

FIRE PROTECTION ASSOCIATION OF SOUTHERN AFRICA

FPASA

2020 TRAINING PROSPECTUS



1. About the FPASA Fire College

The Fire Protection Association of Southern Africa (FPASA) was established in 1973 to provide a specialized practical and technical training service to industry, commerce and society at large.

Over the years the Association has developed a range of membership options and technical, training and fire safety management services that are recognized for their quality, professionalism and value.

The FPASA provides education, training, information, advice and a fire consultancy service that includes insurer specific projects.

The Fire College is a professional training centre dedicated to assist in the reduction of life and property losses in the Southern African region. It provides training on request to its members and non-members alike and in addition provides standard training programmes to suit the broad spectrum of industrial and commercial requirements.

The Association's training facility has been operational since 1978, and we pride ourselves on the fact that it has been a totally open training facility regardless of race or gender since that time. In fact when the new FPASA Fire College was built in the late 1980's, it was designed to accommodate the needs of disabled persons and wheelchairs.

The FPA Fire College operates from purpose-built premises in Boksburg consisting of;

- An administration block accommodating the main reception area, a fire safety library, board room with fire museum/memorabilia display facilities and offices;
- A college building with three lecture rooms, an auditorium, fire museum/memorabilia display area, kitchen, offices, ablutions, and an outside entertainment area and includes comfort and catering facilities;
- A fire house area that includes technical workshops and indoor burn rooms;
- A large outdoor practical fire facility including fire installation demonstration rigs, small fire props, drill tower and a lawned hose drill area.

2. CONTACT DETAILS

Fire Protection Association of Southern Africa

105 Springbok Road, Bartlett, Boksburg

Telephone: 011 397 1618/9

- **Bookings:** college@fpasa.co.za OR support@fpasa.co.za
- **Fire Statistics/ Technical enquiries:** library@fpasa.co.za
- **Finance:** accounts@fpasa.co.za
- **Complaints:** neo@fpasa.co.za OR compliance@fpasa.co.za

3. FPASA Training Schedule: 2020

Basic Fire Fighting	
16 January 2020	16 July 2020
05 March 2020	03 September 2020
07 May 2020	05 November 2020

Fire Fighting & Evacuation	
15 January 2020	15 July 2020
05 February 2020	05 August 2020
04 March 2020	02 September 2020
01 April 2020	07 October 2020
06 May 2020	04 November 2020
10 June 2020	02 December 2020

Workplace Fire Fighting & Evacuation + Breathing Apparatus (Optional add-on or standalone course) + Grass Fire Fighting (Optional add-on or standalone course)	
24 – 27 February 2020	24 - 27 August 2020
20 – 23 April 2020	26 – 29 October 2020
29 June – 02 July 2020	30 November – 03 December 2020

Fire Risk Assessment & Prevention Strategies	
17 – 21 February 2020	14 – 18 September 2020
11 – 15 May 2020	19 – 23 October 2020
06 – 10 July 2020	07 – 11 December 2020

Advanced Fire Prevention	
23 - 27 March 2020 & 30 March – 03 April 2020	
20 – 24 July 2020 & 27 – 31 July 2020	
28 September – 02 October & 05 – 09 October 2020	

Fire Appliance Reconditioning	
10 – 14 February 2020	03 – 07 August 2020
09 – 13 March 2020	07 – 11 September 2020
20 – 24 April 2020	12 – 16 October 2020
18 – 22 May 2020	09 – 13 November 2020
22 – 26 June 2020	07 – 11 December 2020
06 – 10 July 2020	

Plan Appraisal: A detailed analysis of SANS 10400 - Parts A, T & W	
24 – 28 February 2020	07 – 11 September 2020
08 – 12 June 2020	

CFPA Principles in Fire Safety Engineering	
16 – 20 March 2020	23 – 27 November 2020

Fundamentals of Fire Investigation	
02 – 06 March 2020	20 – 24 July 2020
25 – 29 May 2020	12 – 16 October 2020

