



Hong Kong  
Fire Services Department  
**Fire and Ambulance  
Services Academy**

**Prospectus**



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# Welcome

## to the Fire and Ambulance Services Academy

The mission of the Hong Kong Fire Services Department (FSD) is to protect life and property from fire and other calamities. To better fulfil its mission to save those in distress and protect the community, the Department strives for continuous advancement in its services in the areas of firefighting, rescue, ambulance aid, mobilizing and communications, and fire protection.

The Fire and Ambulance Services Academy (FASA), situated at No. 11 Pak Shing Kok Road, Tseung Kwan O, Hong Kong, was commissioned in January 2016. Constructed at a cost of HK\$3.5 billion, FASA is well equipped with state-of-the-art training facilities, offering a wide range of training from foundation training on fire and ambulance services to advanced techniques for dealing with disasters. The Academy also serves as a breeding ground for personnel of the streams of fire, ambulance, control as well as workshop to better equip them to serve the community.

The image shows the exterior of the Fire and Ambulance Services Academy. The building is a modern, multi-story structure with a white facade and large glass windows. A prominent crest is mounted on the upper left side of the building. Below the crest, the building's name is written in Chinese and English. The background is a solid red color with a white curved shape on the left side.

# Training at the Academy

Spanning an area of about 158 000 square metres, FASA offers over 500 residential training places. It mainly provides foundation training for new fire and ambulance recruits and in-service training for serving personnel of various ranks. The Academy also provides training courses related to fire and ambulance services for other government departments, the private sector, and its local, Mainland and overseas counterparts.

Teaching facilities at FASA include a Fire and Ambulance Services Education Centre cum Museum, a National Security Education cum Resource Centre, lecture rooms, an auditorium, a multi-purpose hall, computer rooms, a mock court, a press interview room, a press conference room, law enforcement interview rooms, simulated dangerous goods stores, ambulance practical training rooms, a room that simulates a hospital's Accident & Emergency (A&E) Department, and a disinfection room. The FASA campus also features physical training facilities, including a physical training complex with gymnasium, an aquatic rescue pool, an outdoor physical training ground, an adventure challenge course, and a jogging track.



# Specialized Training Facilities

## Training Facilities Directory

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1. Burn House
2. Rescue Training Tower
3. Ambulance Service Training
4. Compartment Fire Behaviour Training
5. Traffic Incident Training
6. Fuel Tank and Petrol Filling Station Incident Training
7. Aquatic Incident Training
8. Aircraft Incident Training
9. Hazardous Materials Incident Training
10. Urban Search and Rescue Training
11. High Angle Rescue Training
12. Driving Training
13. Fire Service Installations Training



# 1

## TRAINING FACILITIES

### Specialized Training Facilities .....

The specialized training facilities are designed mainly to train fire and ambulance personnel for handling major emergencies of a more complex nature that may occur in Hong Kong. These include incidents involving buildings, transportation, marine and water environments, gas plants, aircraft, hazardous materials and structural collapse - scenarios which can possibly lead to more serious and widespread impacts. The specialized training facilities provide a safe and simulated setting where fire and ambulance personnel can receive realistic hands-on training. This enables them to hone their firefighting and rescue techniques, thereby enhancing operational efficiency.

**Aircraft Incident Training**



**Compartment Fire Behaviour Training**



**High Angle Rescue Training**



**Urban Search and Rescue Training**



**Aquatic Incident Training**



**Ambulance Services Training**



Fuel Tank  
Incident Training



Traffic Incident Training



Petrol Filling  
Satation  
Incident Training



Driving Training



Rescue Training Tower



Hazardous Materials  
Training



Burn House





# Training Facilities directory .....

## *1 Burn House*

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The diverse nature of building materials, floor layouts, furnishings, and stored contents within various types of buildings poses significant challenges for firefighters in carrying out their duties. To address this, advanced indoor live-fire training facilities are provided at FASA to enhance firefighters' capabilities in handling diverse fire incidents. The Burn House, designed based on previous fire incidents, simulates a range of indoor fire scenarios in various settings, including sub-divided units of old buildings, hotels, industrial buildings and karaoke establishments. This simulation exposes trainees to vivid live fires, high temperatures, audio effects and smoke, enabling them to develop more effective firefighting and rescue techniques in a safe and controlled environment.







## *2 Rescue Training Tower*

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Amid the ubiquity of high-rise buildings across Hong Kong, the FSD is committed to preparing its personnel for emergencies that may occur in such buildings. The Rescue Training Tower, which is a ten-storey building, simulates a variety of settings on its floors and facade, including a shopping centre, old residential building, public housing estate, factory and curtain walled commercial building. There is also a simulation of the scenario of persons being trapped in a lift. This allows fire and ambulance personnel to practice the strategies and techniques for firefighting, rescue and casualty management in various kinds of high-rise buildings. These simulation facilities also facilitate the specialized training of the Department's High Angle Rescue Team.





### 3 Ambulance Services Training

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The ambulance services training facilities at FASA are conveniently located in one area. This arrangement offers ambulance personnel the opportunity to experience a comprehensive simulated process that mirrors real ambulance operations, starting from responding to an ambulance call, conducting patient assessment, administering medical treatment, handing over the patient to hospital staff, to performing disinfection procedures.

During the comprehensive training process, trainees first receive a call while inside the Simulated Ambulance Compartment. They then proceed to unload the necessary equipment, and bring it to the simulated incident scene in the Syndicate Room. There, they provide medical treatment to the patient according to the Patient Assessment Model. The patient is then transported on a stretcher back to the Simulated Ambulance Compartment, where further treatment, stabilization, intervention and examination take place. Finally, the patient is conveyed to the A&E Department Simulation Room, where trainees practice the procedures of handing over the patient to medical staff. The training also includes practicing disinfection procedures in the Disinfection Simulation Room.

The simulated A&E Department Simulation Room replicates the hospital environment, which can provide ambulance personnel with effective training on the handover procedures. Handling patients with infectious diseases poses significant risks to ambulance personnel. The Disinfection Room provides a realistic setting for them to practice the disinfection procedures.



## ***4 Compartment Fire Behaviour Training***

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Firefighters battle various types of building fires and inevitably face the extreme threats of flashovers and backdraughts during indoor firefighting operations. The multi-storey Compartment Fire Behaviour Training (CFBT) facility simulates the effects of ventilation, flashover and backdraughts, and the training helps enhance the response capabilities and readiness of firefighters who work under extreme heat and smoke-filled conditions.

