DESIGNING DETECTION SYSTEMS 'ADD ON' COURSE FOR ANNUAL CERTIFIERS

This course is for annual certifiers / fire safety assessors who want to learn how to design detection and warning systems including smoke detection and alarm systems, smoke hazard management systems and occupant warning systems.

The course is designed as an 'add on' course for participants who have enrolled in, or have completed, a Diploma of Fire Systems Design – Annual Certifier Stream course.

Are there any special requirements needed to take this course?

- Participants must have completed or enrolled in a Diploma of Fire Systems Design course.
- Participants must be employed in the fire industry and have the capacity to complete fire systems designs and documentation for actual construction projects.
- Participants require access to a personal computer or tablet to enable use of the on-line learning system.
- Participants must have access to the following software to support production of designs and documentation:
  o Computer Aided Design (CAD) or appropriate drawing software
  o Software to complete electrical calculations
  o Word processing and spreadsheets

What if I already have experience?

- This course can be completed using a Recognition of Prior Learning (RPL) pathway.
- Further details on the RPL pathway for this course can be found by visiting www.fia.edu.au/courses.

What does the course cover?

The course provides participants with the skills and knowledge for a successful career as a fire systems designer of fire detection and warning systems. The course covers:
- Determining the requirements for fire systems in accordance with relevant legislation, codes and standards
- Creating detailed designs and specifications for fire detection and warning systems including smoke detection and alarm systems, zone and air pressurisation systems, smoke and heat vents, smoke exhaust systems, occupant warning and communication systems
- Producing 2D drawings of fire systems
- Providing design documentation to support installation and commissioning processes

How long does it take?

- The course is delivered over a period of 12 months across three learning blocks, each of approximately 4 months in duration.

How is the course delivered?

- The course is delivered via a combination of on-line learning and workshops.
- The workshops will be delivered through a combination of online and in-person sessions.
- Participants are supported throughout the learning process by our industry experts.

How does the course link to Licensing or Accreditation requirements?

- When completed in addition to a Diploma of Fire Systems Design – Annual Certifier Stream, the course will allow a practitioner to meet the FPAS application requirements for Fire Systems Design for:
  o Fire Detection and Alarm System (Level 1, 2 and 3)

Need help with licensing and accreditation requirements

- Visit www.fia.edu.au/advice for information on state and territory requirements or to obtain a detailed training plan that will demystify licensing and accreditation requirements and identify your training needs.

Additional training opportunities

- Participants can combine this course with the *Designing Water Based Systems 'Add On' Course for Detection Systems Designers* to meet the accreditation requirements for Fire Systems Design for Fire Sprinkler Systems (Level 1, 2, 3 and 4) and Fire Hydrant and Fire Reel Systems (Level 1, 2 and 3).
- Please contact our support team to discuss combining courses to ensure you benefit from the best combination of courses to meet your specific needs.

How do I enrol?

Further information on course fees and enrolment details can be found at www.fia.edu.au/courses

Course outcomes

On successful completion of this course, participants will be awarded a *Statement of Attainment for:*

Unit Code	Description
CPCPCM4013	Produce 2D architectural drawings using design software
CPCSFS5003	Develop plans and methodology for fire systems design projects
CPCSFS5008	Create detailed designs for fire detection and warning systems
CPCSFS5011	Provide design documentation and review and support fire system installation processes
CPCSFS5013	Support commissioning processes and finalise fire systems design projects

NATIONALLY RECOGNISED TRAINING

FIRE INDUSTRY ACADEMY

www.fia.edu.au