Advanced Fire Investigation Techniques	
16 – 19 November 2020	

Sprinkler Pumps: Inspection and Testing	
13 – 15 July 2020	02 – 04 November 2020

Bylaws	
22 – 25 June 2020	09 – 12 November 2020

CFPA Europe Fire Safety – Technical Cycle Exam (Diploma)	
09 June 2020	03 November 2020

Insurer Fire Impact Reduction Strategy (InFIREs) Seminar	
03 June 2020	

Diploma's on offer:

1. CFPA Europe Fire Safety – Technical Cycle & Management Cycle

Reservations:

Bookings: college@fpasa.co.za OR support@fpasa.co.za OR marketing@fpasa.co.za

Telephone: 011 397 1618/19

Technical Team Support:

carelv@fpasa.co.za: Carel Vermaak

peter@fpasa.co.za: Peter Mdawe

kashan@fpasa.co.za: Kashan Singh

herman@fpasa.co.za: Herman Lombard

sophie@fpasa.co.za: Sophie Kolobe

kyle@fpasa.co.za: Kyle Jordaan

4. Course Accreditation and Approval

- ❖ The FPASA Fire College is an **LGSETA accredited training centre - Accreditation Number: LG 177P**

The following courses carry full LGSETA accreditation status:

- Fire Fighting & Evacuation Module
- Workplace Fire Fighting
- Breathing Apparatus, both Operators, Donning and Starting-up
- Fire Appliance Reconditioning
- Advanced Fire Prevention
- Fire Risk Assessment & Prevention Strategies

- ❖ **Fundamentals of Fire Investigation** course:

Academic exemption for the IFE Member examination Paper 8;

Carries educational points for International Association of Arson Investigators (IAAI) Certified Fire Investigator registration;

IFE-UK CPD points.

- ❖ **Fire Appliance Reconditioning** course:

South African Qualification & Certification Committee (SAQCC) accredited;

SABS 1475 full accreditation.

- ❖ **Aviation Fire Fighting** course: Civil Aviation Authority (CAA) accredited

❖ **Principles of Fire Safety Engineering** and the CFPD Diploma, **CFPD Europe Fire Safety – Technical Cycle** carry full CFPD accreditation (Europe Confederation of Fire Protection Associations)

❖ **Insurance Institute of South Africa** CPD points for the following courses:

- Fire Risk Assessment & Prevention Strategies
- Advanced Fire Prevention
- Fundamentals of Fire Investigation
- Advanced Fire Investigation Techniques
- CFPD Principles in Fire Safety Engineering
- Plan Appraisals: A detailed analysis of SANS 10400 – Parts A, T & W
- Bylaws
- Sprinkler Pumps: Inspection & Testing
- Sprinkler Pumps: Inspection & Testing
- InFIREs Seminar

5.