### **CFBT Simulator**

The CFBT simulator is a three-storey structure constructed from 19 standard 40-foot freight containers. The simulator features four fire zones on the ground floor, where carbonaceous fuel (chipboards) is burnt. Besides, thermocouples are installed at various monitoring points to measure and record the temperature during the training exercises. The hot smoke generated from the fire zones can be diverted to the first and second floor through hatches, allowing trainees to practice various search, rescue and ventilation strategies under different fire scenarios. This training aims to improve the safety and efficiency of firefighters when they are working under extreme circumstances.

### **Backdraught Demonstration Unit**

This is a six-metre-long structure with fire-resistant lining and a temperature monitoring system. It is used to demonstrate fire progression and extreme fire behaviour. Trainees can observe the various stages of fire development, as well as the signs and symptoms of extreme fire behaviours, such as flashovers and backdraughts, from a safe distance.

### **Garage Training Unit**

This is a two-storey structure constructed from 10 standard 40-foot freight containers. It replicates a realistic garage environment, complete with machinery, an authentic vehicle, and office space. The unit is connected to the Backdraught Demonstration Unit, sharing the same fire zones. This integration allows for a comprehensive training experience that combines the simulation of extreme fire behaviours, such as flashovers and backdraughts, with practical scenarios in a garage setting.



The background image shows a large, dimly lit tunnel with a high ceiling. On the left, a group of firefighters in full gear are gathered around a silver car. In the center, a white van is overturned on its side. Various emergency equipment, including tools and a fire extinguisher, are scattered on the floor. The right side of the image is partially obscured by a large, semi-transparent red circular graphic.

## ***5 Traffic Incident Training***

### **Simulations of Railway Station and Train Tunnel**

The railway network in Hong Kong comprises numerous underground stations and tunnels. Given the high volume of daily commuters, any incident inside an underground railway station or train tunnel may result in significant loss of life and property. The simulated railway station and train tunnel provide a realistic environment for fire and ambulance personnel to practice operational procedures, evacuation strategies, firefighting techniques and multiple casualty management during large-scale railway emergencies and train fires.

### **Simulations of Road Tunnel and Highway**

The roads in Hong Kong are among the world's busiest, integrated into an extensive network of road tunnels and highways. Given the heavy traffic, any incident inside a road tunnel or on a highway may result in significant loss of life and property. The simulated road tunnel and highway provide a realistic environment for fire and ambulance personnel to practice rescue techniques such as extrication, vehicle stabilization and multiple casualty management during large-scale road traffic accidents involving heavy vehicles, buses, private cars or oil tankers.



## ***6 Fuel Tank and Petrol Filling Station Incident Training***

Incidents like fires and oil spills may occur at oil depots. If handled improperly, the consequences could be disastrous. The oil tank simulator allows firefighters to experience the scenarios they may face in an oil tank fire, and strengthen their skills for battling them. Besides, there are a lot of huge LPG tanks in Hong Kong. In the event of fire, the resultant rapid increase of pressure inside the tanks may lead to tank rupture, gas leakage or explosion. The LPG tank simulator provides an opportunity for firefighters to practice the proper strategies and techniques for combating fires involving LPG tanks.

There are numerous fuel and LPG filling stations in Hong Kong, and many of them are located in densely populated areas. Any incident involving a filling station may pose serious threat to human life and property. The fuel and LPG filling station simulators can strengthen training on firefighting, rescue and multiple casualty management for incidents involving filling stations.





## *7 Aquatic Incident Training*

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### **Simulation of Vessel Fire**

The interior environments and structures of ships differ significantly from those of buildings, posing unique challenges for firefighters when performing firefighting and rescue duties aboard vessels. The vessel fire simulator emulates a four-deck ship. The lowest deck is modeled after a cargo ship while the upper three decks a cruise liner. There are a number of compartments on this mock-up for live-fire training, including a simulated passenger cabin, engine room and heated oil pipeline.

### **Simulation of Swift Water Rescue**

Hong Kong has experienced many devastating flooding incidents in the past, with the sporadic occurrence of swift streams of floodwater endangering human life. The swift water rescue simulator replicates an outdoor river channel, encircling the vessel fire simulator. By generating artificial swift water effects, it can create realistic scenarios for the training of the techniques and response capabilities required for swift water rescue operations.





## ***8 Aircraft Incident Training***

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Aircraft incidents may result in multiple casualties, and they may occur in places other than the airport. Given the specialized firefighting and rescue techniques required for such incidents, an aircraft fire simulator is provided at FASA. It features replicas of various aircraft models, including the Airbus A380 and Boeing B767, allowing firefighters, ambulance personnel as well as members of the Mobilizing and Communications Group to practice the operational procedures, evacuation strategies and firefighting techniques in a realistic setting, which can enhance their response capabilities.





## 9 Hazardous Materials Incident Training

Incidents involving hazardous materials (HazMat) may threaten the health and safety of the community. While Hong Kong has legislation to regulate the manufacture, conveyance and storage of hazardous substances such as chemicals and radioactive materials, the FSD remains vigilant, striving to strengthen its personnel's preparedness to respond to such emergencies. Effective handling of HazMat incidents requires specialized knowledge, techniques, tools and training. To enhance its HazMat response capabilities, the FSD has set up a HazMat Team. The simulated HazMat training area consists of a simulated gas leakage chamber, a HazMat laboratory, a dangerous goods store, a chlorine store, and other facilities. Within the realistic training environment, members of the HazMat Team or other trainees can practice implementing operational strategies, using various detection devices and protective equipment, and applying sealing and decontamination techniques.



The background of the page is a composite image. On the left, there is a faded, high-angle view of a multi-story building that has been partially demolished, leaving a skeletal frame of concrete and steel. On the right, there is a red-tinted photograph showing several rescue workers in full protective gear, including helmets and reflective vests, working on a pile of rubble. They appear to be using tools to clear debris. The overall design features a large, semi-circular red graphic element that frames the text on the right side.

## *10 Urban Search and Rescue Training*

The Urban Search and Rescue Training Ground is dedicated to the training of the Department's Disaster Response and Rescue Team (DRRT). The main duty of DRRT is to search and rescue victims trapped or buried underneath the rubble following structural collapse, landslides or other major incidents that occur inside or outside Hong Kong. The training ground simulates building collapse scenarios, allowing trainees to practice search and rescue operations under adverse circumstances. It also features an underground concrete conduit, which provides a realistic yet safe environment for trainees to hone their rescue and casualty management skills.







