

Ph.D. in Human Factors

The Ph.D. in Human Factors is housed in the Department of Human Factors and Behavioral Neurobiology of the College of Arts & Sciences. It provides highly qualified students with the opportunity to complete a rigorous program in the field, equipping them with advanced knowledge, skills and techniques in research relevant to human factors.

The department offers broad research opportunities with an emphasis on high-quality applied research, specializing in challenging human performance projects.

At Embry-Riddle, students learn from industry experts and gain access to a wide variety of labs and facilities that support research and training objectives. Resources include flight simulators that emulate technically advanced aircraft, simulation software for uncrewed aerial systems, a team performance lab, physiology and color vision labs and the Research in User eXperience Lab (RUX).

The program focuses on core educational elements of the discipline, including sensation, perception, cognition and statistics, with specializations offered in three key research areas:

- Aviation/aerospace human factors
- Medical human factors
- Technology-enhanced learning and testing

The program is open to students who have earned a bachelor's or master's degree in Human Factors, Psychology or other related fields. By completion, students are expected to have an exemplary academic record, demonstrate independent research skills and show a commitment to pursuing research positions in academia, government or industry.