

# M.S. in Human Factors

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Embry-Riddle Aeronautical University's Human Factors graduate program, offered both in person and online, equips students to apply psychological and physiological principles to the design and development of systems, products and work environments.

The graduate program is designed for post-bachelor students who want to advance their learning in human factors and experimental psychology, including statistical and quantitative procedures, user experience design and cognitive engineering.

Studying Human Factors at the **Daytona Beach Campus** provides opportunities to earn a specialized degree within a university known for aviation and aerospace excellence, while gaining hands-on experience in advanced labs using simulators, eye-tracking, biometrics and human-computer interaction technology. Students gain research opportunities, industry connections and career preparation for fields such as aviation, space, safety and technology.

Students may choose between a thesis or non-thesis option to tailor their educational experience.

The Master of Science in Human Factors program at the Daytona Beach Campus is accredited by the Human Factors and Ergonomics Society (HFES).

At the **Worldwide Campus**, the Master of Science in Human Factors is an online program tailored to working professionals who want to better understand the interrelationship between humans and technology, environment, and other system components, as they relate to human performance, limitations, and error in simple and complex systems. This multidisciplinary degree explores how humans interact with technology, designs, social systems, operational interfaces, and environmental factors in contexts that include healthcare, aerospace, transportation, military, security, virtual and augmented reality, simulation, computing, and other complex sociotechnical systems concerned with human performance, system design, comfort, and safety.

Students will also learn and apply critical thought and synthesis skills required to analyze current trends and past events and designs in which human error led to operational failures, as core elements of the curriculum. Our goal is for graduates to emerge from the MS in Human Factors program with the knowledge and ability to identify trends, analyze system requirements, develop strategies, recommend solutions, and recognize opportunities for innovation in this field.

Studying Human Factors through Embry-Riddle Aeronautical University's Worldwide Campus provides the flexibility to earn a degree fully online while continuing to work or manage other responsibilities.

The program delivers specialized education in psychology, human performance, ergonomics and system safety, taught by experienced faculty with industry backgrounds. It offers a strong option for advancing or transitioning careers without the need to relocate.

To tailor the experience to individual goals, students can choose either a thesis (33 credit hours) or a Culminating Research Experience (30 credit hours).

The Master of Science in Human Factors program at the Worldwide Campus is recognized by the Royal Aeronautical Society (RAeS).