## ***11 High Angle Rescue Training***

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The Technical Rescue Training Area is dedicated to the training of the Department's High Angle Rescue Team (HART). The main duty of HART is to carry out rescue operations in high-angle environments, such as cable cars, tower cranes, bridge towers, scaffoldings at construction sites, and suspended working platforms of high-rise buildings. The training area provides a range of high-angle training facilities, which include a HAR tower, a simulated tower crane and a simulated cable car system, to equip trainees with HAR techniques for handling various scenarios.

## ***12 Driving Training***

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The FSD has set pledged response times for emergencies. In built-up areas, the pledged response time for building fire calls is 6 minutes, while in areas of dispersed risks and isolated developments, it is 9 to 23 minutes. For emergency ambulance service, the target response time is 12 minutes. To meet these response time commitments, especially in Hong Kong's densely populated environment, the Department attaches great importance to emergency driving training, with a strong emphasis on the safe control of fire appliances and ambulances. The Driving Training Centre at FASA provides an advanced driving simulator and a designated training ground for emergency driving training. Besides, the road network inside the FASA campus is designed to simulate the real driving environment in Hong Kong for driving training purpose.







## 13 Fire Service Installations Training

FASA offers training related to fire service installations (FSI) and has installed a set of FSI dedicated for this purpose. The training curriculum covers a range of topics from elementary to advanced levels, and includes both theoretical and practical elements. For example, members from the operational Commands receive training on remedial actions for defective FSI, while members from the two fire protection Commands are provided with advanced training covering FSI performance testing and inspection, as well as relevant criminal investigation. Through FSI training, they can equip themselves with the necessary technical knowledge and skills to effectively carry out their duties associated with FSI.



# 2

## SPECIALIZED TRAINING PROGRAMMES

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### **A Airport Firefighting Training Programmes**

- Airport Firefighter Course
- Airport Fire Officer Course

### **B Ambulance Services Training Programmes**

- Basic Ambulance Aid Training Course
- Advanced Ambulance Aid Training at First Responder Level for Firefighters
- First Responder Supervisory Course
- Professional Diploma in Paramedicine
- Continuing Medical Education Course
- Integrated Advanced Skill Paramedic (IASP) Training Course
- Pre-hospital Ultrasound Training Course
- AED Instructor Training Course
- Rescue Support Paramedic (RSP) Train-the-Trainer Course
- Rescue Support Paramedic (RSP) Training Course
- Rapid Response Vehicle Riders Training Course
- Wilderness Paramedic Skill and Mountaineering Training Cours

### **C Compartment Fire Behaviour Training (CFBT) Programmes**

- CFBT - Induction Course
- CFBT - Enhancement Course
- CFBT - Supervisory Course
- Compartment Fire Attacker (CFA) Course
- CFBT - Instructor Course
- CFBT Course for Organizations outside Hong Kong
- High-rise Building Firefighting Course for Organizations outside Hong Kong

### **D Disaster Response and Rescue Training Programmes**

- Urban Search and Rescue Training Course for Disaster Response and Rescue Team (DRRT) Members
- Urban Search and Rescue Training Course for Organizations outside Hong Kong
- Road Crash Rescue (RCR) Basic Training
- Road and Railway Rescue Training Course
- Road and Railway Rescue Training Course for Organizations outside Hong Kong



## ***E Diving and Aquatic Rescue Training Programmes***

- Professional Certificate in SCUBA Rescue Diver Training Course
- Advanced Rescue Diver (ARD) Training Course
- Diving Supervisor Course (DSC)
- Compression Chamber Operator (CCO) Training Course
- Compression Chamber Supervisor (CCS) Course
- Basic Life-saving Training Course
- Life-saving (Aquatic First Aid) Training Course
- Life-saving (Pool Lifeguard) Training Course
- Personal Survival Training Course
- Swiftwater and Flood Rescue – Basic Swiftwater Rescue Training Course (BSWR)
- Swiftwater and Flood Rescue - Water Survival and Flood Awareness Training Course (AW)
- Swiftwater and Flood Rescue - Flood Operator (FO) Training Course
- Swiftwater and Flood Rescue - Swiftwater and Flood First Responder Training Course (SFR)
- Swiftwater and Flood Rescue - Professional Certificate in Swiftwater and Flood Rescue Technician Course (SFRT)
- Swiftwater and Flood Rescue - Swiftwater and Flood Rescue Technician Advanced (SFRT-A) Training Course

## ***F Fire Engineering Training Programmes***

- 3-day Advanced Fire Engineering Training Course

## ***G Fire Investigation Training Programmes***

- Basic Fire Investigation Training Course
- Advanced Fire Investigation Training Course

## ***H Foot Drill and Ceremonial Duties Training Programmes***

- 10-day Basic Foot Drill Training Course
- 10-day Advanced Foot Drill Training Course
- 5-day Guard of Honour Trainer Training Course

## ***I Hazardous Materials (HazMat) Training Programmes***

- 1-day HazMat (Awareness) Training Course
- 10-day HazMat (Technician) Training Course

## ***J High Angle Rescue Training Programmes***

- Cable Car Rescue Training Course
- High Angle Rescue Team (HART) Initial Training Course
- Advanced High Angle Rescue (HAR) Training Course for Organizations outside Hong Kong
- Mountain Search and Rescue Team (MSRT) Initial Training Course

## ***K Marine Firefighting Training Programmes***

- 1-day Marine Firefighting and Rescue Training Course
- 5-day Marine Firefighting and Rescue Course

## ***L Fire Service Installation and Equipment (FSI) Training Programmes***

- Advanced FSI training for NCOs of Operational Commands

# 2

## SPECIALIZED TRAINING PROGRAMMES

### A Airport Firefighting Training Programmes

#### *Airport Firefighter Course*

The course is designed to provide participants with the fundamentals of aerodrome rescue and firefighting (ARFF). Participants will acquire fundamental knowledge of ARFF, understand the principles of the Incident Command System, and be able to state the tactics, techniques and actions required for dealing with a variety of aircraft accidents/incidents. Upon completion of the course, participants

will become operationally ready to perform the duties of ARFF and be familiarized with the Airport Fire Station's day-to-day operation.



**Duration: 10 days (Training Hours: 88 hours)**



A large aircraft engine is mounted on a test cell. Bright orange flames are visible from the engine's intake. Water is being sprayed from multiple nozzles, creating a large mist. The engine is supported by a metal structure. The background shows a building with windows.