Course Descriptions

Course Title	Duration	Validity	Summary of Content	Target Population & Suitability
1. Basic Fire Fighting Module	½ Day	1 Year	The basic theory of fire, methods of extinguishment, components, operations and practical use of fire extinguishers and hose reels.	Employees expected to use extinguishers and hose reels in the workplace. Suitable annual continuation or refresher training for persons who have attended the Fire Fighting & Evacuation Module
2. Fire Fighting & Evacuation Module	1 Day	2 Years	Basic theory & practical exercises for the use of portable fire extinguishers & hose-reels on incipient stage fires. Duties and responsibilities of fire marshals during an emergency. Practical evacuation exercise.	Designated employees, Fire Marshals / Wardens from commerce institutions. Suitable for initial & refresher training at this level.
3. Grass Fire-fighting Module	1 Day	2 Years	An introduction to the procedures and equipment for dealing with grass fires.	Employees in the agricultural sector who would be required to attend to vegetation fires.
4. AVFIRE – Flight Crew Fire-training. Reg. No. CAA/0142.	5 Hrs	3 Years	A programme for learners who may encounter in-flight fire emergencies, whilst conducting their duties on an aircraft.	Flight deck crew, cabin crew and loadmasters as part of their initial and recurrent emergency procedure training.
5. SAQCC Assessment	1 Day	N/A	An assessment session only.	
6. Fire Appliance Reconditioning	5 Days	N/A	A course designed to provide Learners with a working knowledge of the correct measures to be taken to restore an extinguisher or hose-reel to full operational readiness.	Persons involved in the maintenance of portable fire extinguishers and hose-reels. Suitable for initial training.
7. Breathing Apparatus - Donning & Start-Up.	2 Days	2 Years	Components of compressed air type sets & donning and start-up. Personnel expected to wear breathing apparatus in irrespirable atmospheres for protracted periods or where visibility is limited such as during fire-fighting operations, should attend BA. Operator's course.	People from commerce and industry who are expected to don and start up BA in order to escape from an irrespirable atmosphere. Suitable for initial and refresher training.
8. Breathing Apparatus - Operators	3 Days	2 Years	A full programme for Learners who may be expected to wear breathing apparatus in an emergency where irrespirable atmospheres and limited visibility will be encountered.	Fire Team and Occupational fire brigade members. Suitable for initial and refresher training.
9. Workplace Fire-fighting I	3 Days Including BA – 4 Days	3 Years	A programme covering practical fire-fighting for incipient stage/small fires including the use of extinguishers, foam equipment, large diameter hose and BA if required.	Initial and refresher training for Fire Team Members.
10. Fire Risk Assessment & Prevention Strategies (Previously Fire Prevention & Safety Strategies)	5 Days	5 Years	Content fully revised in 2011 and reviewed in 2016, now covers Fire Risk Assessment Methodologies, the theory of fire, legislation, components/operation/use of extinguishers, flammable liquids and gases, hot work, fire hazards of electrical equipment/installations, components/operation/site control of sprinklers and automatic fire detection systems, the organization and management of fire teams and occupational fire brigades.	Fire, Safety, loss control and security personnel. Suitable for initial & refresher training.

Course Title	Duration	Validity	Summary of Content	Target Population & Suitability
11. Advanced Fire Prevention	10 Days	N/A	Content fully revised in 2011, now addresses fire risk management, fire safety legislation, suppression system, fire growth and development, means of escape, flammable liquids and gases, structural protection, business continuity and fire safety management.	Fire, safety and loss control officers and managers. Unless prior arrangements have been made, successful completion of the Fire Risk Assessment & Prevention Strategies course is a prerequisite.
12. Fundamentals of Fire Investigation	5 Days	N/A	Most advanced programme of its type. Will promote a clear understanding of fire investigation and the rendering of opinion regarding origin and cause. Includes practical investigation exercises. Now aligned with NFPA 921.	Fire safety, law enforcement and insurance professionals with suitable fire related knowledge and experience.
13. Advanced Fire Investigation Techniques	4 Days	N/A	Most advanced programme of its type. Explains fire investigation techniques applicable to specific types of investigations, including vehicles, electrical and fatalities. Includes report writing and practical exercises.	Fire safety, law enforcement and insurance professionals who have completed the Fundamentals of Fire Investigation course and are active in the field of fire investigation.
14. CFPA Europe Certificate in Principles of Fire Safety Engineering	5 Days	N/A	The content of this course is based on BS7974:2011 – Application of fire safety engineering principles to the design of buildings and includes input drawn from associated published documents (PD's) which deal with issues which are primarily associated with life safety.	Fire consultant, fire engineers, building control officers, architects, fire officers and insurers.
15. CFPA Europe Fire Safety – Technical Cycle (Previously CFPA Europe Diploma in Fire Prevention)	2 Years	N/A	A range of aspects of Fire control, Fire Prevention and Fire safety management starting from the theory of fire to practical risk assessment.	The suitable population would be amongst others, Fire Safety Offices and Insurers.
16. Fire-fighting Competition	1 Day	N/A	To test the skills of Fire Teams and designated employees.	
17. Fire Technology Seminar	2 Days	N/A	This programme is designed to expose Learners to fire safety beyond the textbook.	Fire, safety or loss control personnel in a management or supervisory position and in possession of the Association's Advanced Fire Prevention Course certificate or similar.
18. Sprinkler Pumps: Inspection & Testing	2 Days	N/A	<ul style="list-style-type: none"> • Legal Requirements • ASIB and Insurance Requirements • Safety Requirements • Types of Pumps • Typical Pump Room Layouts – Schematic • Major Components and Elements of a Sprinkler Pump • Internal System Identification • Drive Units of a Pump • Identifying Hazards and Preventing Accidents • Housekeeping in a Sprinkler Pump Room • Maintaining Pumps • External Inspections of the Physical System • Weekly Fire Pump Test Procedure • Recognising and Reporting Faults • Indications of Malfunction (Common Faults) • Possible Root Causes of Pump Failure • Demonstration of how to Inspect and Test and Sprinkler Pump • Practical: Learner to Inspect and then Start a Sprinkler Pump 	<ul style="list-style-type: none"> • Anyone from any organisation, so long as they are responsible for overall inspection, testing and maintenance of sprinkler pumps. • Any organisation that has sprinklers needs to send a representative on this course to ensure their sprinkler pumps are operational and ready for use in a fire emergency.

