

Master of Science in Occupational Safety Management (MSOSM)
Embry-Riddle Aeronautical University (ERAU)
Daytona Beach, Florida

We are about to launch our new Master of Science in Occupational Safety Management on ERAU's Daytona Beach, Florida Campus. Students will be prepared to work in a variety of industries; however, much of their lab work will expose them to issues and challenges in the aviation/aerospace industry.

Salary.com reports the median annual salary for a Health and Safety Manager is \$98,000. In the United States, an individual with an MS degree and the job title of *Health and Safety Manager* with 0-2 years of experience has a projected salary of \$91,365-103,393. Students with an MS in Safety and Health have so many other advantages. To name a few:

1. Students will be educated in safety principles and best practices that apply across various industries around the globe, but special emphasis will be given to problems and cases related to air transportation and manufacturing. This will be the only MS program in the United States with an aviation emphasis.
2. Once students begin the program, if they need to relocate temporarily or permanently, they will have the ability to continue to take courses online through our Worldwide Campus. Since the programs have the same requirements, all courses are easily transferable. This works well for students on extended internships or who accept professional positions before graduation.
3. This new program provides the safety component to the Sunshine Education and Resource Center (ERC) managed by Dr. Tom Bernard at the University of Florida. Our relationship allows students to broaden their professional network and interact with others at various universities and in related professions.

Since the online program has already been accepted as a Qualified Academic Program (QAP) by the Board of Certified Safety Professionals (BCSP), the Board has agreed the classroom-format Daytona Beach program also meets the standards of the BCSP as a QAP. Graduates from the Daytona Beach campus will immediately benefit by being eligible for the Graduate Safety Professional (GSP) designation.

Current labs permit students to engage in on-campus activities related to:

- Accident investigation, especially as it relates to aviation accidents. A complete lab has been established and is operated on the edge of ERAU campus property. Since many of our graduates are expected to work in the aviation industry, this experience will be especially helpful. They examine real aircraft that have been involved in accidents. They also get to examine airplane parts that have contributed to accidents in the past. These dramatic experiences provide them with points of perspectives useful in all investigations.
- Hearing testing and protection
- PPE
- Hazmat response
- Air quality testing and maintenance
- Audiometric testing

- Ergonomic assessments
- Ventilation assessments

Full-time students are expected to be able to complete the 36 semester-hour program in 18-24 months. Courses offered will include the following:

- Occupational Health and Safety Foundations
- Industrial Hygiene & Toxicology
- Safety, Health and Environmental Legislation, Litigation & Compliance
- Disaster Preparedness and Emergency Response
- Fire Safety Management
- Environmental Protection for the Safety, Health and Environmental Manager
- Hazard Control Methods in Occupational Safety and Health
- Occupational Safety and Health Management
- Human Factors and Ergonomics
- System Safety Programs
- Statistical Analysis

Students will also complete a graduate capstone course or a thesis. Internships will be available.

If you would like more information about the new MSOSM, please contact:

Dr. Mark A. Friend, CSP

Professor, School of Graduate Studies
Embry-Riddle Aeronautical University
College of Aviation | Room 118
600 S. Clyde Morris Blvd.
Daytona Beach, FL 32114

Ph: 386.226.7747

Fax: 386.226.7279

