

FIRE PROTECTION ASSOCIATION OF SOUTHERN AFRICA

FPASA

2021 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: 2021

Basic Fire-Fighting Module	
21 January 2021	08 July 2021
11 March 2021	09 September 2021
13 May 2021	11 November 2021

Fire-Fighting & Evacuation Module	
20 January 2021	07 July 2021
10 February 2021	11 August 2021
10 March 2021	08 September 2021
14 April 2021	06 October 2021
12 May 2021	10 November 2021
09 June 2021	08 December 2021

Workplace Fire-Fighting 1 + Breathing Apparatus (Optional add-on or standalone course) + Grass Fire Fighting (Optional add-on or standalone course)	
22 – 25 February 2021	10 – 13 August 2021
06 – 09 April 2021	25 – 28 October 2021
21 – 24 June 2021	29 November – 02 December 2021

Sprinkler Pumps: Inspection and Testing		
23 – 25 March 2021	19 – 21 July 2021	18 – 20 October 2021

Bylaws (Contact or On-line training)	
10 – 13 May 2021	20 – 23 September 2021

Fire Appliance Reconditioning	
25 – 29 January 2021	12 – 16 July 2021
15 – 19 March 2021	13 – 17 September 2021
03 – 07 May 2021	22 – 26 November 2021

Plan Appraisal: A detailed analysis of SANS 10400 - Parts A, T & W (Contact or On-line)	
15 – 19 February 2021	06 – 10 September 2021
17 – 21 May 2021	

Fire Risk Assessment & Prevention Strategies (Contact or On-line)

01 – 05 February 2021	02 – 06 August 2021
19 – 23 April 2021	04 – 08 October 2021
07 – 11 June 2021	06 – 10 December 2021

Advanced Fire Prevention (Contact or On-line)

08 – 12 March & 15 – 19 March 2021
21 – 25 June & 28 June – 02 July 2021
16 – 20 August & 23 – 27 August 2021
01 – 05 November & 08 – 12 November 2021

CFPA Principles in Fire Safety Engineering (Contact or On-line)

22 – 26 February 2021	11 – 15 October 2021
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Fundamentals of Fire Investigation

01 – 05 March 2021	27 September – 01 October 2021
24 – 28 May 2021	15 – 19 November 2021
05 – 09 July 2021	

Advanced Fire Investigation Techniques

26 – 29 July 2021

CFPA Europe Fire Safety – Technical Cycle Exam (Diploma)

08 June 2021	03 November 2021
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Insurer Fire Impact Reduction Strategy (InFIREs) Seminar

02 June 2021

Diploma's on offer:

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

Reservations:

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

Telephone: 011 397 1618/9

Technical Team Support:

coo@fpasa.co.za: Lloyd Phetlhu

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.

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

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

- Fire-Fighting & Evacuation Module
- Workplace Fire-Fighting 1
- Fire Risk Assessment & Prevention Strategies
- Advanced Fire Prevention
- Fundamentals of Fire Investigation
- Advanced Fire Investigation Techniques
- CFPA Principles in Fire Safety Engineering
- Plan Appraisals: A detailed analysis of SANS 10400 – Parts A, T & W
- Bylaws
- Sprinkler Pumps: Inspection & Testing
- InFIREs Seminar

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. SAQCC Assessment	1 Day	N/A	An assessment session only.	
5. 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. 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.
11. 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.
12. 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.

Course Title	Duration	Validity	Summary of Content	Target Population & Suitability
13. 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.
14. 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.
15. Fire-fighting Competition	1 Day	N/A	To test the skills of Fire Teams and designated employees.	
16. 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.
17. 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.
18. 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 	<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
			<ul style="list-style-type: none"> • Termination of Storage of Flammables • Flammable Liquid Stores • Classification of Zones, Explosion Protection • Transportation of Dangerous Goods • Case Studies 	
19. 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	*	*	*	*	
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.

