

just the facts



ACADEMIC FACTS

10

AVERAGE CLASS SIZE

- ▶ Student to teacher ratio: 3 to 1
- ▶ 85% of graduate faculty hold a Ph.D.
- ▶ All classes are taught by faculty; none are taught by teaching assistants

INDUSTRY PARTNERS

ERAU PRESCOTT PROUDLY COLLABORATES WITH INDUSTRY PARTNERS SUCH AS:

- ▶ Freeport-McMoRan Copper and Gold
- ▶ Discount Tire
- ▶ Prescott Municipal Airport
- ▶ Drake Cement
- ▶ Sturm, Ruger & Co., Inc.
- ▶ MI Windows and Doors
- ▶ Pure Wafer

We Pay for Your Travel to Present at Professional Meetings

We support graduate students in all endeavors of their professional development. Students receive financial assistance when they present their research projects at professional meetings. Here is a selection of events that students and/or faculty attended this year:

- ▶ Safety 2017 (American Society of Safety Engineers - ASSE)
- ▶ AIHce 2017 (American Industrial Hygiene Association Conference & Expo)
- ▶ ISASI 2017 (International Society of Air Safety Investigators annual meeting)
- ▶ SIOP 2017 (Society for Industrial & Organizational Psychology annual conference)
- ▶ 2017 Arizona Health & Safety Summit (ASSE Arizona Chapter)
- ▶ Work Stress and Health 2017 (American Psychological Association)
- ▶ Business Aviation Safety Summit 2017 (Flight Safety Foundation)
- ▶ 19th International Symposium on Aviation Psychology
- ▶ Transportation Research Board Annual Meeting



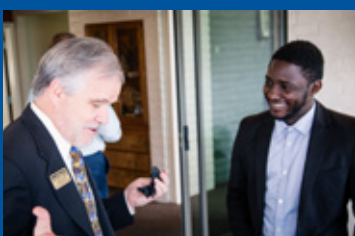
▶ M.S. in Safety Science student, **Peiwen Chen** discusses the "Effect of Language on Flight Performance."

GRADUATE DEGREE PROGRAM

- ▶ Residential & Executive Master of Science in Safety Science

DID YOU KNOW?

Over 4,000 employees were fatally injured on the job in 2015.
(Bureau of Labor Statistics Dec 16, 2016)



Human error contributes to approximately 70% of aviation accidents and there is a cost of over \$1 billion to U.S. residents as a result of airplane accidents.

The U.S. Department of Labor estimates employers pay \$1 billion per week in workers' compensation due to workplace hazards. These staggering numbers motivate employers to hire valuable, experienced safety professionals to cultivate new and effective safety models for their businesses. At Embry-Riddle, safety is no accident. We guide you to become an industry safety specialist, utilizing practical training, research, evidence, and analysis to create efficient safety systems for your future career.

Why Study Safety at Embry-Riddle Prescott?

- ▶ Get the most return on your investment! ERAU Prescott MSSS graduates have a 95% rate of finding jobs in their field within one year of graduating. Employers include Amazon, Boeing, Intel, Delta, and many more!
- ▶ The Master of Science in Safety Science curriculum is approved by the Board of Certified Safety Professionals (BCSP). Graduates receive *Graduate Safety Practitioner (GSP)* designation which includes a waiver of the *Associate Safety Professional (ASP)* examination requirement on the way to for becoming a *Certified Safety Professional (CSP)*. These credentials allow our graduates to command higher salaries.
- ▶ Our curriculum meets the standards of the Aviation Accreditation Board International (AABI), ensuring that you will achieve and maintain a level of performance, integrity, and quality consistent with professional safety principles.
- ▶ ERAU has the largest university-owned aircraft accident investigation lab in the entire United States, and has been a major destination for students traveling to the United States to study safety science from abroad.
- ▶ ERAU faculty have an open-door policy and offer exclusive faculty-led graduate seminars.



▶ **Mason Saldana**,
M.S. in Safety Science, May '17
Recipient of the
ICA/ADOSH Chairman's
Special Recognition Award
for Best Up and Coming
Safety Professional of 2017.

residential & executive master of science in safety science

Our Faculty

DR. ERIN BOWEN

Chair, Department of Behavioral and Safety Sciences
PhD in Industrial/Organizational Psychology from Saint Louis University

Dr. Bowen specializes in aviation psychology, safety culture, and statistical/research methodological assessment methods in safety. Dr. Bowen's expertise has been featured in numerous national and international news outlets, including Good Morning America and Meet the Press.



DR. MAXWELL FOGLEMAN

Graduate Academic Advisor
PhD in Industrial Engineering from Texas Tech University

Dr. Fogleman has been on the faculty since 2001. He teaches graduate courses in ergonomics, human factors, epidemiology, statistics, system safety, and occupational safety. His areas of research are ergonomics, biomechanics, and occupational epidemiology.



DR. JONATHAN GALLIMORE

PhD in Experimental Psychology from Washington State University

Dr. Gallimore's research interests include action and perception, working memory, applied psychology, experimental psychology, and research that focuses on cognitive processes. Dr. Gallimore is interested in applying psychological concepts to real world scenarios.



