

B.S. in Uncrewed Aircraft Systems

Uncrewed Aircraft Systems (UAS) is the future of aviation. U.S. and foreign governments are continually releasing new rules allowing more and more integration of commercial “drone” operations (also known as uncrewed aircraft systems or UAS) into their airspace. These commercial drones are capable of obtaining high-resolution imagery and rich data sets for a variety of applications, from real estate surveys, utility and construction site surveys, and agricultural applications to forestry and **public safety jobs**. UAS also has wide ranging benefits in air delivery logistics and public transportation. The UAS industry is growing exponentially! Tens of thousands of UAS professionals will be needed who are capable of planning and executing UAS missions and delivering the end products to a variety of customers. Focusing on commercial and civil applications, the Uncrewed Aircraft Systems degree empowers graduates to meet current and future employment demands. The UAS degree qualifies students as subject matter experts in UAS data collection, retrieval, editing, display, and delivery. Students also gain a broad understanding of business, aviation regulations, technology, meteorology, **Geographic Information System (GIS)**, and security associated with the UAS industry. All students in the UAS program become trained and licensed small UAS (sUAS) operators by ERAU UAS Flight Instructors to earn their FAA Part 107 Remote Pilot In-Command (RPIC) certificate. Students learn to fly a variety of **fixed-wing, vertical takeoff and landing (VTOL)** and **multi-rotor** UAS and learn to use a variety of useful software suites. The UAS program is working with several public sector and commercial partners to enable students to obtain the most up-to-date and hands-on experience in operations planning and executing actual UAS missions and learning from the industry.

Admission Requirements

Students entering this program should have a basic background in math and physics. Students wishing to strengthen their background in math and the basic sciences before enrolling in the prescribed courses should contact the department chair or the program coordinator for guidance. We welcome students from all nationalities to join the B.S. in Uncrewed Aircraft Systems degree.