply, applicants are required to include the following documents as separate attachments at the time of online application submittal: a cover letter, their curriculum vitae, a statement of Teaching Philosophy, and their Research Statement or Creative Activities (as appropriate to the discipline). NOTE: In addition to the REQUIRED documents listed above for successful application, applicants must include copies of all aerospace/aviation certifications held attached as Other Document 1.

Special Instruction to Applicants

If you need help in applying, please contact the Faculty Recruitment Specialist at (615) 898-5128. If you have position-specific questions, please contact Dr. Chaminda Prelis at Chaminda.Prelis@mtsu.edu.



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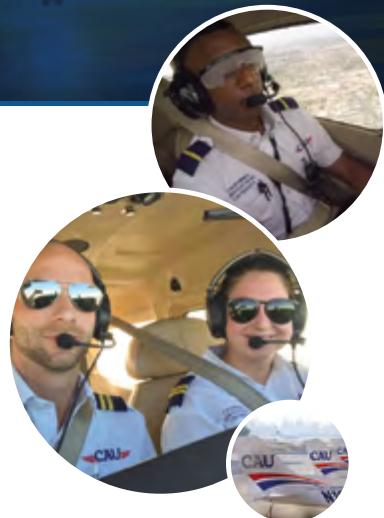
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Southern Illinois University, Carbondale

Title: NTT Faculty (Aviation Management Program) Job Category: Assistant Instructor/Assistant Lecturer School: School of Aviation-SIUC
College: College of Health and Human Sciences-SIUC

Position Summary: The School of Aviation in the College of Health and Human Sciences at Southern Illinois University Carbondale is seeking qualified applicants for one or more term, non-tenure track faculty positions within the Aviation Management program beginning August 16, 2022. A comprehensive benefit package including health insurance, retirement options and tuition waiver is provided. A full listing of benefits is available at <https://hr.siu.edu/benefits/>.

Duties and Responsibilities: To teach one or more of the following courses: Introduction to aviation Management, Air Transport Labor Relations, Airline Management, Airport Planning, Airport Management, Air Traffic Control, and Legal Aspects of Aviation. To maintain appropriate office hours and to assist students with program-related matters. To attend department meetings as required. To engage in other assignments as determined by the school director.

Minimum Qualifications: Bachelor's Degree with a minimum of three years' documented experience in the aviation industry.

Preferred Qualifications:

- Master's Degree
- Minimum two years post-secondary teaching experience and related industry experience.
- Experience in airport operations, air traffic control, and related fields.

Contact for further information: Michael Robertson - mrobertson@siu.edu

Contact phone: 618-453-9264

Application process: Apply online at <https://jobs.siu.edu/>

Deadline to Apply: 4/15/22 or until filled

General Information: In your cover letter, please list courses (from the list above) that you are qualified to teach. SIU Carbondale, member of the SIU System, is an anti-racist community that opposes racism, discrimination and inequity in any form, and embraces diversity, inclusion, equity, and justice for all people. SIU Carbondale is an Affirmative Action/Equal Opportunity Employer of individuals with disabilities and protected veterans that strives to enhance its ability to develop a diverse faculty and staff and to increase its potential to serve a diverse student population. All applications are welcomed and encouraged and will receive consideration.

National Business Aviation Association (NBAA)

Career Opportunity – Operations Manager with the National Business Aviation Association (NBAA) – Washington, DC/Telecommute flexibility

The National Business Aviation Association (NBAA), one of the most exciting associations that facilitates some of the largest international conferences, is seeking an Operations Manager to provide legislative, regulatory, technical, and flight operations information to members. Requires a HS diploma, an FAA-certificated private pilot certificate, dispatcher's license, or A&P certificate, and a minimum of two years of relevant work experience. Exposure to Business Aviation strongly preferred.

This position offers flexible hours and generous telecommute options. NBAA offers generous benefits, bonuses, and a collegial work environment in the heart of the nation's capital.

For additional information and to apply, please click here (or copy/paste link to a new window):
<https://career4.successfactors.com>

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INDUSTRY CALENDAR

JUNE 15-16, 2022**WATS**

Orlando, FL

JUNE 18-19, 2022**Millington Airshow *visit UAA College Commons**

Millington, TN

JUNE 27 - JULY 1, 2022**AIAA Aviation Forum**

Chicago, IL

JULY 6-10, 2022**Ninety-Nines International Conference**

Charleston, SC

JULY 12-15, 2022**Intl Assoc College Counselors**

Albuquerque, NM

JULY 16, 2022**Professional Asian Pilots Association**

Las Vegas, NV

JULY 25-31, 2022**EAA Air Venture**

Oshkosh, WI

AUGUST 10-12, 2022**OBAP**

Phoenix, AZ

SEPTEMBER 22-24, 2022**National Association College Admission****Counselors**

Houston, TX

OCTOBER 4-7, 2022**UAA Annual Aviation Education****Conference and Expo****OCTOBER 6-8, 2022****Alpha Eta Rho**

Colorado Springs, CO

OCTOBER 18-20, 2022**NBA Conference**

Orlando, FL

OCTOBER 24-26, 2022**National Training Aircraft Symposium**

Daytona Beach, FL

NOVEMBER 1-3, 2022**RACCA Conference**

Scottsdale, AZ

For questions contact (901) 563-0505 or address your questions to hello@uaa.aeroVisit us on the web: www.uaa.aero

University Aviation Association - 8092 Memphis Ave, Ste 132, Millington, TN 38053

This newsletter made possible through a generous donation by [Frasca Flight Simulation](http://frascaflight.com)