

FlightSafety's eLearning TCAS/ACAS course provides flight department personnel with a comprehensive description of the Traffic Alert and Collision Avoidance Systems and Airborne Collision Avoidance Systems and the various features these systems incorporate to alert flight crews to possible conflicts with other traffic. This course covers Version 6.04, Version 7.0 and Version 7.1 software.

This course will answer questions such as:

- What is TCAS/ACAS?
- Why do you need it?
- How does it work?
- What components are needed to keep it functional?
- What are the different types of TCAS/ACAS?
- How should you respond to a TCAS/ACAS advisory?

For more information and screenshots, please visit: <https://elearning.flightsafety.com/tcas-acas.html>

For more information or to sign up, please email USAIG's Director of Safety Services, Paul Ratté at [safety@usaig.com](mailto:safety@usaig.com) – or call 212-859-3856.

### Course Curriculum – Approximately 2 Hours (self-paced)

This self-paced course covers the following topics:

- TCAS/ACAS Fundamentals
- Theory of Operation/General Concept of TCAS Operation
- System Operation
- Advisory Thresholds
- TCAS/ACAS Limitations/TCAS General Limitations
- TCAS/ACAS Inhibits
- Operating Procedures
- Use of Controls
- Display Interpretation
- Use of TA Only mode
- Crew Coordination/Pilot Response/TA Responses/RA Responses
- Reporting Requirements/TCAS Event Reporting
- Expected Flight Crew Response and Level of Protection Provided by TCAS
- ATC Communication and Coordination
- TCAS Equipment Components Controls, Displays, Audio Alerts and Annunciations
- Interfaces and Compatibility with Other Aircraft Systems
- MEL Provisions
- Reporting TCAS Malfunctions
- CRM Elements as required
- Examination

### System Requirements

**PC or Apple Mac minimum requirements:** Operating System: Windows 7 or newer (PC), OS X 10.7 (Lion) or newer (Mac), Browser: Google Chrome (recommended), Apple Safari, Mozilla Firefox or Internet Explorer 9+, Adobe Flash 9.0+, Speakers or Headset/Headphones, Stable High-Speed internet connection

**Apple iPad minimum requirements:** Operating System: iOS6 or newer, Browser: Apple Safari, Google Chrome, Stable High-Speed internet connection