## ***Airport Fire Officer Course***

The course is designed to provide professional ARFF knowledge and in-depth training for airport firefighters, particularly the managerial staff. It covers a wide range of topics, including theories, principles and advanced ARFF skills to cope with airport emergencies, as well as the commanding and strategic management of ARFF services. Upon completion of the course, participants will become operationally ready Fire Officers with expertise in providing effective fire station management support.

**Duration: 5 days (Training Hours: 44 hours)**



# **B** Ambulance Services Training Programmes.....

## ***Basic Ambulance Aid Training Course***

The course is designed to equip participants with the requisite knowledge and skills to carry out immediate lifesaving procedures with the use of basic ambulance equipment. The course comprises lectures on basic patient care, practical skill stations and realistic simulation training. Upon completion of the course, participants will be able to perform patient assessment, provide basic airway management, perform cardiopulmonary resuscitation (CPR), use automated external defibrillators (AED), provide supplemental oxygen therapy and provide basic trauma care.

**Duration: 5 days (Training Hours: 44 hours)**





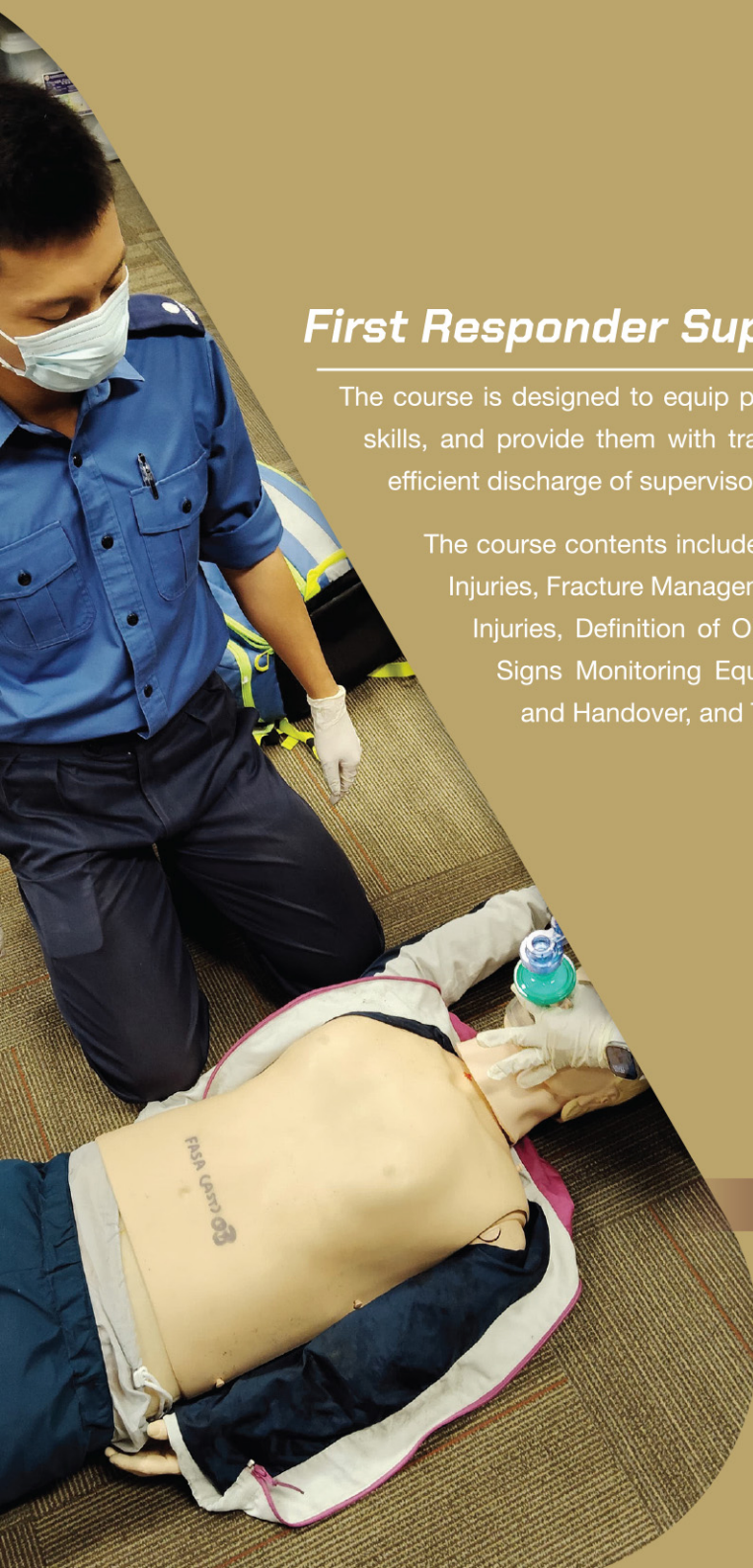
## ***Advanced Ambulance Aid Training at First Responder Level for Firefighters***

The course is designed to equip participants with the knowledge and skills to sustain life, prevent further deterioration to the existing injuries and provide basic life care to the sick and injured prior to the arrival of ambulance personnel. The course comprises lectures on advanced patient care,

practical skill stations, realistic simulation training (involving handover of a patient to ambulance personnel) and the handling of multiple casualty incidents. Upon completion of the course, participants will be able to perform resuscitation, treat patients sustaining traumatic injuries (including soft tissue, fracture and spinal injuries), provide supplemental oxygen therapy and provide basic life care for patients with medical emergency. They will also be able to monitor patients' condition and prepare documentation for handover purposes. Participants will be required to attend a 1-day (Training Hours: 8 hours 48 mins) recertification course every 5 years.

**Duration: 6 days (Training Hours: 52 hours 48 mins)**





## ***First Responder Supervisory Course***

The course is designed to equip participants with advanced ambulance aid knowledge and skills, and provide them with training in the use of ambulance equipment to ensure the efficient discharge of supervisory duties.

The course contents include: Airway Management, CPR, AED, Management of Spinal Injuries, Fracture Management, Trauma, Maternity, Medical Emergencies, Soft Tissue Injuries, Definition of Obviously Dead Patients, Patient Assessment Model, Vital Signs Monitoring Equipment, Handling of Infectious Patients, Documentation and Handover, and Triage and Disaster Management.

