

B.S. in Human Factors Psychology

The Bachelor of Science in Human Factors Psychology examines how tools, technology and environments can be designed to work with people. Human factors psychology is the study of how people think, perform and interact with systems, and how those systems can be improved to support human abilities and reduce errors. The program provides a foundation in human performance and system evaluation to support the design of safer and more effective environments. Coursework includes human performance characteristics and system evaluation methodologies, with a focus on technology across a wide variety of industries. Human factors is a term often used interchangeably with user experience design, human-computer interaction (HCI), workplace ergonomics and human-systems integration (HSI). The curriculum focuses on how people interact with the tools and technologies in their environments to understand and optimize human performance.

At the **Daytona Beach Campus**, the Bachelor of Science in Human Factors Psychology provides opportunities to gain research experience from a systems perspective through coursework and laboratory experiences. The program includes access to facilities such as the Aerospace Physiology Lab, Aviation Human Factors Lab, Research in User Experience (RUX) Lab and Applied Perception and Performance Lab. Students analyze the implications of human and machine characteristics on the function of complex systems. Qualified students may also participate in combined programs that allow them to begin graduate coursework toward the Master of Science in Human Factors or the Master of Business Administration while completing the bachelor's degree.

At the **Prescott Campus**, the Bachelor of Science in Human Factors Psychology examines the application of human factors principles across multiple domains through coursework such as Psychology of Gaming and Aviation Psychology. The program includes study in human behavior, ergonomics, user experience design and cognitive engineering. Students develop the skills to conduct, design and apply human factors research to the evaluation of simple and complex systems. Laboratory experiences are available in facilities including the Human Factors/Ergonomics Lab, the Simulation Science, Games and Animation Lab and the Robertson Aircraft Accident Investigation Crash Lab. Qualified students may also participate in combined programs that allow them to begin graduate coursework toward the Master of Science in Human Factors or the Master of Aviation Safety through the Worldwide & Online Campus while completing the bachelor's degree.

At the **Worldwide & Online Campus**, the Bachelor of Science in Human Factors Psychology focuses on the knowledge used to guide decisions related to the design, use, maintenance and improvement of systems that rely on human interactions. The curriculum examines the application of human factors psychology across areas including artificial intelligence, aviation, ergonomics, human-systems integration, safety, simulation and robotics. Students may gain applied experience through practicums, internships or virtual research teams. Students select two of three specializations: Organizational Behavior and Leadership, Psychological Foundations of Human Factors, or Safety. Qualified students may also participate in a combined program that allows them to begin graduate coursework toward the Master of Science in Human Factors while completing the bachelor's degree.