East Central Illinois Mobile Law Enforcement Training Team
MTU #13

Course Announcement

Small Unmanned Aircraft Systems (DRONES) in

Law Enforcement

October 2nd-5th, 2023

0830– 1630 Hrs

Lake Land College

Foundation and Alumi Center

Submit enrollment to:

Registration form at

www.mtu13.com,

ecimlett@gmail.com

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 UAS 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.

Observed Mandates Include:

Civil Rights

Constitutional Use of LE authority

Legal Updates

Equipment Needed

NONE-

Officers who wish to learn to fly their agency's UAS may bring it to class, with a minimum of two batteries There will be UAS's provided by the instructor for the pilot training part of the class. You DO NOT have to have your own UAS to attend the class.

Course Objectives-

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.

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
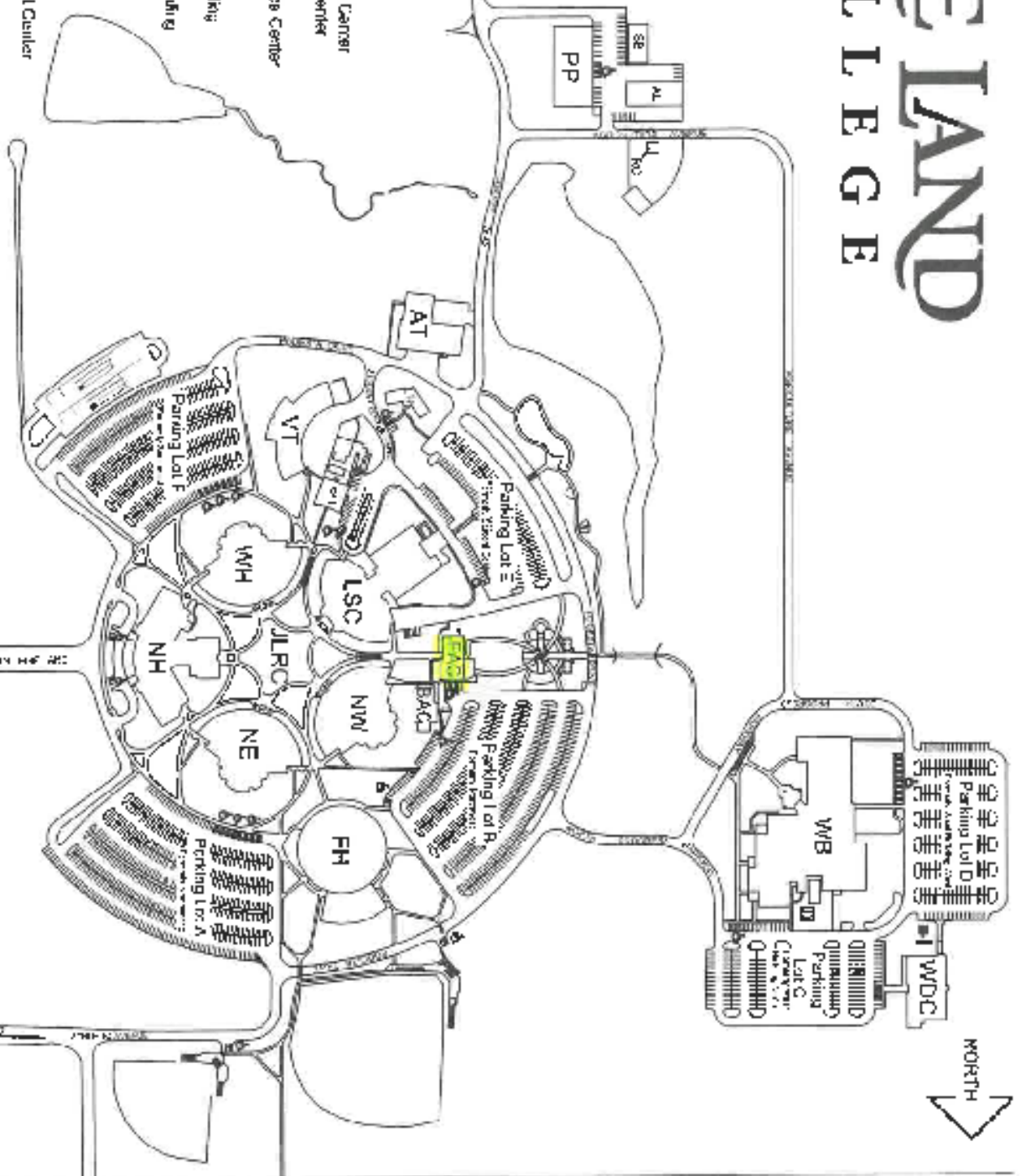

Computer Forensics. He has developed the sUAS curriculum for the college. Chris has taught a related series of courses for over three3 years and has added several other courses to the curriculum.

Psssst– You're gonna get paid to fly DRONES. Remember folks, your job is someone else's dream job.

This course is funded by the Illinois Law Enforcement Training and Standards Board.

LAKE LAND
COLLEGE

NORTH

AL - Agriculture Land Lab
AT - Ag-Tech Building
BAC - Bond and Administration Center
FAC - Foundation and Alumni Center
FH - Field House
JLRC - Juege Learning Resource Center
LH - Lenslink Hall
LSC - Luther Student Center
NE - Northeast Classroom Building
NH - Nea Hall
NW - Northwest Classroom Building
PH - Power House
PP - Physical Plant
RC - Recycling Center
SB - Storage Building 1
VT - Vo-Tech Building
WR - West Classroom Building
WDC - Workforce Development Center
WH - Webb Hall

PP

AL

FAC

AT

VT

WH

LSC

NH

JLRC

NW

NE

BAC

FAC

FH

Parking Lot F

Parking Lot E

Parking Lot B

Parking Lot A

Parking Lot R

WB

Parking Lot D

WDC

Lot C