**Duration: 3 days (Training Hours: 26 hours 24 mins)**



# Professional Diploma in Paramedicine



The course is designed to equip participants with the essential knowledge and skills to become a Paramedic Supervisor.

The course contents include: Abdominal Disorders, Abdominal and Genitourinary Trauma, AED Recertification (Automated External Defibrillation Protocol), Airway Management (Laryngeal Mask Airway Supreme), Alcoholism, Allergies/Anaphylaxis (Basic Anaphylaxis Protocol), Cardiovascular Emergencies (Cardiac Chest Pain Protocol), Chest Trauma, Continuing Medical Education, Diabetic Emergencies (Glycemia Protocol), Disaster Management, Documentation, Drowning, Drug Abuse and Overdose (Suspected Narcotic Overdose Protocol), Electrocardio-graphic Interpretation, Environmental Emergencies, Geriatrics, Infection Control, Infection/Sepsis, Injuries to Head, Facial, Neck and Spine, Intravenous Initiation Skills, Kinematics of Trauma, Neonatal Emergencies, Neurological Emergencies (Paediatric and Adult Convulsion Protocol), Obstetrics Emergencies, Obviously Dead Patient, Orthopedic Trauma, Paediatric Emergencies, Pain Management (Penthrox and Tramadol Protocol), Paramedic Service Quality Assurance System, Poisoning (Activated Charcoal Protocol), Pharmacology, Psychiatric Emergencies (Suspected Excited Delirium Syndrome Protocol), Renal emergencies, Respiratory Emergencies (Respiratory Protocol), Shock (Hypovolemia Protocol), Stress Management, Toxicology, Trauma Diversion, and Unconscious Patients. Participants who have completed the entire course will be granted the qualification equivalent to Level 4 in Generic Level Descriptors. Participants will be required to attend a 10-day (Training Hours: 88 hours) recertification course every 3 years.

**Duration: 22 weeks (Training Hours: 545.5 hours) (including a 2-weeks Paramedic Core Skill Workshop, 8-week Paramedic Training Course, 1-week hospital attachment, 1-week ambulance attachment and 10-week self-study)**





## ***Continuing Medical Education Course***

The course is designed to familiarize paramedics with the latest paramedic developments in protocols, drug administration, clinical skills and new equipment utilization.

The course aims to ensure that paramedics keep up to date with the evolving standards and best practices in the field of paramedic care. The course contents may vary from time to time (based on the latest paramedic development).

**Duration: 1 day (Training Hours: 8 hours 48 mins)**

## ***Integrated Advanced Skill Paramedic (IASP) Training Course***

The course is designed to equip participants with the knowledge and skills to manage anaphylaxis patients with the use of adrenaline auto-injector, manage the airway of cardiac arrest patients (traumatic or non-traumatic) with the use of Combitube, manage foreign body airway obstruction (FBAO) patients with the use of direct laryngoscope (DL) or video laryngoscope (VL), and manage cardiac arrest patients with the use of adrenaline via IV/IO. Participants will be required to attend a 1-day (Training Hours: 8 hours 48 mins) recertification course every 6 months.

**Duration: 5 days (Training Hours: 44 hours)**



## ***Pre-hospital Ultrasound Training Course***

The course is designed to equip Rapid Response Vehicle (RRV) riders with ultrasound diagnosing knowledge and skills to enhance pre-hospital care for trauma patients.

The course contents include: Anatomy of Internal Organs, Lecture on Ultrasound Knobology and Physics, and Focused Assessment with Sonography for Trauma in the Pre-hospital Setting.

**Duration: 1-day workshop and 1-day hospital attachment  
(Training Hours: 17 hours 36 mins) (Excluding 2-week self-study)**

## ***AED Instructor Training Course***

The course is designed to refresh participants' knowledge of the circulatory system, CPR, airway obstruction management and the use of AEDs, and equip them with the teaching and assessment skills essential for the efficient discharge of their duties as AED instructors.

The course contents include: American Heart Association Guidelines, Chain of Survival, the Circulatory System, CPR Knowledge and Skills, Introduction to Left Ventricular Assist Devices, Methods of Instructions, Presentation on AED Protocol, Trial Assessment on the Use of AED, and Electrocardio-graphic Revision.

**Duration: 2 days (Training Hours: 17 hours 36 mins)  
(1-day lecture and 1-day assessment)**



## ***Rescue Support Paramedic (RSP) Train-the-Trainer Course***

The course is designed to equip participants with the knowledge and skills to deliver the Rescue Support Paramedic (RSP) Training Course.

The course contents include: Introduction to RSP, MSRT, DRRT and RRRT Operations, Risk Assessments, Basic Mountain Rescue Techniques, Road Traffic Accident Rescue Techniques, and Occupational Safety and Health at Scene.



**Duration: 5 days (Training Hours: 44 hours)**



## ***Rescue Support Paramedic (RSP) Training Course***

The course is designed to enhance the operational safety and efficiency of special rescue operations.



The course contents include: Introduction to RSP, MSRT, DRRT and RRRT Operations, Risk Assessments, Basic Mountain Rescue Techniques, Road Traffic Accident Rescue Techniques, and Occupational Safety and Health at Scene. Participants will be required to attend a 2-day (Training Hours: 17 hours 36 mins) recertification course every 5 years.

**Duration: 5 days (Training Hours: 44 hours)**

# ***Rapid Response Vehicle Riders Training Course***

The course is designed to equip RRV riders with the knowledge, skills and professional values essential for the efficient discharge of their duties.

The course contents include: Introduction to the RRV Scheme, Duties and Responsibilities of an RRV Rider, Introduction to RRV Driver's Guide, the Use of Capnography, the Use of the Paramedic Services Quality Assurance System and Field Audit Report, Introduction to Boundary Control Points, the Use of Communication Codes and Standard Messages, and Road Traffic Accident Rescue Technique.



