



FLIGHTSAFETY

ADVANCED TRAINING

NEW MASTER-LEVEL COURSES INCREASE SAFETY AND PROFICIENCY



Meet Challenges Head On With Master-Level Training

FlightSafety offers a new series of advanced pilot courses designed to enable flight crews to respond to challenging situations and achieve the highest level of safety. Enhance your skills with master-level, aircraft-specific training in a controlled learning environment. Our progressive curriculum expands aviation education beyond the fundamentals covered by initial and recurrent training. Compelling scenarios, coupled with breakthroughs in simulator technology, deliver deeper knowledge of the aircraft and help ensure a safe and correct response to demanding flight situations.

FIXED-WING CURRICULUM

Courses are available for various Gulfstream, Cessna Citation, Dassault Falcon, Beechcraft King Air and Pilatus aircraft. These courses will be available for additional aircraft in the future.

Advanced Upset Prevention & Recovery Training

In-flight loss of control represents the single greatest cause of fatal aviation accidents in the last decade. Training focuses on preventing in-flight loss of control, and recovery from upset if prevention is not possible. Our state-of-the-art simulators incorporate an aerodynamic model that replicates the flight envelope from full aerodynamic stall to speeds well beyond VMO/MMO. This allows pilots to safely experience and recover from full aerodynamic stall and high-speed events in a way that would be far too dangerous to experience in an aircraft. Pilots then practice specific recovery techniques to proficiency. Ground school advanced topics include low-/high-speed aerodynamics, stability and control, aircraft performance and upset recovery technique.

ADVANCED UPSET PREVENTION & RECOVERY TRAINING

Course Curriculum	8.0 Hours
Ground School/Academics	3.5 hours
Simulator (per crew)	4.0 hours
Debriefing	0.5 hours

Course Prerequisite – Pilots must be type-rated on the course-specific aircraft.





Watch our video to see Upset Prevention & Recovery Training in a FlightSafety full flight simulator.

Advanced Energy Management

Focuses on the physics of operating aircraft during descent. Includes two hours of ground school and four hours in simulator. Learn the tools available to understand aircraft energy state at any given point on the descent. Up to 10 different scenarios help crew predict whether they will meet stabilized approach criteria well in advance of the stabilized criteria point. Primary goal: prepare crew to act much earlier to resolve high-energy problems while they are still easily handled.

ADVANCED ENERGY MANAGEMENT

Course Curriculum	6.0 Hours
Briefing/Debriefing	2.0 hours
Simulator	4.0 hours

Course Prerequisite – Pilots must be current on the course-specific aircraft, completing training in the preceding 12 months. Recommended that course be taken as a crew for maximum effectiveness.



Advanced Rejected Takeoff Go/No-Go

Promotes best practices to enhance go/no-go decision-making. Presents 18 V1 scenarios, requiring a decision to either continue the takeoff or abort. In addition to promoting go/no-go decision-making proficiency, the course gives two pilots an opportunity to fly an aircraft under the high stress and the demands of an emergency return. Each pilot practices multiple emergency return scenarios.

ADVANCED REJECTED TAKEOFF GO/NO-GO

Course Curriculum	6.0 Hours
Briefing/Debriefing Simulator	2.0 hours 4.0 hours

Course Prerequisite – Pilots must be current on the course-specific aircraft, having completed training in the preceding 12 months. It is recommended that this course be taken as a crew for maximum effectiveness.



Advanced CRM/Human Factors Loft

A highly integrated and challenging curriculum that measures and helps improve flight crew ability to perform as a tightly coordinated unit during a long-range international flight. Aircraft issues arise that significantly affect passengers, requiring complex decision-making by the crew. Optimal outcome hinges on crew competency in coordination, communication, monitoring skills, intervention protocols, resilience to unforeseen events and response to a startling event. Course highlights crew proficiency in crew resource management and selected aspects identified for subsequent discussion. Objective: demonstrate that no matter how competent one might be technically, weaknesses in communication and CRM skills can lead to an unsatisfactory or unexpected outcome.

ADVANCED CRM/HUMAN FACTORS LOFT

Course Curriculum	6.0 Hours
Briefing/Debriefing	2.0 hours
Simulator	4.0 hours

Course Prerequisite – Pilots must be currently flying as a crew within the same flight department, and have trained in the LOFT's make and model within the past 12 months.



HELICOPTER CURRICULUM

Courses are available for various aircraft from Airbus Helicopters, Bell Helicopter, Leonardo Helicopters and Sikorsky Aircraft Corporation.

Advanced Helicopter Crew Resource Management (CRM)

Become familiar with the basic aspects of CRM as it uniquely applies to helicopter operation. You'll learn how situational awareness, conflict resolution and communication skills combat negative issues which may arise on the helicopter. Recognize how effective crew performance and decision-making can overcome situations caused by error chains, human factors and fatigued or stressed operators. Lead the way in enhancing the safety of your passengers by mastering proper crew resource management.

ADVANCED HELICOPTER CRM

Course Curriculum	6.0 Hours
Ground School	4.5 hours
Simulator	1.5 hours



Advanced Helicopter Surviving Inadvertent Instrument Meteorological Conditions (IMC)

When weather conditions unexpectedly and rapidly obscure a view, it's critical to have a sound and well-practiced strategy to maintain the safety of your aircraft. Decisions made in the first pivotal moments will decide the outcome. This course gives you the tools needed to react appropriately. Discover the major causes for inadvertent IMC accidents and learn preflight and in-flight strategies to avoid IMC. Master best practices for the safest responses to inadvertent IMC. Learn successful strategies to ensure that flights conform to plan and don't exceed training or equipment. Instruction stresses human factors such as decision-making and breaking the error chain.



ADVANCED HELICOPTER SURVIVING INADVERTENT IMC

Course Curriculum	8.0 Hours
Ground School	3.5 hours
Briefing/Debriefing	2.0 hours
Simulator	2.5 hours





World-Class Training. Worldwide Reach. FlightSafety International is the world's premier professional aviation training company and supplier of flight simulators, visual systems and displays to commercial, government and military organizations. The company provides more than 1.3 million hours of training each year to pilots, technicians and other aviation professionals from 167 countries and independent territories. FlightSafety operates the world's largest fleet of advanced full flight simulators at Learning Centers and training locations in the United States, Australia, Brazil, Canada, China, France, Japan, Norway, South Africa and the United Kingdom.

ThinkSafety[®]

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