



*Vocational  
training for the  
fire industry  
throughout  
Australia*

### Contacts

NSW/ACT: (02) 8021 0369

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### Courses

CPC50520 Diploma of  
Fire System Design

CPC32820 Certificate III in  
Fire Protection

CPP30821 Certificate III in  
Fire Protection Inspection &  
Testing

UEE31020 Certificate III in  
Fire Protection Control

CPP20521 Certificate II in  
Fire Protection Inspection &  
Testing

Extinguishing Agent  
Handling Licence (EAHL)  
Courses

Fire Protection Accreditation  
Scheme (FPAS) Courses



Pacific Institute of  
Technology  
RTO ID Number: 40843

# Fire Protection Accreditation Scheme (FPAS) Fire Safety Design Information Sheet

## Who is this Course for?

This course is for experienced Fire Safety Designers seeking Qualified Accreditation under the Fire Protection Accreditation Scheme (FPAS). Pacific Institute of Technology can provide training and assessment that are required as part of the FPAS Qualified Accreditation for various Fire Safety Measures. FPAS has additional requirements for achieving FPAS Qualified Accreditation which include but not limited to experience requirements, insurance and a FPAA assessment. For further information go to [www.fpa.com.au](http://www.fpa.com.au). Pacific Institute of Technology is a training provider and is NOT associated with the FPA Australia.

## Is this training recognised?

The subjects (Units of Competency) included in these courses are Nationally Recognised Training are recognised throughout Australia and are equivalent to courses offered by TAFE colleges and industry organizations.

## What subjects are there?

See page 2 for Core subjects and specific subjects for each Fire Safety Measure.

## What prerequisites/enrolment requirements does this Course have?

There are no formal prerequisites. You also need access to a computer with a printer, email access, a word processor program and the ability to use these items. For Assessment Only Options the participant must provide all systems and/or equipment for assessment.

## What skills and knowledge will I have after I complete this Course?

At the completion of this Course you must be able to undertake inspection and testing (and installation depending on the units undertaken) of specific fire systems that meet the requirements of the relevant Australian Standards.

## How will I learn?

Learning is by various pathways but usually involves face-to-face workshops and pre and/or post workshop activities. Contact us for dates of nearby workshops. There are different pathways that suit different types of participants.

**Training and Assessment Options** (Note: Not all Options are available for all units)

**Blended Learning (both Online & Face-to-Face Training & Assessment)** – An option where Training and Assessment is undertaken in both an online and face-to-face environment.

**Assessment Only** – An option where Assessments are undertaken independently and submitted for assessment. For participants with extensive experience and already possess the required knowledge and skills.

## What sort of assessments are there?

Assessment techniques include oral questions, simulated activities, assessor observation, written assessments and practical assessments. For External Training and Assessment and Assessment Only Options the participant must provide all systems and/or equipment for assessment.

## Can I get RPL if I already have the required skills and knowledge?

Yes, your previous learning and current work experience may be used to satisfy all or some of the course requirements by using a Recognition of Previous Learning (RPL) process or alternatively you may undertake the Assessment only option. Contact us for further information.

## How long will it take to complete and how much does it cost?

The time required and price will depend on the units undertaken and your previous experience. Costing can be found below and on page 2. (Prices valid to 30/3/2021)

## How much are the course fees when are they paid? (prices at 01/04/21)

Course fees are shown on page 2 and 3. (Prices valid to 01/01/2022)

**Failure to pay fee within 14 days of invoice will result in cancellation of your enrolment with no refund of any fees paid.**

## How do I apply to enrol?

Complete the Online Enrolment Application Form. Pay the course deposit. Deposits will be refunded for unsuccessful enrolments.

## What other information do I need to know?

The PIT Student Handbook contains additional information including but not limited to course fees, payments, enrolments, refunds, substitutions, cancellations, complaints and appeals, training and competency based assessment, being reassessed, RPL, mutual recognition, student welfare, student details privacy, student rights, student responsibilities and OHS.

## Am I guaranteed to either receive my qualification or that I will get a job?

Pacific Institute of Technology DOES NOT guarantee that you will receive your qualification only that it will provide training and assessment and DOES NOT guarantee you will get a job. We also do not guarantee you will receive FPAS accreditation.



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## Fire Safety Design Information Sheet

### Fire Safety Designers Qualified Pathways

To achieve Qualified Accreditation each Fire Safety Measure has multiple Levels and each level has multiple Pathways. Each Pathway for each Fire Safety Measure, Level and Pathway is listed below.

### Fire Sprinkler Systems - Levels 2, 3 & 4

#### Pathway 1

CPC50520 Diploma of Fire Systems Design including the following units

|            |  |
|------------|--|
| CPCPCM4013 | Produce 2-D architectural drawings using CAD software                                  |
| CPCSFS5003 | Develop plans and methodology for fire systems design projects                         |
| CPCSFS5006 | Create detailed designs for fire sprinkler systems                                     |
| CPCSFS5009 | Create detailed designs for fire systems' water supplies                               |
| CPCSFS5010 | Provide documentation and support for fabrication of fire sprinkler systems            |
| CPCSFS5011 | Provide design documentation and review and support fire system installation processes |
| CPCSFS5013 | Support commissioning processes and finalise fire systems                              |

**Price: \$16,000 (Assessment Only \$14,000). Must be completed in 24 months.**

For course information and pricing see Water Based Stream on Pacific Institute of Technology's CPC50520 Diploma of Fire System Design Information Sheet.