Course Title	Duration	Validity	Summary of Content	Target Population & Suitability
19. Bylaws	4 Days	N/A	<ul style="list-style-type: none"> • Responsibility of the Chief Fire Officer, Municipal manager, Building Owner. • Building Fire Protection • Division and Occupancy separating elements • Fire Doors • Escape Routes • Tents • Testing and Maintenance of Fire Protection Systems • Fire Alarms • Fire Hydrants • Public Safety: population control • Emergency Evacuation • Vacant Buildings • Housekeeping • Dust • Combustible and Flammable Substances • Chimneys, Flues and Ducts • Ignition Sources • Smoking • Electrical Fittings and Accoutrements • Flame Emitting Devices • Fire Hazards: Combustible Materials • Flammable Substances • Above-Ground Storage of Flammable Substances • Flammables Stored in Chambers • Safety Distances for above-ground Flammable Storage Tanks • Underground Storage of Flammables • Bulk Storage Depots • Earthing and Bonding • Hot Work • LPG Installations • Termination of Storage of Flammables • Flammable Liquid Stores • Classification of Zones, Explosion Protection • Transportation of Dangerous Goods • Case Studies 	<ul style="list-style-type: none"> • Risk Managers (Insurance, Industrial, etc.) • Fire Engineers • Quantity Surveyors • Architects • Fire Safety Consultants • SHEQ Officers • Engineers • Fire Brigades <p>Anyone in the field of fire protection and prevention</p>

Course Title	Duration	Validity	Summary of Content	Target Population & Suitability
20. SANS 10400: A, T, W – A Detailed Analysis	5 Days	5 years	<ul style="list-style-type: none"> • Deemed to Satisfy Requirements vs. Rational Designs • Documents to be Submitted to the Local Authority for Approval • Details to be Enclosed in Fire Protection Plans • Qualifications of a Building Control Officer • Powers and Responsibilities of the Review Board • Acceptable Test Reports and Certificates • Understanding Regulation W1: Fire water installations; • Understanding Regulation W2: Supply of water; • Understanding Regulation W3: Design of fire water installations; • Understanding Regulation W4: Deemed-to-Satisfy Rules; • Main components of a fire water system; • Requirements of a fire water system; and • Understanding basic pump calculations. • Understanding Regulation T1 and T2; • Understanding the process of BS 7974; • Understanding the science of safety distances; • Understanding maximum division sizes based on occupancy. • Understanding the importance of the protection of openings; • Understanding fire protection of roofs and thatch buildings; and • Requirements for the protection of escape routes and emergency routes. • Protection of basements; • Provision of ventilation and stairways; • The provision of emergency lighting; • Provision of smoke control, sprinklers, portable and mobile fire extinguishers; • Installation of liquid fuel dispensing pumps and tanks. • Understanding the difference between CAT 1 and Non-Cat 1 Buildings; • Dissecting and analysing a building plan (application of SANS10400: A, T, W in totality). 	<ul style="list-style-type: none"> • Risk Managers (Insurance, Industrial, etc.) • Fire Engineers • Quantity Surveyors • Architects • Fire Safety Consultants • SHEQ Officers • Engineers • Fire Brigades <p>Anyone in the field of fire protection and prevention</p>

