



5-day Short Course

Aviation Safety Investigation

- 29 September – 3 October 2025
- Canberra, Australia



MEMKO is proud to partner with Cranfield University to bring to Australia world leading transport safety and accident investigation continuing professional development courses.

Overview

Cranfield University will deliver its five-day introductory Aviation Safety Investigation course in Canberra, Australia in late September/early October 2025.

Calling on Cranfield's almost 50 years of experience in training safety investigators around the world, you will be taught the theoretical knowledge and practical skills required in conducting safety investigations, before you put them into practice when you undertake the key stages in a simulated serious incident investigation.

In teams you will request appropriate evidence, conduct interviews, analyse evidence using a formal model and make safety-based recommendations. The course is designed for those working within the safety function of airlines, airports, ground handling providers, manufacturers, regulators, air navigation service providers or professional associations/unions. While for professional investigators we recommend Cranfield's three-week Fundamentals of Accident Investigation course or the six-week Aircraft Accident Investigation course (offered through the UK campus), this course will also be suitable for support staff of professional investigators.



At a glance

Dates	Monday 29 September – Friday 3 October 2025
Duration	5 days (9am - 5pm)
Location	Crowne Plaza Hotel, 1 Binara St, Canberra ACT 2601 <i>Special accommodation rates available to course participants.</i>
Cost	A\$5,500 ex GST (A\$6,050 with GST)
Cost (Group Pricing)	A group booking discount applies where 3 delegates or more are booking from within one organisation. The discounted course fee per participant is A\$5,000 ex GST (A\$5,500 incl. GST).

Get in touch

For information on the course speak to our Australia-based representative:

Paul Fox – Regional Manager (Asia Pacific) - Safety and Accident Investigation Centre **M:** +61 410 737 686 **E:** paul.fox@cranfield.ac.uk



"I had the good fortune to attend the five-day Aviation Safety Investigation course at Cranfield University. What a week... it was a real mind-opener. It was fantastic to learn first-hand from the top specialists of different subjects. It wasn't an easy week, but definitely worth it."

Short course delegate - Quality Engineer, British Airways

Course structure

This five-day classroom-based course will be delivered by two industry experienced Cranfield lecturers. The course will consist of lectures, workshops and practical exercises, including role play interviews.

What you will learn

On successful completion of this course a student should be able to:

- describe the accident investigation process in the aviation industry;
- identify roles and responsibilities within the accident investigation process;
- critically assess analysis techniques used in accident investigation;
- evaluate common causal factors;
- undertake an investigative interview using the PEACE model;
- collect and analyse human factors evidence;
- make effective recommendations.

Core content

Course topics:

- accident investigation approaches and response;
- on-site appraisal, including an overview of hazard and risk management;
- evidence identification and collection;
- human factors in investigations;
- witnesses and interviewing;
- investigation analysis;
- organisational influence on accident causation;
- preparing and managing recommendations;
- writing investigation reports.

Course accreditation

All participants will receive a certificate of completion from Cranfield University after full attendance of the course.

Speakers / lecturers

Craig Cattell MSc MBA CEng MRAeS FHEA

Senior Lecturer in Accident Investigation - Safety and Accident Investigation Centre



Craig was previously a multimode investigator with UK Defence Accident Investigation Branch before coming to Cranfield. During his professional career Craig earned Chartered Engineer status for his aircraft engineering roles, concurrently achieving an MBA. As an investigator Craig completed an MSc in Safety and Accident Investigation with Cranfield and is now the course director for this course. An Aircraft engineer by trade Craig joined the UK Defence Accident Investigation Branch carrying out international investigations on everything from weapons of war to luge sleds. During his time at Cranfield he has utilised his investigative experience in diverse areas to develop a highly successful Foundation in Healthcare Incident Investigation course training over 500 investigators to date. Craig has specific accident investigation expertise in using drones for accident investigation, trauma management, multimode investigations and aviation fire investigations.

Professor Graham Braithwaite FRAeS, FCILT, FISASI

Director of Aerospace and Aviation / Professor of Safety and Accident Investigation Centre



Graham is the leader of the aviation and aerospace activities at Cranfield and an international authority on accident investigation. He joined Cranfield University in 2003 as the Director of the Safety and Accident Investigation Centre where he launched new multimodal accident investigation courses in 2004 and the world's first MSc for aircraft accident investigators in 2005. He became Director of Transport Systems in 2014 where he led the £67M Digital Aviation Research and Technology Centre. In 2024, he was appointed as Director of Aerospace and Aviation. From 1997 to 2003, he taught Aviation Safety and Human Factors at the University of New South Wales in Australia and was involved in a range of research projects covering ATC, cabin safety, rescue and firefighting and engineering human factors. Graham holds a BSc (Hons) in Transport Management and Planning and a PhD in Aviation Safety Management from Loughborough University. Graham is also an Independent Safety Adviser to the British Airways Board.

