



COMPUTER TRAINING SYSTEMS

Your Co-Pilot in Aviation Training

INDIVIDUAL COURSES TRAINING SERIES

High-Altitude Weather and Aerodynamics



FIXED WING



IPAD COMPATIBLE



APPROX 2.0 HRS

High-altitude flight presents pilots with several unique challenges due to the different weather, physiological concerns, and effects high altitude and high speed flight have on aerodynamics. This course provides pilots with training covering these aspects of high-altitude flight and the proper recovery procedures for emergencies such as hypoxia and decompression.

This course ensures pilots have a solid principal understanding of High Altitude Weather and Aerodynamics necessary for many Part 135, Part 125, and Part 91 pilots and includes the elements required for the high-altitude endorsement under 14 CFR Part 61.31.

TUTORIALS

Introduction to High-Altitude Flight

1. The High-Altitude Flight Environment
2. Flight Planning and Navigation
3. High-Altitude Emergencies

Physiological Aspects of High-Altitude Flight

1. Respiration and Hypoxia
2. Trapped Gas and Decompression Sickness

High-Altitude Mach Flight

1. High-Altitude Aerodynamics and Performance

LESSONS

▶ Comprehensive examination covers subject matter from all lessons

High Altitude Weather and Aerodynamics

1. High-Altitude Weather and Planning
2. High-Altitude Emergencies
3. Physiological Aspects of High-Altitude Flight
4. Mach Flight