6. PROTECTIVE CLOTHING REQUIREMENTS

Course	Health & fitness Declaration	Old Clothes/ Closed shoes	Long sleeve overalls	Safety Shoes	Hard Hats
Section A					
Fire-fighting & Evacuation Module		*			
Fire Appliance Reconditioning			*	*	
Breathing Apparatus - Operators	*	*	*	*	
Breathing Apparatus - Donning & Start-up	*	*	*	*	
Fundamentals of Fire Investigation			*		
Workplace Fire-fighting I, II	*	*	*	*	
AVFIRE		*			
SAQCC Assessment			*	*	
Basic Fire-fighting Module		*			
Section B					
On-site fire-fighting courses.	*	Protective Clothing as per Company policy			
Grass fire-fighting module	*	*	*	*	
Fire Risk Assessment & Prevention Strategies.	Smart Casual. Short trousers and open footwear is not permitted.				
Advanced Fire Prevention	Smart Casual. Short trousers and open footwear is not permitted.				
Principles of Fire Safety Engineering	Smart Casual. Short trousers and open footwear is not permitted.				

NOTE: To uphold the FPA's standard on general dress as well as to protect learners from minor radiant heat, **short trousers and open footwear is not permitted** at the College for all programmes.

7. Course Application Form CO.04.03

Learner Details:

Initials & Surname	ID Number	Course Interested In	Date of Course	Dietary Requirements	Learners Email Address

NB!! PLEASE PROVIDE CERTIFIED ID COPY(S) OF LEARNER(S) ON THE FIRST DAY OF THE COURSE.

Membership Status

	Corporate	Individual	Non- Member
Membership: Y/N (If yes, please add membership number)			

Want to be a member of FPASA? Email your request to reception@fpasa.co.za and library@fpasa.co.za

Payee Details:

Company Name:	
Postal Address:	
Contact Person:	
Designation:	
E-mail:	
VAT Reg. No.:	
Office No.:	
Cell Phone No.:	
Payment made via:	

FPASA Banking Details:

Bank:	FNB North Rand Road
Account Number:	556 300 15458
Branch Code:	252 605
Account type:	Cheque
Email Proof of Payment to:	college@fpasa.co.za and accounts@fpasa.co.za

Important Information:

- All bookings are to be confirmed by way of completion of this form and full payment owing.
- In the event of non-attendance or cancellation, full course fees will be charged unless 10 working days' notice is provided.
- Certificates shall not be issued until full course fees have been received.
- Please ensure that the correct initials, spelling and ID numbers appear on the form.
- Attendance is subject to full course fees being received prior to commencement of the course.
- The course fee is per person and includes lunches, teas and course learning documentation in electronic format; lunch is not included for the Basic Fire Fighting Course or the Aviation Fire Fighting Course since these are half day courses.
- Learners will be required to bring their notes with as it will form the basis of their training. learners may choose to print or use their personal electronic devices during the lecture. Should a learner not be prepared, the learner will be excused from class to print the electronically distributed documents at their own cost.
- The college is non-residential; accommodation and travelling expenses are the responsibility of the participant's company.
- The Association reserves the right to postpone or cancel any course where insufficient reservations have been secured.