

M.S. in Aeronautics

The Master of Science in Aeronautics is offered through the Worldwide Campus and the ERAU Asia Institute. The program provides advanced study in aviation within a flexible, global learning environment supported by faculty and industry-related resources.

At the **Worldwide Campus**, the program is delivered in an online format that allows students to complete coursework on a flexible schedule. Instruction may include the use of virtual tools such as the Virtual Hub for the design and testing of uncrewed aircraft systems and virtual laboratories for aviation accident investigation and aerial robotics applications. Students have access to faculty, industry professionals, peers, and professional organizations. Students may select from specialization areas including Aviation and Aerospace Sustainability, Aviation Cybersecurity, Aviation Maintenance, Aviation Safety, Human Factors, Research, Small Uncrewed Aircraft Systems (sUAS) Operations, Space Operations, and Uncrewed and Autonomous Systems. The curriculum includes aviation safety, airspace management, aircraft systems, and flight operations, with emphasis on practical skills, research, and critical thinking.

At the **ERAU Asia Institute**, the full-time program requires completion of a defined set of courses, while the part-time program offered in collaboration with the Singapore Aviation Academy includes certificate options in Aviation Safety, Human Factors, and Aviation Cybersecurity. Graduates are prepared for leadership roles in the aviation sector.