DR. MICHELE GAZICA

PhD in Industrial/Organizational Psychology from the University of South Florida; Juris Doctorate from University of Florida

Dr. Gazica teaches courses in forensic and industrial-organizational psychology and has additional expertise in legal analysis and test and measurement theory. Her research falls primarily within the field of occupational health psychology and focuses on the safety and performance implications of meaningful work, the work-family interface, and work stress.



DR. RUSTIN REED

PhD in Industrial Hygiene from the University of Arizona

Dr. Reed's research interests include evaluation of safety considerations in respirable crystalline silica, diesel exhaust, noise and heat exposures. He is also involved in the development of new monitoring methods for silica and heat, as well as the application of machine learning techniques and leadership training to improve safety.



WILLIAM D. WALDOCK

Master of Aeronautical Science from Embry-Riddle Aeronautical University

Professor Waldock is an internationally-recognized expert in aviation safety and safety education. He is a private pilot, a 30-year veteran aircraft accident investigator, and a prolific author and researcher in aviation safety, accidents, and survivability. He currently serves as president of the Arizona chapter of the International Society of Air Safety Investigators.



Safety and accident prevention is not to be taken for granted. It requires professionals trained in recognition, evaluation, and control of multi-layered safety hazards. Our Safety Science graduate students obtain the technical and managerial knowledge and skills necessary to practice occupational health and safety in a variety of industries: manufacturing, mining, construction, energy, oil and gas, insurance, consulting, and health care. In addition, our expertise in aviation safety is internationally recognized, and our faculty are frequently consulted by national media.



One Degree, Two Delivery Methods

The Embry-Riddle Prescott campus offers the Safety Science master's in both the campus-based and in the limited-residency "Executive" format. The applicants can choose the format that best suits their needs:

- ▶ Our residential Master of Science degree program offers a full-time, comprehensive study in safety, as well as the complete Embry-Riddle student experience.
- ▶ Our flexible Executive Master of Science program allows students to study from the comfort of their home, at their own pace. Travel to attend hands-on training experiences at the ERAU Prescott, Arizona campus is required only three weekends per semester.

The 36-credit hour program prepares students for specialized positions in a rapidly growing, highly paid, and exciting field, and our students receive job placement assistance upon graduation. Our program is both accredited by the Aviation Accreditation Board International (AABI) as well as approved by the Board of Certified Safety Professionals as a Qualified Academic Program – meaning that, upon completion, students are designated a *Graduate Safety Practitioner* and have made progress toward the national *Certified Safety Practitioner* certification.

Students can complete the program in two years, without having to relocate. Students will qualify for jobs such as general or aviation safety manager,

occupational health and safety engineer, industrial hygienist, and aircraft accident investigator. Graduates will be able to provide leadership, training, and expert consultation in safety implementation and compliance issues involving OSHA, MSHA, EPA, DOE, DOD, FAA, NTSB, state health, and workplace standards. Our graduates are prepared for service in aviation/aerospace, military, and numerous other private sector industries.

The Department of Behavioral and Safety Sciences including the faculty offices, classrooms, and labs are housed conveniently in the Robertson Aviation Safety Center at the Prescott campus, promoting daily interaction with other students and faculty.

how does it compare?

ERAU's Safety Science graduate program is unlike any other.

- ▶ Embry-Riddle puts you in position to find success after graduation. Our faculty and alumni networks help connect you to high-impact internships, valuable consulting opportunities, and lucrative careers. Safety Science graduates have been employed by companies such as Boeing, Amazon, Freeport-McMoRan, Discount Tire, Delta Airlines, John Deere, and many more.
- ▶ Our professional and experienced faculty brings the academic principles of safety to life with inspired workshops and one-on-one guidance. Explore every facet of safety, from concept to implementation, in preparation for your future in safety science.
- ▶ Embry-Riddle delivers to its students a hands-on, practitioner oriented program that provides you with practical experience within relevant industry environments upon graduating.
- ▶ Students become versed in data analysis to ensure they are equipped with the tools necessary to recognize and resolve potential safety hazards before they occur.
- ▶ We have specifically tailored our limited-residency graduate program to fit your schedule, allowing you to earn your advanced degree without putting your life, career, or responsibilities on hold.
- ▶ Our students are active participants in chapters of the American Society of Safety Engineers (ASSE), and the International Society of Air Safety Investigators (ISASI), which affords them access to professional conferences and networking opportunities.
- ▶ Safety Science graduate students enjoy the on-campus *Robertson Aircraft Accident Investigation Laboratory*, the only scenario-based accident investigation facility in the nation, allowing for unique field-analysis that puts safety investigation in your hands.
- ▶ Prescott is ideally located near major industry partners, including Freeport-McMoRan copper mines, Prescott Municipal Airport, Drake Cement Plant, Ruger Firearms Manufacturer, and many others. Curriculum is taken out of the classroom and into the workplace as students are given insight into the real-world conditions of these facilities.
- ▶ 325 days of beautiful sunshine maximizes opportunities to conduct frequent outdoor accident investigation training, in addition to industrial hygiene exercises.
- ▶ Here at Embry-Riddle, innovation is the expectation. Safety Science students will have the opportunity to cultivate their own comprehensive capstone project, allowing the student to make groundbreaking advances in safety science within their own unique area of expertise. Capstone projects can be performed in partnership with your employer and help to revolutionize the industry approach to real-world problems.



