

College of Arts & Sciences

Dr. Alexander Siedschlag, Dean

The Embry-Riddle Worldwide College of Arts & Sciences develops and supports career-ready graduates and advances all students to be lifelong learners and leaders in their professional disciplines.

Through the general education program (<https://catalog.erau.edu/general-education/>), the college emphasizes academic rigor in critical thinking, global perspectives, creative problem solving, communication skills, scientific and cultural literacy, as well as ethical interaction with the contemporary world. In its academic degree programs, the college focuses on applied studies that implement state of the art curriculum to educate students for long-term success in their profession. All the college's degree programs are STEM-designated and globally offered online, across the country and around the world. Select courses are also offered face-to-face on certain U.S. and international sites.

The college conducts basic, applied, and translational research and engages in creative work; it provides mentored research opportunities for undergraduate and graduate students. In doing so, it fosters unique and innovative disciplinary, multidisciplinary, and interdisciplinary research, approaches, and applications to STEM, social and behavioral sciences, humanities, and comprehensive civil security studies that have societal impact.

Our vision is to be a destination college for multidisciplinary studies and impactful collaborative research as well as continue to be a national leader in general education, developing opportunities for our diverse student population to fulfill their educational goals and become responsive, responsible global citizens.

For Faculty lists and other information, view the College of Arts & Sciences (<https://worldwide.erau.edu/colleges/arts-sciences>) website.

Associate's Degree

- A.S. in Emergency Management (<https://catalog.erau.edu/programs/undergraduate/associates/emergency-management/#worldwideonlinetext>)

Bachelor's Degrees

- B.S. in Communication (<https://catalog.erau.edu/programs/undergraduate/bachelors/communications/#worldwideonlinetext>)
- B.S. in Data Science (<https://catalog.erau.edu/programs/undergraduate/bachelors/data-science/#worldwideonlinetext>)
- B.S. in Emergency Services (<https://catalog.erau.edu/programs/undergraduate/bachelors/emergency-svcs/#worldwideonlinetext>)
- B.S. in Homeland Security (<https://catalog.erau.edu/programs/undergraduate/bachelors/homeland-security/#worldwideonlinetext>)
- B.S. in Human Factors Psychology (<https://catalog.erau.edu/programs/undergraduate/bachelors/human-factors-psychology/#worldwideonlinetext>)
- B.S. in Interdisciplinary Studies (<https://catalog.erau.edu/programs/undergraduate/bachelors/interdisciplinary-studies/#worldwideonlinetext>)
- B.S. in Safety Management (<https://catalog.erau.edu/programs/undergraduate/bachelors/safety-management/#worldwideonlinetext>)

Minor Courses of Study

- Applied Data Science (<https://catalog.erau.edu/programs/undergraduate/minors/applied-data-science/#worldwideonlinetext>)
- Applied Mathematics (<https://catalog.erau.edu/programs/undergraduate/minors/applied-mathematics/#worldwideonlinetext>)

- Artificial Intelligence, Ethics, and Creativity (<https://catalog.erau.edu/programs/undergraduate/minors/artificial-intelligence-ethics-creativity/#worldwideonlinetext>)
- Aviation, Technology, and Society (<https://catalog.erau.edu/programs/undergraduate/minors/aviation-technology-society/#worldwideonlinetext>)
- Communication (<https://catalog.erau.edu/programs/undergraduate/minors/communication/#worldwideonlinetext>)
- Criminal Justice (<https://catalog.erau.edu/programs/undergraduate/minors/criminal-justice/#worldwideonlinetext>)
- Crisis, Risk, and Resilience Communication (<https://catalog.erau.edu/programs/undergraduate/minors/crisis-risk-resilience-communication/#worldwideonlinetext>)
- Economics (<https://catalog.erau.edu/programs/undergraduate/minors/economics/#worldwideonlinetext>)
- Emergency Services (<https://catalog.erau.edu/programs/undergraduate/minors/emergency-services/#worldwideonlinetext>)
- Environmental Science (<https://catalog.erau.edu/programs/undergraduate/minors/environmental-sci/#worldwideonlinetext>)
- Homeland Security (<https://catalog.erau.edu/programs/undergraduate/minors/homeland-security/#worldwideonlinetext>)
- Human Factors (<https://catalog.erau.edu/programs/undergraduate/minors/human-factors/#worldwideonlinetext>)
- Humanistic STEM (<https://catalog.erau.edu/programs/undergraduate/minors/humanistic-stem/#worldwideonlinetext>)
- Industrial/Organizational Psychology (<https://catalog.erau.edu/programs/undergraduate/minors/industrial-organizational-psychology/#worldwideonlinetext>)
- International Relations (<https://catalog.erau.edu/programs/undergraduate/minors/international-relations/#worldwideonlinetext>)
- Military Science (<https://catalog.erau.edu/programs/undergraduate/minors/military-science/#worldwideonlinetext>)
- Occupational Safety and Health (<https://catalog.erau.edu/programs/undergraduate/minors/occupational-safety/#worldwideonlinetext>)
- Psychology (<https://catalog.erau.edu/programs/undergraduate/minors/psychology/#worldwideonlinetext>)
- Research Foundations (<https://catalog.erau.edu/programs/undergraduate/minors/research-foundations/#worldwideonlinetext>)
- Science Literacy (<https://catalog.erau.edu/programs/undergraduate/minors/science-literacy/#worldwideonlinetext>)
- Security and Intelligence (<https://catalog.erau.edu/programs/undergraduate/minors/security-intelligence/#worldwideonlinetext>)
- Space Policy, History, and Culture (<https://catalog.erau.edu/programs/undergraduate/minors/space-policy-history-culture/#worldwideonlinetext>)