#### Pathway 2

An engineering degree from an Australian university (or equivalent) and the following units

|            |  |
|------------|--|
| CPCSFS5001 | Define scope and hazard level of fire systems design projects                          |
| CPCSFS5002 | Research and interpret detailed fire systems design project requirements               |
| CPCSFS5003 | Develop plans and methodology for fire systems design projects                         |
| CPCSFS5005 | Research and evaluate fire system technologies and components                          |
| CPCSFS5006 | Create detailed designs for fire sprinkler systems                                     |
| CPCSFS5009 | Create detailed designs for fire systems' water supplies                               |
| CPCSFS5010 | Provide documentation and support for fabrication of fire sprinkler systems            |
| CPCSFS5011 | Provide design documentation and review and support fire system installation processes |
| CPCSFS5013 | Support commissioning processes and finalise fire systems                              |

**Price: \$12,000 (Assessment Only \$11,000). Must be completed in 12 months.**

#### Pathway 3

CPC50612 Diploma of Hydraulic Services Design and the following units

|            |  |
|------------|--|
| CPCSFS5002 | Research and interpret detailed fire systems design project requirements               |
| CPCSFS5003 | Develop plans and methodology for fire systems design projects                         |
| CPCSFS5005 | Research and evaluate fire system technologies and components                          |
| CPCSFS5006 | Create detailed designs for fire sprinkler systems                                     |
| CPCSFS5009 | Create detailed designs for fire systems' water supplies                               |
| CPCSFS5010 | Provide documentation and support for fabrication of fire sprinkler systems            |
| CPCSFS5011 | Provide design documentation and review and support fire system installation processes |
| CPCSFS5013 | Support commissioning processes and finalise fire systems                              |

**Price: \$11,000 (Assessment Only \$10,000). Must be completed in 12 months.**

### Fire Sprinkler Systems - Level 1

#### Pathway 1

A Certificate II qualification or higher in the fields of engineering, construction, plumbing, electrical, fire safety or property services, plus the following units

|            |   |
|------------|---|
| CPCPFS3030 | Design fire sprinkler systems using pre-calculated charts and tables  |
| PUAFIR403  | Assess building plans   |
| MEM30031A  | Operate computer-aided design (CAD) system to produce basic drawing elements  |
| FPAFSD001  | Apply building code and regulatory requirements to planned modification of fire protection systems (Note: This is a FPA Australia non-accredited units of competency) |

**Price: \$TBA (Assessment Only \$TBA). Must be completed in 6 months.**

#### Pathway 2

Completion of the following units

|            |   |
|------------|---|
| CPCPCM4013 | Produce 2-D architectural drawings using CAD software         |
| CPCSFS5001 | Define scope and hazard level of fire systems design projects |
| CPCSFS5005 | Research and evaluate fire system technologies and components |
| CPCSFS5006 | Create detailed designs for fire sprinkler systems            |

**Price: \$6,500 (Assessment Only \$5,500). Must be completed in 12 months.**



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## Fire Safety Design Information Sheet

### Fire Hydrant and Fire Hose Reel Systems - Levels 2, 3 & 4

#### Pathway 1

CPC50520 Diploma of Fire Systems Design including the following units

|            |  |
|------------|--|
| CPCPCM4013 | Produce 2-D architectural drawings using CAD software                                  |
| CPCSFS5003 | Develop plans and methodology for fire systems design projects                         |
| CPCSFS5007 | Create detailed designs for hydrant and hose reel systems                              |
| CPCSFS5009 | Create detailed designs for fire systems' water supplies                               |
| CPCSFS5011 | Provide design documentation and review and support fire system installation processes |
| CPCSFS5013 | Support commissioning processes and finalise fire systems                              |

**Price: \$16,000 (Assessment Only \$14,000). Must be completed in 24 months.**

For course information and pricing see Water Based Stream on Pacific Institute of Technology's CPC50520 Diploma of Fire System Design Information Sheet.

#### Pathway 2

An engineering degree from an Australian university (or equivalent) and the following units

|            |  |
|------------|--|
| CPCSFS5001 | Define scope and hazard level of fire systems design projects                          |
| CPCSFS5002 | Research and interpret detailed fire systems design project requirements               |
| CPCSFS5003 | Develop plans and methodology for fire systems design projects                         |
| CPCSFS5005 | Research and evaluate fire system technologies and components                          |
| CPCSFS5007 | Create detailed designs for hydrant and hose reel systems                              |
| CPCSFS5009 | Create detailed designs for fire systems' water supplies                               |
| CPCSFS5011 | Provide design documentation and review and support fire system installation processes |