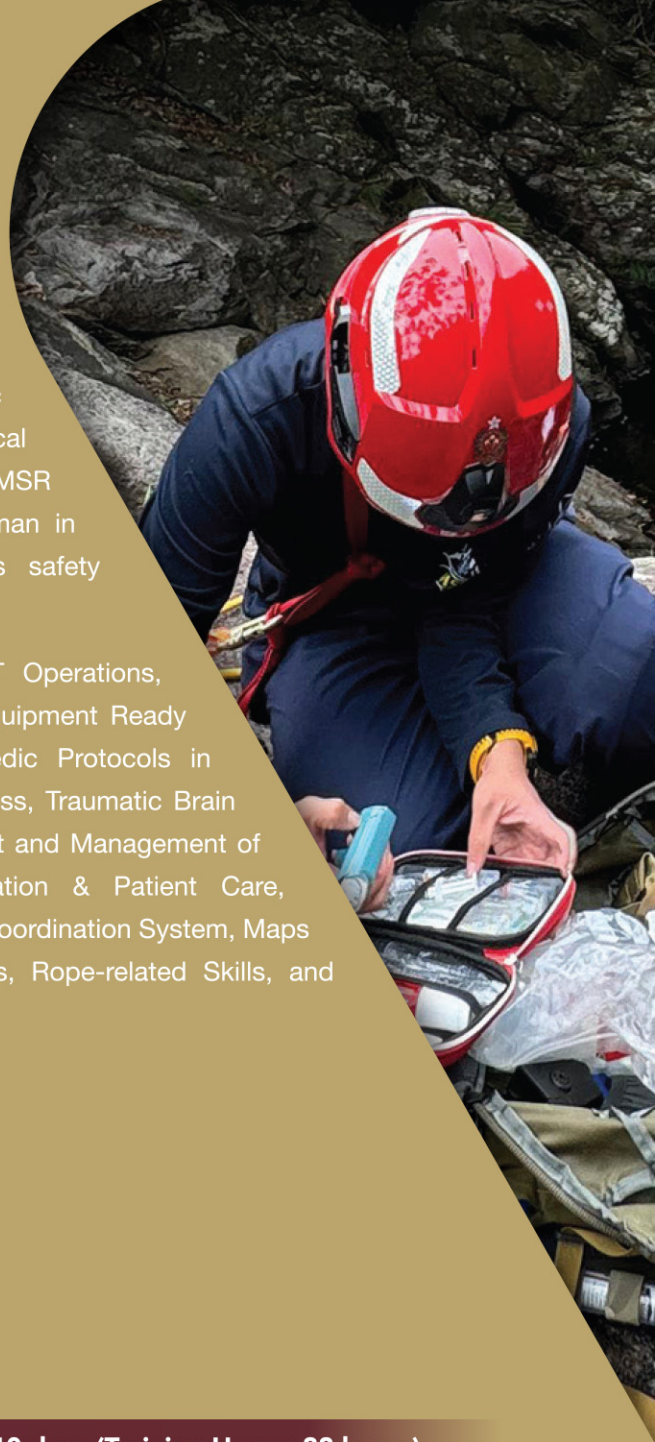
**Duration: 3 days (Training Hours: 26 hours 24 mins)**  
**(1-day lecture and 2-day on-car attachment)**



## *Wilderness Paramedic Skill and Mountaineering Training Course*

The course is designed to provide initial training for paramedic (MSR) members and equip them with wilderness emergency medical management and mountaineering knowledge and skills to perform MSR operations in mountainous terrain, supervise other ambulanceman in carrying out MSR operation, and enhance their wilderness safety awareness.

The course contents include: Introduction to MSRT & HART Operations, Introduction to MSR Paramedic Equipment, MSR Paramedic Equipment Ready Packs and Personal Equipment, Patient Assessment Paramedic Protocols in Wilderness, Wilderness Scene Management and Safety Awareness, Traumatic Brain Injury, Suspension Trauma and Crush Syndrome, the Assessment and Management of Ankle Injury in Mountain Rescue, Transportation Consideration & Patient Care, Consideration of Wilderness Treatment & Cooperation with GFS, Coordination System, Maps Compasses and Navigation, GPS / Mobile Apps for Rescuers, Rope-related Skills, and Maneuvering in Different Terrains.



**Duration: 10 days (Training Hours: 88 hours)**



# C Compartment Fire Behaviour Training (CFBT) Programmes .....

## *CFBT - Induction Course*

The course is designed to provide basic training for new recruits in compartment fire behaviour, and equip them with the knowledge and skills to tackle compartment fires and carry out rescue operations in a safe and effective manner.



**Duration: 7 days**  
**(Training Hours: 61 hours 30 mins)**



## ***CFBT - Enhancement Course***

The course is designed for firefighters who have completed the CFBT Induction Course. Its purpose is to enhance their knowledge and techniques in order to ensure safe and effective operations when dealing with compartment fires in various scenarios.

**Duration: 1 day (Training Hours: 8 hours 48 mins)**

## ***CFBT - Supervisory Course***

The course is designed to provide training for station officers who have completed the CFBT Induction Course. Its purpose is to enhance their leadership skills as well as their knowledge of compartment firefighting, dynamic risk assessments and ventilation strategies.

**Duration: 5 days (Training Hours: 44 hours )**



## *Compartment Fire Attacker (CFA) Course*

The course is designed for a selected group of firefighters with advanced expertise in compartment firefighting who will assume leadership roles in frontline firefighting operations. Its purpose is to develop the tactical leadership skills and advanced firefighting skills of participants, enabling them to effectively lead frontline firefighting crews in handling compartment fires and conducting successful rescue operations. Participants who have completed the entire course will be granted the qualification equivalent to Level 4 in Generic Level Descriptors. Participants will be required to attend a 3-day (Training Hours: 19 hours 30 mins) revalidation course every 5 years.



**Duration: 10 days (Training Hours: 88 hours)**



## ***CFBT - Instructor Course***

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The course is designed to provide qualification training for fire officers responsible for the delivery of Compartment Fire Behaviour Training to operational firefighters. Participants should have completed the CFBT Induction Course, with preference given to those possessing the CFA qualification. Upon completion of the course, participants will become qualified CFBT instructors capable of delivering a range of CFBT courses.

**Duration: 15 days (Training Hours: 132 hours)**

## ***CFBT Course for Organizations outside Hong Kong***

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The course is designed to provide state-of-the-art training in compartment fire behaviour for firefighters. Not only will it help them understand the complex fire environment by providing a sound theoretical basis, but it will also enable them to perform swiftly in firefighting operations with their improved nozzle techniques and hose management skills. Live fire training offers them opportunities to put their skills into practice and identify areas for improvement. During the course, participants will be able to exercise professional judgement (based on theories) and act upon professional judgement (based on practical skills) in a safe and consistent environment.