Combined Program Pathways

- B.S. in Communication/M.S. in Human Security and Resilience (https://catalog.erau.edu/programs/undergraduate/combined-program-pathways/wbscomm_wmshsr/)
- B.S. in Emergency Services/M.S. in Emergency Services (https://catalog.erau.edu/programs/undergraduate/combined-program-pathways/wbses_wmses/)
- B.S. in Homeland Security/M.S. in Human Security and Resilience (https://catalog.erau.edu/programs/undergraduate/combined-program-pathways/wbshs_wmshsr/)
- B.S. in Human Factors Psychology/M.S. in Human Factors (https://catalog.erau.edu/programs/undergraduate/combined-program-pathways/wbshfp_wmshf/)
- B.S. in Interdisciplinary Studies/M.S. in Human Security and Resilience (https://catalog.erau.edu/programs/undergraduate/combined-program-pathways/wbshs_wmshsr/)

- B.S. in Safety Management/M.S. in Occupational Safety Management (https://catalog.erau.edu/programs/undergraduate/combined-program-pathways/wbssm_wmsosm/)

Master's Degrees

- M.S. in Emergency Services (<https://catalog.erau.edu/programs/graduate/masters/emergency-services/#worldwideonlinetext>)
- M.S. in Human Factors (<https://catalog.erau.edu/programs/graduate/masters/human-factors/#worldwideonlinetext>)
- M.S. in Human Security and Resilience (<https://catalog.erau.edu/programs/graduate/masters/human-security-resilience/#worldwideonlinetext>)
- M.S. in Occupational Safety Management (<https://catalog.erau.edu/programs/graduate/masters/occupational-safety-management/#worldwideonlinetext>)
- M.S. in Security and Intelligence Studies (<https://catalog.erau.edu/programs/graduate/masters/security-intelligence-studies/#worldwideonlinetext>)

Certificates

Undergraduate Certificates

- Airport Baggage Handling Systems Implementation (<https://catalog.erau.edu/programs/undergraduate/ug-cert/airport-baggage-handling-systems-implementation/#worldwideonlinetext>)
- Artificial Intelligence, Ethics, and Creativity (<https://catalog.erau.edu/programs/undergraduate/ug-cert/ai-ethics-creativity/#worldwideonlinetext>)
- Crisis, Risk and Resilience Communication (<https://catalog.erau.edu/programs/undergraduate/ug-cert/crisis-risk-resilience-comm/#worldwideonlinetext>)
- Emergency Management Leadership (<https://catalog.erau.edu/programs/undergraduate/ug-cert/emergency-mgmt-leadership/#worldwideonlinetext>)
- Occupational Safety and Health (<https://catalog.erau.edu/programs/undergraduate/ug-cert/occupational-safety-health/>)

Graduate Certificates

- Human Factors (<https://catalog.erau.edu/programs/graduate/gr-cert/human-factors/#worldwideonlinetext>)
- Human Security and Resilience (<https://catalog.erau.edu/programs/graduate/gr-cert/human-sec-resilience/#worldwideonlinetext>)
- Occupational Safety Management (<https://catalog.erau.edu/programs/graduate/gr-cert/occ-safety-management/#worldwideonlinetext>)