

USC AVIATION SAFETY AND SECURITY PROGRAMS COURSE OFFERING

COURSE INFORMATION

All courses listed, with exception of the Aircraft Accident Investigation course, will be conducted at the University of Southern California campus in Los Angeles, CA and can be conducted offsite at a customer's location.

These courses are electives for the FlightSafety Master Technician Management path and are eligible to be used under an event based contract.

COURSE	DURATION	MATERIAL	2022 PRICE
Accident/Incident Response Preparedness (AIP)	4.0 days	306493	\$2,250
Aircraft Accident Investigation (AAI)	9.5 days	306494	\$3,750
Aviation Safety Management Systems (ASMS)	9.5 days	306502	\$3,750
Gas Turbine Accident Investigation (GTAI)	4.5 days	306503	\$2,650
Helicopter Accident Investigation (HAI)	4.5 Days	306504	\$2,650
Human Factors in Aviation Safety (HFH)	3.0 Days	306505	\$2,650
Human Factors in Maintenance (HFMX)	4.5 Days	306506	\$2,650
Safety Management for Aviation Managers (MAINT)	4.5 Days	306507	\$2,650
Safety Management for Ground Operations (SMS_RAMP)	2.5 Days	306508	\$1,375

Presented by the University of Southern California in Association with FlightSafety International

COURSE DESCRIPTIONS

Accident/Incident Preparedness (AIP)

Designed for individuals who are involved in either preparing for an accident or responding to one as a representative of their organization. It is based on the premise that accidents are relatively rare events and organizations may have little experience in dealing with them. While the situation is usually complex and challenging the impact on individuals or an organization can be reduced by preparation and developing an effective response plan.

Aircraft Accident Investigation (AAI)

Designed for individuals who have limited investigation experience. All aspects of the investigation process are addressed and covers NTSB and ICAO procedures. Investigative techniques are examined as well as data collection; wreckage reconstruction and cause analysis are discussed in the classroom and applied in the lab. The communication portion of the AAI class provides students with the tools necessary to address diverse audiences.

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USC AVIATION SAFETY AND SECURITY PROGRAMS COURSE OFFERINGS CONTINUED

COURSE DESCRIPTIONS (CONTINUED)

Aviation Safety Management systems (ASMS)

Course is designed for the individual responsible for planning or directing an aviation safety program. Fundamentals in systems organization and structure provide the individual with the essential skills and methodology needed to plan and manage an effective aviation safety program. Emphasis is placed on understanding the principles of risk management, identifying program development strategies, audits and applying the knowledge toward effective management systems and interoperability with Quality Assurance.

Helicopter Accident Investigation (HAI)

Examines the investigation of helicopter accidents to include processes used to determine the cause. The course includes both classroom and laboratory studies. Although Aircraft Accident Investigation (AAI) is not a prerequisite, it is assumed that the attendee has either completed AAI or has some previous experience in aircraft accident investigation.

Human Factors in Maintenance (HFMX)

The Program presents human factors issues as conditions/hazards that must be managed in the maintenance world. Specific issues such as fatigue management, deviations for approved procedure, situation awareness and the Dirty Dozen are presented. Data collection methodologies such as MEDA and LOSA are examined as viable methods of safety information and as hazard identification tools in an organization's SMS.

Safety Management for Ground Ops (SMS_RAMP)

Presents practices and methodologies for the identification and mitigation of hazards that occur in all phases of airport ground operations which are costly and can result in damage or injury. This program identifies best practices on how to identify and mitigate ground damage and injury mishaps before they happen.

Gas Turbine Accident Investigations (GTAI)

This specialized investigation course is directed to turbojet and turboprop powered aircraft. The course examines specific turbine engine investigation methods and provides technical information in the related area of material factors and metallurgical failure investigation. This is a fundamental accident investigation course. It is assumed that the attendee has a basic understanding of jet engines.

Human Factors in Aviation Safety (HFH)

Emphasis is placed on identifying the causes of human error, predicting how human error can affect performance, and applying countermeasures to reduce or eliminate its effects. The course content follows the subjects recommended in FAA Advisory Circular 120-51E, and topics recommended in the ICAO Human Factors Digest No. 3. The emphasis is from the pilot's perspective, but is applicable to all phases of aviation operations. The course relies heavily on participation, case studies, demonstrations, self-assessment and practical exercises.

Safety Management for AV Maintenance (MAINT)

Provides supervisors with aviation safety principles and practices needed to manage the problems associated with aircraft maintenance operations. In addition, it prepares attendees to assume safety responsibilities in their areas of operation. It does not teach aircraft maintenance and assumes the attendee has a maintenance background.

FOR MORE INFORMATION, CONTACT: +1 201.528.0170 or sales@flightsafety.com

TRAINING LOCATIONS

University of Southern California