

# UAS NIGHTTIME OPERATORS COURSE

**MAY 16-17, 2024 – FOUNTAIN VALLEY, CA**

For night UAS operations, the FAA maintains that an “applicant must assure all required persons participating in the small unmanned aircraft operation have the knowledge to recognize and overcome visual illusions caused by darkness and understand physiological conditions which may degrade night vision.”

In this course, students identify night visual illusions and the physiological degradation occurring in darkness, then develop mitigating strategies. Students use state-of-the-art equipment to perform nighttime UAS operations couched in reality-based public safety mission sets.

**Students will:**

- Receive six hours as a member of a nighttime UAS flight crew
- Log two hours of flight time.
- Use thermal imagery-equipped UAVs for nighttime operations
- Use Infrared equipped UAVs for nighttime operations
- Use white light-equipped UAVs for nighttime operations
- Demonstrate support of nighttime public safety operations
- Understand the human physiological effects during night operations
- Identify visual illusions associated with night flying
- Develop techniques to mitigate the risks of night operations
- Examine equipment requirements for operating during hours of darkness

**Course Length:** 2 Days (16 hours)

**Address:** 17595 Mount Herrmann St.  
Fountain Valley, CA 92708

**Requirements:** Strong Piloting Skills

**Tuition:** \$905

**Start Time:** 1500 hours

**Max Class Size:** 15 Students

**Contact:** [training@TheRTC.org](mailto:training@TheRTC.org)