[VIEW DEGREE REQUIREMENTS](#)



LABS

INDUSTRIAL HYGIENE LABORATORY

Students will have the ability to gain first-hand experience using state-of-the-art equipment to evaluate a variety of hazardous environmental agents and factors.

ERGONOMICS LABORATORY

The various types of tests and equipment found in the Ergonomics Laboratory are devoted to helping students understand and evaluate the functional parameters of the human body in the workplace. The lab houses the Vicon Motion Capture and Measurement System.

ROBERTSON AIRCRAFT ACCIDENT INVESTIGATION LABORATORY

The Robertson Aircraft Accident Investigation Laboratory is the most complete facility of its kind in the country — and the only scenario-based accident investigation facility available for use by students at any university.

Professional Association Student Chapters

American Society of Safety Engineers (ASSE)

- ▶ Provides over \$8,000 in value of OSHA/MSHA/DOT/EPA complimentary certified training
- ▶ Networking opportunities with other safety professionals
- ▶ Grants/Scholarships
- ▶ Technical Safety Workshops
- ▶ National membership provides over \$8,000 in value of OSHA/MSHA/DOT/EPA complimentary certified training



International Society of Air Safety Investigators (ISASI)

- ▶ The members of this ERAU student chapter gather and discuss information to further the field of aircraft accident investigation and aviation safety.



What Our Alumni/Current Students Have to Say

“*What I appreciate most is the accessibility of my instructors. It supports my drive to learn more.... Completing this master's program has helped me realize my inner potential as an academic professional. I am excelling in all of my studies and am achieving recognition by various professional organizations for the hard work and dedication that I invested in each of my classes and extra-curricular activities.*

— MASON SALDANA '17

Coming to ERAU to complete my degree was one of the best choices I have made. I decided to maintain a job while completing my degree which allowed me the opportunity to work at the airport for the City of Prescott. Due to my experience in aviation, and especially my education in the Safety Sciences program, I am now the Airport Operations & Maintenance Supervisor for Prescott Municipal Airport.

— KURT DALTON, '17



Residential & Executive Master of Science in Safety Science

Arizona Campus

next steps

CONTACT US

Schedule your visit and learn more about Embry-Riddle.

Call: 800.888.3728
Email: prescottgradinfo@erau.edu
Website: www.prescott.erau.edu

COME VISIT

A campus visit lasts about two hours and includes:

- ▶ Walking tour of campus
 - Monday through Friday, 9 am and 1 pm
 - Summer tours: Monday through Thursday, 9 am and 1 pm
 - Select Saturdays at 10 am
- ▶ Meeting with an admissions counselor
- ▶ You can also request a meeting with a professor, a financial aid counselor, or to sit in on a class.

HOW TO APPLY

Submit the following:

- ▶ Application (apply online at www.prescott.erau.edu)
- ▶ Official college/university transcripts from all institutions attended
- ▶ \$50 non-refundable application fee
- ▶ Three letters of recommendation
- ▶ Statement of Goals Essay
- ▶ Résumé
- ▶ Optional: GRE scores
- ▶ We evaluate applications on a rolling basis. Once all documents have been received, we will notify you of your admissions status.



INTERNATIONAL STUDENTS

The admissions process is the same as outlined to the left, except for these additional requirements:

- ▶ If English is not your primary language, you must take the Test of English as a Foreign Language (TOEFL) and score a 79 or higher on the Internet-based exam, or at least a 6 on the International English Language Testing System (IELTS) exam. Students not meeting the TOEFL or IELTS minimum scores can fulfill this requirement by studying English at the *Embry-Riddle Language Institute (ERLI)* at the Prescott Campus. It is also possible to complete Level 112 at an ELS Language Center.
- ▶ Proof of funding is required for the first year of study.

FINANCIAL AID

To apply for need-based financial aid:

- ▶ Fill out the Free Application for Federal Student Aid (FAFSA) at www.fafsa.ed.gov. It is available January 1 of the year you intend to start your master's degree. Priority filing date is March 2.

- ▶ Include Embry-Riddle's federal school code on the FAFSA: 001479.
- ▶ Notification of your complete financial aid package will arrive 3-6 weeks after FAFSA submittal. Federal and state financial aid programs are available to U.S. citizens or permanent residents who qualify.

SCHOLARSHIPS

- ▶ Are based on student abilities both inside and outside the classroom.
- ▶ Do not have to be repaid.
- ▶ Are sometimes need-based and require a FAFSA be submitted (see Financial Aid).
- ▶ Priority due dates to be considered for a scholarship:
Fall Admission (March 15)
Spring Admission (October 15)