



Technical Crash Investigation & Reconstruction Advanced Course

22nd – 26th October 2018

The **Technical Crash Investigation & Reconstruction Advanced Course** has been specifically designed to provide advanced crash reconstruction skills training to persons involved in motor vehicle collisions at the investigation, damage assessment, or litigation levels. The 5 day intensive course ensures proper cause analysis.

The course significantly builds on and broadens the skills already learned in the **Technical Crash Investigation & Reconstruction Introduction course**.

At the end of the course, successful candidates will be able to:

- Conduct a crush analysis to estimate a vehicles impact speed.
- Create simulations of vehicle and other collisions using PC-Crash illustrate software to better analyse vehicle collisions.
- Particular emphasis is given to detailed examination of participants own provided examples of crash scenarios.
- Be up to date with the latest state of knowledge in collision reconstruction (Latest publications).
- Be aware the most recent advances in Yaw analysis, as applied to Motorcycle crashes.

Date: 22nd – 26th October 2018

Time: 9am – 4pm

Location: 9 Springbank Street,
Tullamarine Vic

**Early Bird 6 August to 10 September 2018
(30% Saving)**

	price after 10 September 2018
Member: \$1,365	\$1,950
Non-Member: \$1,715	\$2,450
Student: \$945	\$1,350

For Further Enquiries:

Rose De Amicis

Phone: +61 403 267 166

Email: rose@sae-a.com.au

Technical Crash Investigation & Reconstruction

Advanced Course

22nd – 26th October 2018

Program

Over 5 consecutive days from 22nd to 26th October, 2018

This training course is fully catered and includes morning & afternoon tea, and lunch.

DAY ONE

9:30am – 5:00pm

- Crush Analysis
 - Background
 - Equations

DAY TWO

9:00am – 5:00pm

- Crush Analysis
 - Crush measurement methods
 - Examples
 - Motor cycles: Advances in Yaw analysis
 - Review of latest state of knowledge in collision reconstruction

DAY THREE & FOUR

9:00am – 5:00pm

- PC-Crash (Simulation)
 - Car v car
 - Car v truck
 - Car v pedestrian
 - Car rollover

DAY FIVE

9:00am – 5:00pm

- The use and application of Event Data Recorders in traffic crash reconstruction.
- Student provided cases. Students are asked to provide up to two examples of crashes (in outline) for class analysis and discussion.

Instructor Biography



Dr Shane Richardson

*Principal Forensic Engineer
Delta-V Experts*

Dr Shane Richardson has been investigating vehicle collisions (and industrial incidents) since 1996, initially for the Australian Department of Defence (Army) with the Engineering Design Establishment, then as part of his PhD research and finally for Delta-V Experts.

Shane holds a Bachelor of Mechanical Engineering, Master of Science in Military Vehicle Technology and a PhD relating to vehicle rollover. He leads a team of seven engineers at Delta-V Experts who investigate vehicle collisions (and industrial incidents) on a daily basis, and has published and presented at national and international conferences.

Shane has provided expert evidence across Australia in Coroner and all court levels, including Supreme courts, and regularly travels all over the world to provide technical crash and investigation services.

Course Prerequisites

Attendance and successful completion of the Introductory Course.

Requirements

All delegates are required to bring a Laptop and Calculator. Course notes & stationery items will be provided on CD/USB. It is recommended that participants bring a video camera to record crash simulations.

Assessment

All participants will be assessed on an informal and formal basis throughout the course.

Knowledge will be assessed by written examinations involving calculations, interpretation of evidence contained in plans and photographs.

Assessment Conditions

Written tests and assignments are conducted with reference to manuals or notes.

On completion of the Course a certificate of Participation will be provided to delegates who complete the full 5 days.