

College of Arts and Sciences

Dr. Peter M. Hoffmann, Dean

The College of Arts and Sciences is home to outstanding degree programs and is the primary provider of the university's general education program. Our undergraduate majors include Aerospace Physiology, Astronomy and Astrophysics, Communication, Computational Mathematics, Engineering Physics, Global Conflict Studies, Homeland Security and Intelligence, Human Factors Psychology, Interdisciplinary Studies, and Space Physics. At the graduate level, the College offers Master of Science degrees in Data Science, Engineering Physics, and Human Factors, as well as Ph.D. programs in Engineering Physics and Human Factors. The College also offers many minors that complement work in students' majors to help them individualize their programs.

In the College of Arts and Sciences, we pride ourselves in providing high-quality educational opportunities to all ERAU students. We seek to inspire a lifelong love of learning; an appreciation of the cultural, intellectual, and historical impact of the search for truth and knowledge; and the opportunity for professional specialization. Our goal is to teach students the necessary skills to communicate clearly, to understand the logic of mathematics and the methods of scientific inquiry, and to understand their cultural heritage and that of others. We help our students foster their ability to think independently, to accept responsibility, to interact with people of different backgrounds and opinions, to assess ideas, to challenge orthodoxies, and to provide constructive and informed criticism to achieve the intellectual, ethical, and aesthetic maturity expected of educated citizens.

The College supports beyond-the-classroom experiences that enhance learning, including cooperative education, industry internships, study abroad, and meaningful engagement in undergraduate research. The College additionally participates in the university Honors Program by delivering a variety of Honors Seminars, as well as specialized courses that are embedded in the honors program. Nationally and internationally renowned faculty and their research programs provide students with hands-on opportunities for graduate and undergraduate engagement.

The College of Arts and Sciences is also home to Air Force, Army, and Naval Reserve Officers Training Corps (ROTC). These ROTC programs give students opportunities to receive military training while pursuing a baccalaureate degree. Several significant scholarships are available for students interested in these excellent programs.

Degrees

Bachelors

- B.S. in Aerospace Physiology
- B.S. in Astronomy and Astrophysics
- B.S. in Communication
- B.S. in Computational Mathematics
- B.S. in Data Science
- B.S. in Engineering Physics
- B.S. in Global Conflict Studies
- B.S. in Homeland Security and Intelligence
- B.S. in Human Factors Psychology
- B.S. in Interdisciplinary Studies
- B.S. in Space Physics

Masters

- M.S. in Data Science
- M.S. in Engineering Physics
- M.S. in Human Factors

Combined Program Pathways

- B.S. in Aerospace Engineering/M.S. in Data Science
- B.S. in Aerospace Engineering/M.S. in Human Factors
- B.S. in Aerospace Physiology/Master of Business Administration
- B.S. in Aerospace Physiology/Master of Business Administration in Aviation Management
- B.S. in Aerospace Physiology/M.S. in Aerospace Business Analytics
- B.S. in Aerospace Physiology/M.S. in Aviation Finance
- B.S. in Aerospace Physiology/M.S. in Human Factors
- B.S. in Astronomy and Astrophysics/M.S. in Data Science
- B.S. in Civil Engineering/M.S. in Human Factors
- B.S. in Communication/Master of Business Administration
- B.S. in Computational Math/Master of Business Administration
- B.S. in Computational Math/M.S. in Aviation Finance
- B.S. in Computational Math/M.S. in Data Science
- B.S. in Computer Engineering/M.S. in Human Factors
- B.S. in Computer Science/M.S. in Human Factors
- B.S. in Electrical Engineering/M.S. in Human Factors
- B.S. in Engineering Physics/M.S. in Engineering Physics
- B.S. in Engineering Physics/M.S. in Human Factors
- B.S. in Global Conflict Studies/Master of Business Administration
- B.S. in Global Conflict Studies/M.S. in Human Security and Resilience
- B.S. in Homeland Security and Intelligence/Master of Business Administration
- B.S. in Homeland Security and Intelligence/M.S. in Human Security and Resilience
- B.S. in Human Factors Psychology/Master of Business Administration
- B.S. in Human Factors Psychology/M.S. in Human Factors
- B.S. in Interdisciplinary Studies/Master of Business Administration
- B.S. in Interdisciplinary Studies/M.S. in Human Factors
- B.S. in Mechanical Engineering/M.S. in Human Factors
- B.S. in Software Engineering/M.S. in Human Factors

Ph.D.

- Ph.D. in Engineering Physics
- Ph.D. in Human Factors