Mark St Laurent

Lecturer in Accident Investigation - Safety and Accident Investigation Centre

(Online Presenter)



Marc began his career as an ATPL rotary pilot having flown in Canada, Sudan and Madagascar. He then spent 9 years as an Investigator with the Transportation Safety Board of Canada and then 5 years as the Chief of Safety with Transport Canada Aircraft Services Directorate, managing the safety program for a fleet of 85 fixed and rotary-winged aircraft at 15 bases across Canada, including shipborne aircraft for the Canadian Coast Guard and Arctic Ice Survey Patrol aircraft. He then spent 11 years as the Airline Safety Manager Investigations with Cathay Pacific Airways, where he was the lead investigator for all the airline's disciplines. Marc has also acted on various occasions as an Expert Consultant for ICAO on Accident Investigation Section Annex 13 and other capacity-building missions in Sierra Leone and Syria, and with the ICAO North American, Central American and Caribbean (NACC) Regional Office in Mexico City. Hailing from Quebec City, Canada, Marc is fluent in French and English. Marc joined Cranfield's academic team in a fulltime capacity in 2023.

Mark Robinson BSc (Hons), MSET, QTLS

Lecturer in Accident Investigation - Safety and Accident Investigation Centre

(Online Presenter)



Mark is a former police officer with 27 years of experience, specialising in investigative interviewing and serving as a tactical advisor and trainer in the field, including work with Serious and Major Crime Units as an interview tactical advisor. Within his police career, Mark spent 15 years as an Investigative Interview Trainer and the Director of the Advanced Interview Course, training police officers at all levels in investigative interviewing skills. Prior to his police career, he worked as a Marine Technician Engineer and professional yachtsman. He holds an honours degree in Psychology from the University of Kent, with a focus on forensic interviewing. He has acted as a lead investigator in road death investigations. Mark has been associated with Cranfield University since 2004, contributing to various training programs, and became a full-time lecturer in 2022. His expertise lies in equipping professionals with structured, ethical approaches to interviewing, grounded in both practical experience and academic insight.

Course fees

Fee for this 5-day course is **\$5,500 (ex GST)**. This includes course notes, morning and afternoon tea/coffee and lunches.

A group booking discount applies where 3 delegates or more are booking from within one organisation. The discounted course fee per participant is A\$5,000 ex GST (A\$5,500 incl. GST).

How to apply

To apply for this course please use the **Aviation Safety Investigation Course Application Form**. Please Note: places on the course are strictly limited.

About Cranfield University

Cranfield is a world-leading specialist postgraduate university with expertise in science, technology, engineering and management. Working with business, academia, governments and other organisations we deliver applied research that has a real-world impact. In the Research Excellence Framework 2021, 88% of our research was rated as world-leading or internationally excellent.

Cranfield has large-scale facilities and global industry partnerships and is one of the few universities in the world to have its own airport – creating a unique environment for research and teaching.

Cranfield's Safety and Accident Investigation Centre delivers world leading teaching, research and consultancy in safety and accident investigation, safety management and human factors. It has set the standard for aircraft accident investigation training since 1977 and in 2004, added training for rail and marine accident investigators and launched the world's first MSc for professional transport accident investigators.

Cranfield is a six-time winner of the prestigious Queen's Anniversary Prize, the highest national honour for educational institutions, with one of these awards given in recognition of the work of the Safety and Accident Investigation Centre.

<https://www.cranfield.ac.uk/Centres/Safety-And-Accident-Investigation-Centre>



About MEMKO

MEMKO is Australia's leading provider of aerospace engineering, training and technology solutions to defence, global aviation OEMs and airworthiness authorities. MEMKO's multidisciplinary engineering teams have extensive experience in aerospace product design, analysis, modelling and simulation, testing, continuing airworthiness management, systems engineering and digital twins. MEMKO is appointed by the Australian Civil Aviation Safety Authority under CASR Subpart 21.M to certify repairs and modifications for aircraft and aircraft systems.

MEMKO is a Certified Solutions Partner of Dassault Systèmes and delivers technology solutions centred on the 3DEXPERIENCE product lifecycle management platform. Access to comprehensive technical data standards and advanced aerospace design and modelling applications from Dassault Systèmes, CATIA, ENOVIA, SIMULIA and DELMIA enable the efficient delivery of projects.

MEMKO has a long history in Australia of providing aviation and aerospace short courses, expert training in the Dassault Systèmes 3DEXPERIENCE software and microcredential training for in-demand industry skills such as Model Based Systems Engineering and digital twins.

MEMKO's services are assured by a robust quality management system certified to international aviation and aerospace standards AS/EN 9100, ISO 9001 and ISO 27001 for information security.

MEMKO has offices in Melbourne, Australia, Singapore and Bangalore, India.

<https://memko.com.au>

