

DRONE/UNMANNED AIRCRAFT SYSTEMS (UAS) TECHNOLOGY

A.S. DEGREE

Description

This degree is designed to prepare students to enter the Drone/Unmanned Aircraft Systems Technology field. Students receiving the degree will have the skills to manage and plan flight operations, collect and process imagery data for analysis, and are prepared to take the Part 107 FAA Exam. These skills will provide them with career opportunities in: aerial videography and photography, agricultural and natural resources management, public safety, news reporting, package delivery, and many other industries.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Demonstrate a basic knowledge of aircraft systems, including air-frame, power plants and flight instruments.
2. Demonstrate a basic knowledge of Drones/Unmanned Aircraft Systems, including fixed wing and rotor-wing.
3. Describe and demonstrate knowledge of image acquisition and analysis from images acquired by Drones/Unmanned Aircraft Systems.
4. Select the type of Drone/Unmanned Aircraft System for a specific mission, identify the types of payload to be carried, and complete a mission.
5. Take the FAA Part 107 Remote Pilot aeronautical knowledge test.

Program Requirements:

PROGRAM REQUIREMENTS: (18 UNITS)		Unit Hours: (18 Required)
AMT225	Introduction to Drones	3
AMT226	Drone Flight Operations and Pilot Certification	3
AMT227	Drone Aerial Photography and Videography	3
AMT228	Drone Maintenance Technician	3
AMT229	Advanced Drone Aerial Photography and Cinematography	3
AMT230	Data Acquisition, Mapping, and Surveys With Drones	3
General Education Requirements: (35 - 39 Units)		Unit Hours: (0 Required)

Total: 18

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