

# Agenda

Presented by Wayne Bailey

Agenda Day One:  
Tuesday, February 27, 2024 | 9:00 am - 1:45 pm CST

Overview of Laws and Regulations that Apply to Unmanned Aircraft

- Unmanned aircraft systems (UAS)
- Terms
- Requirements for pilot certification
- LAANC authorization and airport operations
- Registration of aircraft
- Small UAS loading and performance
- Load factors
- Maintenance
- Emergency reporting
- Flying from vehicles and boats
- Airspace classification and operating requirements
- Special use airspace
- Security sensitive restrictions
- Applicable UAS regulations
- Drones as a first responder
- Preflight and post-flight inspection
- Radio communication procedures
- Battery maintenance
- VFR chart symbols
- Other airspace

Agenda Day Two:  
Wednesday, February 28, 2024 | 9:00 am - 1:45 pm CST

Overview of Laws and Regulations that Apply to Unmanned Aircraft

- Required knowledge continued
- Latitude and longitude in degrees and minutes
- NOTAMS
- Fog and thunderstorm classifications
- METARS and TAFS cloud classifications
- Aeronautical decision-making and judgment
- Hazard attitudes
- Physiological effects of drugs and alcohol
- Crew resource management
- Drone ID and the different categories of drones
- Determining performance of UAS
- Operational pitfalls
- Remote ID
- TRUST
- Weather
- Factors affecting pilot performance
- Common accident factors
- Categories of drones
- Case study

Practice Tests  
Post-Certification Issues and Concerns

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## Learn about Remote Pilot Training and Certification

Online - Tues., February 27 and Wed., February 28, 2024

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## Learning Objectives

- You'll be able to:**
- Review** applicable Federal Aviation Administration (FAA) regulations for unmanned aircraft systems (UAS).
  - Discuss** requirements for pilot certification.
  - Review** regulations for small UAS loading and performance.
  - Explore** airspace classification and operating requirements.
  - Consider** pilot performance and hazard attitudes.
  - Discuss** drone ID and different categories of drones.
  - Participate** in a practice test for required knowledge.



### HalfMoon Education Live Webinars

# Learn about Remote Pilot Training and Certification

Live, Interactive Webinar

Tuesday, February 27, 2024 | 9:00 am - 1:45 pm CST

Wednesday, February 28, 2024 | 9:00 am - 1:45 pm CST



- Explore** the requirements for pilot certification
- Examine** unmanned aircraft systems (UAS)
- Analyze** applicable UAS regulations
- Discuss** a preflight and post-flight inspections
- Learn** about airspace classification and operating requirements
- Consider** fog and thunderstorm classifications
- Discuss** aeronautical decision-making and judgment
- Determine** performance of UAS
- Participate** in a practice test
- Discuss** post-certification issues and concerns

### Continuing Education Credits

- Professional Engineers\***  
8.0 PDHs
- Land Surveyors\***  
8.0 PDHs

\*Not approved for New York



# Webinar Information

**Day One: Tuesday, February 27, 2024**  
9:00 am - 1:45 pm CST (including a 45-min. break)

**Day Two: Wednesday, February 28, 2024**  
9:00 am - 1:45 pm CST (including a 45-min. break)  
*(please log into the webinar 15 - 30 minutes before start time)*

**Tuition**  
**\$319** for individual registration.  
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# Faculty



**Wayne Bailey**, has been volunteering and working in public safety since 1975. In 1995 he started employment with the North Carolina Office of State Fire Marshal (OSFM). During his time at OSFM, he served as a certification specialist and deputy director over training, certification, accreditation, and ISO Inspections for the state. In 2016, he started flying uncrewed aircraft. In 2018 he was credentialed as an FAA Part 107 Remote Pilot in Charge. Also, Mr. Bailey is internationally accredited by IFSAC and ProBoard as an NFPA 1041 Level III instructor, accredited chief training officer by the Center for Public Safety Excellence, and executive fire officer graduate from the National Fire Academy. After retiring from OSFM in 2019, he went to work for Blue Ridge Mountain Drones as their chief pilot. Mr. Bailey stays busy teaching the FAA part 107 rules to primarily public safety and high school educators. He volunteers his time as an FAA Safety Team Member (FAAST) and is a designed Drone Pro by the FAA. Since 2019, Mr. Bailey has taught over 100 FAA Part 107 classes to over 1,500 students.

# Credit Information

This webinar is open to the public and is designed to qualify for 8.0 PDHs for professional engineers and land surveyors in most states. This webinar is not approved in New York; please refer to specific state rules to determine eligibility.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider License No: CEA362), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700) and North Carolina (S-0130).

HalfMoon Education is an approved continuing education sponsor for land surveyors licensed in Indiana (License No. CE10600325), Maryland, and North Carolina (S-0130).

This webinar has been registered with the Florida Board of Professional Surveyors and Mappers for 8.0 continuing education credits. This webinar has been approved by the Missouri APELSLA Board for 8.0 PDUs for land surveyors.

Attendance will be monitored, and attendance certificates will be available after the webinar for those who attend the entire course and score a minimum 80% on the quiz that follows the course (multiple attempts allowed).

**On-Demand Credits**  
The preceding credit information only applies to the live presentation. This course in an on-demand format may not be eligible for the same credits as the live presentation; please consult your licensing board(s) to ensure that a structured, asynchronous learning format is appropriate.

# Additional Learning

- Parking Structure Design, Construction and Maintenance**  
- Friday, February 2, 2024 | 9:00 am - 4:30 pm CST
- 2021 International Residential Code: Means of Egress**  
- Tuesday, February 6, 2024 | 12:00 - 4:30 pm CST
- Significance of GIS and GPS in Engineering & Surveying**  
- Tuesday, February 6, 2024 | 2:00 - 4:00 pm CST
- Deep Dive into Horizontal and Vertical Alignment of Roadway Design**  
- Wednesday, February 7, 2024 | 1:00 - 3:00 pm CST
- Federal Land Boundaries and Access Rights**  
- Wednesday, February 7, 2024 | 9:00 am - 4:00 pm CST
- Innovative Onsite Wastewater Treatment Systems**  
- Wednesday, February 7, 2024 | 9:00 am - 5:00 pm CST
- Urban Street Design**  
- Wednesday, February 7, 2024 | 9:00 am - 4:30 pm CST
- Drone Applications for Engineers**  
- Thursday, February 15, 2024 | 9:30 am - 4:50 pm CST
- Handling Archaeological Issues on Construction Projects**  
- Thursday, February 15, 2024 | 9:00 am - 12:15 pm CST
- How to Obtain, Interpret, and Change a FEMA Flood Map**  
- Friday, February 16, 2024 | 12:00 - 3:15 pm CST
- 2021 International Residential Code: Energy Conservation**  
- Tuesday, February 20, 2024 | 12:00 - 4:30 pm CST
- Culvert Design and Construction**  
- Tuesday, February 20, 2024 | 9:00 am - 4:30 pm CST
- Topographic Surveys, Easements and Original vs. Retracement Surveys**  
- Wednesday, February 21, 2024 | 9:00 am - 4:05 pm CST
- Focus on Volatile Organic Compounds (VOCs)**  
- Monday, February 26, 2024 | 2:00 - 4:00 pm CST
- Planning for Electric Vehicles Charging Infrastructure for Level 2 and DC Fast Charge**  
- Wednesday, February 28, 2024 | 12:00 - 2:00 pm CST

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