



Southern Illinois Criminal Justice Training Program

Mobile Team Unit 15

Training Announcement

Name of Training			Class ID#	Course ID#
Small Unmanned Aircraft Systems (Drones) in Law Enforcement			112257	67464
Date(s) of Training	Time	Hours	Location	
February 22-25, 2021	0830 – 1630 Hrs.	32	Rend Lake College Advanced Technology Center, Room 165, Ina, IL	

Course Description

This training will introduce officers to the use of Small Unmanned Aircraft Systems (sUAS), commonly called “drones”, for both evidence collection and search operations. The course will cover all aspects of sUAS operations, including preparations for the mandatory FAA Part 107 licensing. It will include information on the necessary waiver to fly in populated areas and night operation of drones. Hands-on experience with full-sized drones will give officers the confidence and ability to operate in a safe manner. Evidence collections in both photo and video format will be addressed, as well as the legal aspects of how to handle and store this information, as it differs from standard photo/video collection rules.

Finally, the *Freedom from Drone Surveillance Act, ILCS 725/167* will be discussed to provide officers and their departments with a clear understanding about operating drones within the confines of the law, including the mandate to inform the State about maintenance and flight operations. Upon completion of this course, attendees will possess the knowledge to successfully take and pass their Part 107 FAA pilot’s exam to become a licensed pilot. They will also be able to assist in creating proper departmental policies and procedures for operating drones.

Course Objectives

Upon completion of this class students will be able to:

- ✓ **Identify the following:** All state and federal laws pertaining to Small Unmanned Aircraft Systems (sUAS); different types of airspace; weather and weather-related conditions including cloud formations, types of fog, and wind conditions and how they play a role in the flight of a sUAS; loading and performance factors; airport and airfield standards, including left traffic patterns, METARS, TAFs, sectional charts, longitude and latitude; crew resource management, including types of attitudes, visual observers, Remote Pic, and the effects of drugs and alcohol; radio communication including 2.4 and 5 GHz, AWOS, ASOS, licensed frequencies, and CTAF; Emergency, Lost-Link, and Flyaway procedures; launch and recovery; and Plan B and C.
- ✓ **Perform the procedures for:** Vertical takeoff and landing, basic flight maneuvers, recording video, taking still images, autonomous flights, pre-flight and maintenance, equipment replacement, record-keeping, pre- and post-flight inspection, and logbook maintenance.
- ✓ Gain the necessary knowledge and skills to test for and earn the FAA certification for sUAS Operator.
- ✓ Understand the *Freedom from Drone Surveillance Act*.

Equipment Needs

Officers who wish to learn to fly their agency’s sUAS may bring it to class, with a minimum of two batteries, although there will be UAS’s provided by the instructor for the pilot training part of the class.

Instructor

Chris Edwards, Associate Professor at Rend Lake College, the primary instructor for this class, holds an AAS degree in Information Technology from Rend Lake College, a Bachelor’s Degree in Information Technology from Southern Illinois University Carbondale, and a Master’s Degree in Cybersecurity from Liberty University. He is a licensed as a Remote Pilot by the FAA. Chris teaches in the Information Technology Division at Rend Lake, with an emphasis on Cybersecurity and Computer Forensics. He has developed the sUAS curriculum for the college. Chris has taught a related series of courses for over three years and has added several other courses to the curriculum.

Mandates Met by This Training

- Civil Rights
- Constitutional and proper use of law enforcement authority
- Legal Updates

This class is partially funded and certified by the Illinois Law Enforcement Training and Standards Board