CPCSFS5013 Support commissioning processes and finalise fire systems

**Price: \$11,000 (Assessment Only \$10,000). Must be completed in 12 months.**

#### Pathway 3

CPC50612 Diploma of Hydraulic Services Design and the following units

|            |  |
|------------|--|
| CPCSFS5002 | Research and interpret detailed fire systems design project requirements               |
| CPCSFS5003 | Develop plans and methodology for fire systems design projects                         |
| CPCSFS5005 | Research and evaluate fire system technologies and components                          |
| CPCSFS5007 | Create detailed designs for hydrant and hose reel systems                              |
| CPCSFS5009 | Create detailed designs for fire systems' water supplies                               |
| CPCSFS5011 | Provide design documentation and review and support fire system installation processes |
| CPCSFS5013 | Support commissioning processes and finalise fire systems                              |

**Price: \$10,000 (Assessment Only \$9,000). Must be completed in 12 months.**

### Fire Hydrant and Fire Hose Reel Systems – Level 1

#### Pathway 1

A Certificate II qualification or higher in the fields of engineering, construction, plumbing, electrical, fire safety or property services, plus the following units

|           |   |
|-----------|---|
| PUAFIR403 | Assess building plans   |
| MEM30031A | Operate computer-aided design (CAD) system to produce basic drawing elements  |
| FPAFSD001 | Apply building code and regulatory requirements to planned modification of fire protection systems (Note: This is a FPA Australia non-accredited units of competency)             |
| FPAFSD002 | Create designs and document specifications for modification of fire hydrant systems and fire hose reel systems (Note: This is a FPA Australia non-accredited units of competency) |

**Price: \$TBA (Assessment Only \$TBA). Must be completed in 6 months.**

#### Pathway 2

Completion of the following units

|            |   |
|------------|---|
| CPCPCM4013 | Produce 2-D architectural drawings using CAD software         |
| CPCSFS5001 | Define scope and hazard level of fire systems design projects |
| CPCSFS5005 | Research and evaluate fire system technologies and components |
| CPCSFS5007 | Create detailed designs for hydrant and hose reel systems     |

**Price: \$6,500 (Assessment Only \$5,500). Must be completed in 12 months.**





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## Fire Safety Design Information Sheet

### Fire Detection and Alarm Systems - Levels 2 & 3

#### Pathway 1

CPC50520 Diploma of Fire Systems Design including the following units

|            |  |
|------------|--|
| CPCPCM4013 | Produce 2-D architectural drawings using CAD 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                              |

**Price: \$12,000 (Assessment Only \$10,000). Must be completed in 24 months.**

For course information and pricing see Detection & Warning System Stream on Pacific Institute of Technology's CPC50520 Diploma of Fire System Design Information Sheet.

#### Pathway 2

An engineering degree from an Australian university (or equivalent) and the following units

|            |  |
|------------|--|
| CPCSFS5001 | Define scope and hazard level of fire systems design projects                          |
| CPCSFS5002 | Research and interpret detailed fire systems design project requirements               |
| CPCSFS5003 | Develop plans and methodology for fire systems design projects                         |
| CPCSFS5005 | Research and evaluate fire system technologies and components                          |
| 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                              |

**Price: \$11,000 (Assessment Only \$9,000). Must be completed in 12 months.**

### Fire Detection and Alarm Systems – Level 1

#### Pathway 1

A Certificate II qualification or higher in the fields of engineering, construction, plumbing, electrical, fire safety or property services, plus the following units

|           |   |
|-----------|---|
| PUAFIR403 | Assess building plans   |
| MEM30031A | Operate computer-aided design (CAD) system to produce basic drawing elements  |
| FPAFSD001 | Apply building code and regulatory requirements to planned modification of fire protection systems (Note: This is a FPA Australia non-accredited units of competency) |
| FPAFSD003 | Create designs and document specifications for modification of fire detection and alarm systems (Note: This is a FPA Australia non-accredited units of competency)    |

**Price: \$TBA (Assessment Only \$TBA). Must be completed in 6 months.**

#### Pathway 2

Completion of the following units

|            |  |
|------------|--|
| CPCPCM4013 | Produce 2-D architectural drawings using CAD software          |
| CPCSFS5001 | Define scope and hazard level of fire systems design projects  |
| CPCSFS5005 | Research and evaluate fire system technologies and components  |
| CPCSFS5008 | Create detailed designs for fire detection and warning systems |

**Price: \$8,500 (Assessment Only \$7,000). Must be completed in 12 months.**

### Multiple Fire Systems Groups

After you have completed any of the above Elective Groups you may undertake additional streams.

#### Pathway 2

An engineering degree from an Australian university or a qualification under an accredited program and the following units

**Fire Sprinkler Systems + Fire Hydrant and Fire Hose Reel- Price: \$15,000**

**Detection and Alarm Systems + Fire Sprinkler Systems - Price: \$17,000**

**Detection and Alarm Systems + Fire Hydrant and Fire Hose Reel- Price: \$16,000**

**Detection and Alarm Systems + Fire Sprinkler Systems + Fire Hydrant and Fire Hose Reel- Price: \$19,000**

#### Pathway 3

CPC50612 Diploma of Hydraulic Services Design

**Fire Sprinkler Systems + Fire Hydrant and Fire Hose Reel- Price: \$14,000**