**Duration: 5 days (Training Hours: 44 hours)**



# *High-rise Building Firefighting Course for Organizations outside Hong Kong*

The course is designed to impart knowledge of operational strategies for tackling high-rise fires. It covers design of high-rise building, regulatory framework for fire prevention, fire science, modern fire dynamics, extreme fire behavior, deployment and operational tactics in high-rise firefighting, operation of fire service installations for high-rise buildings, etc. Participants will be able to gain knowledge in high-rise buildings and learn about the specific features, enabling them to understand the unique modern challenges that firefighters face and the various operational plans to overcome difficulties in high-rise fires. In-depth lectures and demonstrations in respect of remedial actions in the event of defective fire service installations and the fire engineering approach for special high-rise projects will be delivered. Tactical visit will also be arranged to allow participants to understand technical aspects and practical applications of fire service installations.



**Duration: 5 days (Training Hours: 44 hours)**



# D Disaster Response and Rescue Training.....

## *Urban Search and Rescue Training Course for Disaster Response and Rescue Team (DRRT) Members*

The course is designed to provide comprehensive training for DRRT members, equipping them with the necessary knowledge and skills to perform urban search and rescue operations. Participants will delve into topics specific to urban search and rescue operations, such as the introduction of the International Search and Rescue Advisory Group (INSARAG), procedures of deployment outside Hong Kong, sector assessment and worksite triage, technical searching operations, shoring and stabilization techniques, rope rescue operations, penetration of steel reinforced concrete, heavy lifting methods and casualty management. After the completion of the above skill trainings, the course concludes with a 36-hour exercise involving mobilization procedures, logistic arrangements, management of the base of operations, and different rescue scenarios.



**Duration: 25 days (Training Hours: 220 hours)**

## ***Urban Search and Rescue Course for Organizations outside Hong Kong***

The course is designed to equip participants with the techniques and tactics to carry out urban search and rescue operations. Training in search and rescue operations under adverse circumstances takes place at FASA's dedicated urban search and rescue training ground where different disastrous building collapse scenarios, can be simulated. The underground concrete conduits in the training ground enable the participants to conduct rescue operation training in a realistic but safe and confined space. With the aid of these comprehensive training facilities, participants can acquire the knowledge and skills in technical searching, shoring and stabilization, rope rescue, breaching, casualty management, etc.



**Duration: 5 days (Training Hours: 44 hours)**



## ***Road Crash Rescue (RCR) Basic Training***

The course is designed to provide basic training for all fire personnel to equip them with the knowledge and skills to perform road crash rescue. The course covers a range of essential topics, starting with an introduction to road crash rescue operations, as well as the structure and features of different types of vehicles. Upon completion of the course, participants will be equipped with the necessary skills and knowledge to perform the six stages of extrication, including safety and risk assessment, stabilization of vehicle on wheels and vehicle on side, glass management, space creation, full access, and patient immobilization and extrication.



**Duration: 5 days (Training Hours: 44 hours)**

## Road and Railway Rescue Training Course

The course aims to provide specialized training for RRRT members, equipping them with the necessary knowledge and skills to perform road and railway rescue operations effectively while enhancing operational safety and efficiency. The course starts with a review and consolidation of the contents covered in Road Crash Rescue Basic Training to ensure a strong foundation. Participants will progress to learn advanced techniques specific to complicated scenarios, including: stabilization of vehicle on roof and heavy vehicle; relocation of overturned and roofed vehicles; lifting and cribbing methods; dashboard roll and lift techniques; different roof removal techniques; extrication of patients from heavy vehicles and double decker; and stabilization, lifting, cribbing, and relocation methods for railway carriages. By the end of the course, participants will become qualified RRRT members to handle serious and complicated road and railway accidents.



**Duration: 10 days (Training Hours: 88 hours)**



## *Road and Railway Rescue Training Course for Organizations outside Hong Kong*

This course is designed to equip participants with the techniques and tactics to carry out road and railway rescue operations. The simulated road tunnel, highways and railway station available at FASA offer a realistic environment for practicing large-scale road traffic accident scenarios involving private vehicles, heavy vehicles, double-decker buses, oil tankers and railway carriages. Firefighters and paramedics can utilize these facilities to practice rescue techniques in extrication, vehicle stabilization and mass casualty handling.



Duration: 5 days (Training Hours: 44 hours)



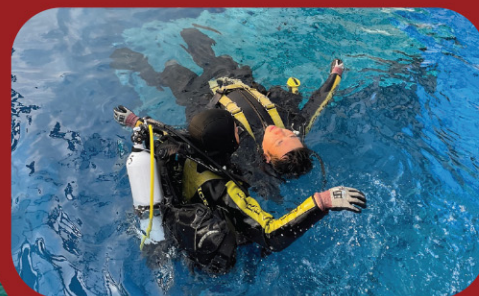


# E Diving and Aquatic Rescue Training Programmes.....

## *Professional Certificate in SCUBA Rescue Diver Training Course*

The course is designed to give participants a solid understanding of diving physiology, diving physics, decompression illness, the use of diving equipment, diving tables and the related emergency procedures, underwater diving skills, risk management, underwater communication, search and rescue techniques, diving equipment maintenance, the use of air compressors and the charging of SCUBA tanks. The course comprises theoretical lectures and practical training, enabling participants to practice their newly acquired knowledge and skills in a safe and controllable environment. Participants who pass the course-end-examination will become a Rescue Diver capable of carrying out underwater works as well as search and rescue operations safely and efficiently to a maximum depth of 25 meters in open water. Participants who have completed the entire course will be granted the qualification equivalent to Level 4 in Generic Level Descriptors.

**Duration: 20 days (Training Hours: 180 hours)**





## *Advanced Rescue Diver (ARD) Training Course*

The course is designed to provide enhanced training for experienced SCUBA Rescue Divers so that they can carry out underwater search and rescue duties, including penetration diving at a maximum depth of 50 metres. Upon completion of the course, participants will have acquired the knowledge of the use of advanced diving equipment, including surface supply diving equipment (SSDE), diving helmets, underwater break-in tools and dry suits. They will also be able to plan and carry out diving and decompression procedures by using the dive table.



**Duration: 20 days (Training Hours: 160 hours)**

## *Diving Supervisor Course (DSC)*

The course is designed to enrich the diving-related academic knowledge of experienced ARDs, and to enhance their supervisory capabilities in diving training and operations. Upon completion of the course, participants will be well equipped for carrying out command and control duties in diving operations. They will also understand the importance of diving safety, operational precautions and the procedures for handling different situations.



