

Advanced Aviation Human Factors: Understanding the Science behind Human Performance



May 15-16, 2025

**Pasadena Police Department
207 N. Garfield Avenue
Pasadena, CA 91101**

Tuition: \$400



Public safety aviation units have a unique opportunity to train their personnel in **ADVANCED AVIATION HUMAN FACTORS, a science-based course designed to help participants identify the physiological, perceptual, and cognitive challenges associated with human error in both routine and high-stakes, stressful airborne operations.**

Who Should Attend - The course is relevant for:

- **Pilots and crew members**
- **Instructor pilots**
- **Drone operators**
- **Managers and supervisors of aviation and drone operations**
- **Aviation maintenance personnel**

Participants will learn how to apply the principles of the Human Factors Analysis and Classification System (HFACS) to predict and identify human error potential encountered during public safety and aviation operations.

1. Predict and identify the common human factors.
2. Develop strategies for reducing error and controlling outcomes.
3. Understand the nature of human error and its predicatibility.
4. Know the positive and adverse effects of different levels of stress on the physiological, perceptual, and cognitive systems of pilots and observers.
5. Learn how hours of wakefulness and/or sleep deprivation impact decision-making and problem-solving including how this cumulative fatigue leads to human error.
6. Discover how even the best trained pilots and observers commit human errors that lead to aircraft accidents. This will be reinforced through case studies and discussion.
7. Discuss how managers, supervisors, chief pilots, unit instructors, and others play a critical role in creating a safety culture.
8. Learn how managers and supervisors must communicate and reinforce the importance of a safety culture daily.

REGISTER HERE>> www.HPTC-Pro.com 949-991-4782

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CA POST Course Control Number: 1534-80210-24001