PUBLIC SAFETY DRONE PILOT TRAINING / FAA PART 107 PREP-COURSE *(4 DAY COURSE)*

PRESENTED BY
LAKEWOOD POLICE DEPARTMENT

AUGUST 19-22, 2024

Cost:
$350

Class Size: 22

- Cost includes textbooks, supplies, and consultation.

Prior to attending, students must download the "ASA Prepware Remote Pilot" App. on their laptops or tablets (Cost $4.99)

Remote Pilot

When: **August 19-22, 2024 (Mon -Thu)**
0800-1700 (each day)

Where: Lakewood Police Department
9401 Lakewood Drive SW, Lakewood, WA 98499

Who should attend:

1) *LEO/Fire Fighters preparing to take the FAA Part 107 Remote Pilot license exam;*
2) *Public safety officers planning to start up UAS programs for their agencies; and*
3) *Current sUAS remote pilots looking for refresher training*

To register, contact
Detective Austin Lee alee@cityoflakewood.us

For questions call 253-830-5097

IMPORTANT: This is an academically demanding course and there will be daily homework. Please come to the course well rested and ready to learn.

Course Objective:

Upon completion,

#1. The students will be knowledgeable in the technical areas listed in the FAA Airmen Certification Standards (ACS) for Remote Pilot with small UAS rating.

#2. The students will be <u>well prepared</u> to pass the FAA Remote Pilot written test to obtain an FAA license for Part 107 drone operations.

#3. The students will also be knowledgeable in COA operations.

#4. The students will be able to start up an effective drone program for their agency with the resources and information provided during the course.

#5. The students will develop safe pilots and tools for use as program managers with the ability to make sound "go/no-go" decisions on all drone operations.

Course Schedule

Day 1 – "How it works and who can fly."
- Regulations
- Agency Policies
- Aerodynamics
- Weight and Balance
- Loading and Stability
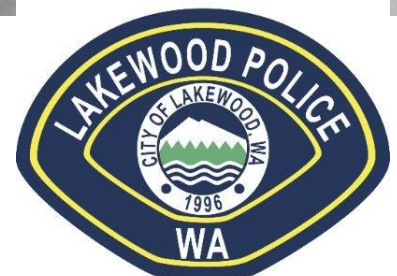
Day 2 – "Where can I fly?"
- Airspace / Special Use Airspace
- Airspace Waivers / LAANC
- Certificate of Authorization (COA)
- Night Operations
- TFR and NOTAM

Day 3 – "When can I fly?"
- Weather
- Weather Services
- Drone Performance
- FAA Test Questions

Day 4 – "Should I fly?"
- Risk Management
- Crew Resource management
- In-flight Emergencies
- Model Practical Test
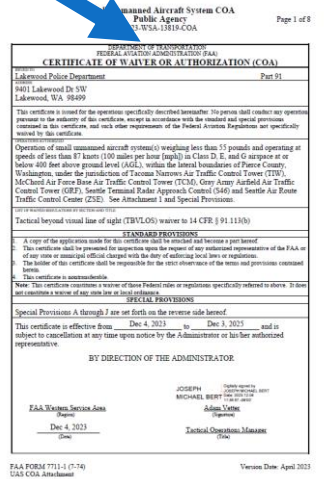- Mock 107 Tests

Frequently Asked Questions:

Q: Are there licensing requirements for flying drones as a government operator?

A: Yes, government operators are required to operate drones under Part 107 rules (14 CFR Part 107) or under a current certificate of authorization (COA) issued to the agency by the FAA. You need the FAA Remote Pilot Certificate (aka: drone pilot license) with the small UAS rating in order to operate drones under Part 107 rules. COA operations allow agencies to operate drones under specific parameters without having to obtain a Part 107 license for each operator. The agencies conducting operations under COA will conduct internal Part 107 equivalent training. Having the operators obtain a Part 107 license or putting them through Part 107 equivalent training such as this course is highly advisable from a risk and liability management standpoint.

Q: Would I get the license through this course?

A: No, this course prepares you for the FAA written exam. You have to register for the test and pass the test with 70% passing score. There is a fee associated with the test and test taking is independent of this course. It is recommended that you take the test within a week upon the completion of this course. The registration process will be discussed in the course. If your department is already operating sUAS under COA, you can consider taking this training as Part 107 equivalent training for your agency. Training certificates will be issued upon successful completion of the course and it will be signed by an FAA certified instructor for your record.

https://faa.psiexams.com

Frequently Asked Questions:

Q: Who is teaching the course and what topics will be covered from the course?

A: Please refer to page 2. The FAA suggested and regulated topics will be covered and the contents are extracted from the FAA publications. The course also provides practical information and best practice in how to run a safe and legally defendable UAS unit.

Your instructor, Detective Austin Lee, is a FAA certified "gold seal" flight Instructor (CFI, CFII) for single engine airplane and helicopter. Det. Lee is a commercially licensed pilot for airplane single engine (land and sea), airplane multi-engine land, helicopter, and small UAS (Unmanned Aircraft Systems). Det. Lee built the UAS Program and served as the program coordinator for his department.

Student Testimonials from the April 2024 Course

"The instructor was engaging and personable. Made it a fun environment to learn daunting and dry material."

What did you like MOST about the course? *"How prepared I feel to take the Part 107 test. Also, information for implementing a drone program."*

"Instructor taught class to lead a program / be a coordinator. Access to the department coordinator for this course is hugely beneficial."

"Great Instruction, Kept the instruction interesting and fun. Very knowledgeable!"