

COJEMS Training Academy
City of Johannesburg



**FIRE & HAZMAT TRAINING
PROSPECTUS**

Training Academy – Emergency Management Services

City of Johannesburg

The Academy Of The Emergency Services have undertaken to ensure high level training where the mission is to create competitive standards in both the National and International setting, where the outcome result in world accepted levels of competence.

1. Registered Programmes:

- Fire fighter 1
- Hazmat first responder – Awareness level
- Fire Fighter 2
- Hazmat first responder – Operations level
- Fire Services Instructor
- Fire Officer
- Driver Operator
- Aerial Appliance

1.1 FUTURE PROGRAMMES

- Hazmat Technician

Accreditation

- NFPA (National Fire Protection Association)
- SAESI (South African Emergency Services Institute)
- SAQA (South African Qualifications Authority)
- Department of Manpower

Programme Bookings: External Applications

Training Academy – Emergency Management Services
City of Johannesburg
2 Symons road
Brixton
Johannesburg
2092

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Bookings (Internal applications)

Course bookings are conducted through the Skills Development Officer representing the City Of Johannesburg Training Academy. Bookings are scheduled in accordance with the completed skill audit conducted for the relevant year. All completed skills audit forms to be forwarded to:

Skills development Office
Florida Park
City Of Johannesburg
Tel: 011 758 5000

Cancellation

Training fees already paid are not refundable, whatever the reason.

Programme fees

Programme fees are determined as specified in the Government Gazette/Departmental costing procedure. Programme cost is available on request from the Academy.

Certificates

Certificates will only be issued once a learner is certified as Competent in accordance with NFPA/SAQA/SAESI standards and requirements.

Programme application closing dates

Programmes will be scheduled as determined by the Skills Development Officer (Exception to medical programmes). The period allowed for Academy readiness is no less than five working days.

Note: Late bookings *may* be considered subject to availability of space.

SECTION A - Fire Fighting Programmes

1. Fire fighter 1

1.1 Target population

- Emergency service personnel

1.2 Selection criteria

- Grade 12 or equivalent at NQF 4.
- 18 Years of age
- Basic Ambulance Assistant

1.3 Duration

The course is scheduled over 12 Weeks from 07:00 – 16:00 on each day.

1.4 Contents

1. Firefighter orientation and safety
2. Fire behavior
3. Building construction
4. Firefighter personal protective equipment
5. Portable extinguishers
6. Ropes and knots
7. Rescue and extrication
8. Forcible entry
9. Ground ladders
10. Ventilation
11. Water supply
12. Fire hose
13. Fire streams
14. Fire control
15. Fire detection, alarm and suppression systems
16. Loss control
17. Protecting evidence for fire cause determination
18. Fire department communications
19. Fire prevention and public education

1.5 Course fees

As per Gazetted/Departmental costing

1.6 Dress Code

Full Personal Protective Equipment including:

- Helmet
- Flash hood
- Jacket
- Trousers
- Boots
- Gloves

2. Fire fighter 2

2.1 Target population

- Emergency service personnel in possession of a valid fire fighter 1 qualification wishing to further develop knowledge and skill relating to fire fighting.

2.2 Selection criteria

- Fire fighter 1
- Basic Ambulance Assistant
- Hazmat Awareness
- Grade 12 certificate

2.3 Duration

The course is scheduled over 6 Weeks from 07:00–16:00 on each day.

2.4 Contents

- Implementing IMS
- Construction Material and Building collapse
- Rescue and extrication tools
- Vehicle extrication and special rescue
- Hydrant flow and operability
- Hose tools and appliances
- Foam fire streams
- Ignitable liquid and flammable gas fire control
- Fire detection, Alarm and Suppression systems
- Fire cause and origin
- Radio Communications and incident reports
- Pre-incident survey

2.5 Course fees

As per Gazetted/Departmental costing

3. Pumping Apparatus Driver/Operator

3.1 Target population

- Emergency service personnel

3.2 Selection criteria

- Fire fighter 1
- Hazmat Awareness
- Basic Ambulance Assistant
- Code C or EC driver's license

3.3 Duration

The course is scheduled over a 4 Week period between 07:00-16:00 each day.

3.4 Contents

- The driver/operator
- Types of fire apparatus equipped with a fire pump
- Introduction to apparatus inspection and maintenance
- Operating emergency vehicles
- Positioning apparatus
- What is water and where does it come from
- Fire hose nozzles and flow rates
- Theoretical pressure calculations
- Fire ground hydraulic calculations
- Fire pump theory
- Operating fire pumps
- Static water supply sources
- Relay pumping operations
- Water shuttle operations
- Foam equipment and systems
- Apparatus testing

3.5 Course fees

As determined in the Government gazette.

3.6 Dress Code

Full Personal Protective Equipment including:

- Helmet
- Flash hood
- Jacket
- Trousers
- Boots
- Gloves

4. Aerial Apparatus Driver/Operator

4.1 Target population

- Emergency service personnel

4.2 Selection criteria

- Fire fighter 1
- Hazmat Awareness
- Basic Ambulance assistant
- Pumping Apparatus Driver/Operator for a minimum of 6 Months

4.3. Duration

The course is scheduled over a 4 Week period between 07:00-16:00 each day.

4.4 Contents

- The Driver/Operator
- Types and construction of Aerial Fire Apparatus
- Introduction to Apparatus inspection and maintenance
- Driving Aerial Apparatus
- Positioning Aerial Apparatus
- Stabilizing the apparatus
- Operating Telescoping Aerial equipment
- Operating Articulating Aerial equipment

- Aerial Apparatus strategies and tactics
- Aerial Apparatus testing

4.5 Course fees

As per Gazetted/Departmental costing

4.6. Dress Code

Full Personal Protective Equipment including:

- Helmet
- Flash hood
- Jacket
- Trousers
- Boots
- Gloves

5. Wildland Fire Apparatus Driver/Operator

5.1 Target population

- Emergency service personnel
- Individuals in agriculture and forestry sectors

5.2 Selection Criteria

- Fire fighter 1
- Hazmat Awareness
- Basic Ambulance Assistant
- Code C1 driver's license

5.3 Duration

The course is scheduled over a 2 Week period between 07:00-16:00.

5.4 Contents

1. Safety and survival
2. Wildfire behavior
3. Wildfire suppression
4. Communications
5. Organization and chain of command

6. Map reading
7. Driving
8. Hand tools
9. Water supply and hose
10. Introduction to structural fires
11. Fire extinguishers
12. Ropes and ladders

5.5 Course fees

As per Gazetted/Departmental costing

5.6 Dress Code

Full Personal Protective Equipment including:

- Helmet
- Flash hood
- Jacket
- Trousers
- Boots
- Gloves

6. Incident Management System

6.1 Target Population

This programme is intended for all Emergency Services employees.

6.2 Selection Criteria

- Fire Fighter 1
- Basic Ambulance Assistant
- Hazmat Awareness

6.3 Duration

- 5 Days

6.4 Contents

- Introduction and need
- IMS principles
- Strategies and tactics

- Command tools
- Expanding the organization
- Functions of IMS sub-components
- IMS at mass casualty incidents
- Application of IMS at Rescue/Hazmat incidents

6.5 Programme Fees

As per Gazatted/Departmental costing

6.6 Dress Code

Full Personal Protective Equipment including:

- Helmet
- Flash hood
- Jacket
- Trousers
- Boots
- Gloves