

B.S. in Uncrewed Aircraft Systems

Embry-Riddle Aeronautical University (ERAU) offers a Bachelor of Science (B.S.) in Uncrewed Aircraft Systems (UAS) degree program that prepares students for careers in the rapidly growing field of uncrewed aerial systems. The program is designed to provide students with a comprehensive education in UAS operations and provides the foundational knowledge for careers in advanced uncrewed and autonomous operations, such as advanced air mobility. The ERAU UAS program covers a wide range of topics, including systems design, operations, applications, regulations, safety, security, maintenance, sensor systems, data collection, data analysis, and related topics. Students learn about the principles of flight, remote sensing, geographic information systems (GIS), photogrammetry, communication systems, and UAS applications in industries such as agriculture, construction, public safety, energy, and transportation.

Degree Requirements

The Bachelor of Science in Uncrewed Aircraft Systems may be attained in eight semesters. To earn the degree, successful completion of 122 credit hours is required.

General Education	37
Aeronautical Knowledge	13
Geospatial Data Acquisition and Processing	16
Operations and Leadership	18
Technical Skills Development	8
Program Support	9
Service Learning	6
Open Electives	15
Total Credits	122