



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	Canberra (venue location TBC)
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

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 Safety and 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.

Mark Robinson BSc (Hons), MSET, QTLS - Lecturer in Accident Investigation
Safety and Accident Investigation Centre



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. 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, and 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.



"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 fees

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

Cancellation: Course fees will be returned less a \$50 administration fee, upon receipt of a written cancellation notice received by MEMKO a minimum of 10 days prior to the course.

How to apply

To apply for this course please use the attached **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>