**Duration: 10 days (Training Hours: 80 hours)**



## ***Compression Chamber Operator (CCO) Training Course***

The course is designed to train participants with basic diving knowledge to become competent Compression Chamber Operators. Upon completion of the course, participants will have acquired the knowledge of diving physics, diving physiology, diving maladies as well as the use of different kinds of compression chambers, the use of diving treatment tables and relevant chamber procedures. They will also understand the limitations and potential hazards in chamber operations.

**Duration: 15 days (Training Hours: 120 hours)**

## ***Compression Chamber Supervisor (CCS) Course***

The course is designed to enrich experienced CCOs' academic knowledge of compression chamber operations; enhance their capabilities in supervising hyperbaric oxygen therapy for decompression illness/sickness; and increase their competence in monitoring surface decompression procedures for diving operations. Upon completion of the course, participants will be well equipped for carrying out command and control duties in chamber operations. They will also understand the importance of chamber safety, operational safety precautions as well as relevant handling procedures.

**Duration: 10 days (Training Hours: 80 hours)**



## ***Basic Life-saving Training Course***

The course is designed to provide Service members with foundation training on life-saving, which will cover basic aquatic rescue knowledge and techniques as well as the skill in making judgements. Upon completion of the course, participants will have attained a good level of physical fitness.

**Duration: 10 days (Training Hours: 80 hours)**

## ***Life-saving (Aquatic First Aid) Training Course***

The course is designed to equip participants with the knowledge of aquatic first aid. Upon completion of the course, participants will be able to use rescue equipment correctly to save drowning casualties.

**Duration: 3.5 days (Training Hours: 28 hours)**

## ***Life-saving (Pool Lifeguard) Training Course***

The course is designed to equip participants with the ability to protect life and promote safety at swimming pools. The certificate awarded upon completion of the course is a basic requirement for being a lifeguard at public swimming pools.



**Duration: 3.5 days (Training Hours: 28 hours)**



## ***Aquatic Self Rescue Training Course (ASRT)***

The course is designed to provide participants with the knowledge of the safe methods of water entry from height. The Heat Escape Lessening Posture (HELP) will also be introduced. In addition, participants will learn the survival skills for immersion in water with a full firefighting kit, and the use of improvised floatation aids.

**Duration: 0.5 day (Training Hours: 3 hours 30 mins)**

## ***Swiftwater and Flood Rescue – Basic Swiftwater Rescue Training Course (BSWR)***

The course is designed to provide participants with the knowledge of using personal flotation device (PFD) and survival skills in swiftwater. They will be capable of performing rescue duties in both surface water and swiftwater with the use of different rescue aids. Upon completion of the course, participants will be able to recover a capsized inflatable boat to the upright position on their own.

**Duration: 1 day (Training Hours: 7 hours)**



## ***Swiftwater and Flood Rescue - Water Survival and Flood Awareness Training Course (AW)***

The course is designed for emergency service personnel who are issued with a lifejacket and expected to work near water and floods. Its purpose is to equip them with sufficient knowledge and awareness of the hazards created by this environment, and develop an understanding of water rescue techniques. It is not intended that these personnel will enter the water as part of their deployment and the lifejacket serves as personal protective equipment for accidental water entry only, but the course covers this possibility practically to ensure that the personnel are prepared for the event if it does happen. The course also covers basic conditional rescue capability of their colleagues.



**Duration: 1 day (Training Hours: 7 hours)**



## *Swiftwater and Flood Rescue - Flood Operator (FO) Training Course*

This is a foundation course designed for personnel who may be deployed to a basic (still) water environment, such as flooded urban and rural areas. Its purpose is to equip them with the necessary knowledge and techniques to offer assistance and work in flood environments using basic equipment and rescue aids. The training is a combination of theory and practical sessions.



**Duration: 1 day (Training Hours: 7 hours)**







## *Swiftwater and Flood Rescue - Swiftwater and Flood First Responder Training Course (SFR)*

The course aims to introduce basic swiftwater and flood rescue principles and techniques that will enable personnel to support Swiftwater and Flood Rescue Technicians (SFRTs) at incidents. First Responders should have the ability to self-rescue and perform conditional rescues, and be equipped with basic shallow water techniques. First Responders who have been trained may perform basic shallow water work in areas where the risk and consequence of a malfunction is controllable.



**Duration: 2 days (Training Hours: 14 hours)**



## *Swiftwater and Flood Rescue - Professional Certificate in Swiftwater and Flood Rescue Technician Course (SFRT)*

The course is intended for those who will be required to carry out rescues in swiftwater and flood environments. The course is based on the philosophy of self-protection and judgement when applying low to high risk solutions. Participants who have completed the entire course will be granted the qualification equivalent to Level 4 in Generic Level Descriptors.



**Duration: 4 days (Training Hours: 40 hours)**





## ***Swiftwater and Flood Rescue - Swiftwater and Flood Rescue Technician Advanced (SFRT-A) Training Course***

The course is designed to provide enhanced training for experienced Swiftwater and Flood Rescue Technicians so that they can carry out advanced rescues both in and over water, such as performing search management in a swiftwater and flooding incident.



**Duration: 3 days (Training Hours: 30 hours)**



# F Fire Engineering Training Programmes.....

## ***3-day Advanced Fire Engineering Training Course***

The course is designed to provide participants a comprehensive exploration of fire engineering and its practical applications from a regulatory perspective. Participants will gain in-depth knowledge of fire engineering principles, design methodologies, and computational fluid dynamics (CFD) simulation techniques and their implementation in real-world scenarios. The course focuses on various processes in fire engineering, including design, statutory submission, report and simulation vetting, acceptance inspection and facility management.



The course offers a practical overview of the following:

- (1) basic concepts on fire engineering and fire dynamics;
- (2) fire engineering provisions and corresponding functions;
- (3) fire engineering projects submission and approval; and
- (4) introduction of state-of-the-art fire engineering projects and their management.

**Duration: 3 days (Training Hours: 24 hours)**

# G Fire Investigation Training Programmes.....

## *Basic Fire Investigation Training Course*

The course is designed to provide participants with basic training in fire investigation. Lectures on theories are delivered with a view to enhancing participants' understanding of the complex fire scenes and the scope of fire investigation. During the course, practical training sessions at simulated training facilities for fire investigation will be arranged. Upon completion, participants will be equipped with the requisite skills to conduct fire investigations.

The course contents include: Administering and Planning of Investigation, Basic Methodology, Sources of Information and Statement Taking, Fire Patterns, Electricity and Fire, Motor Vehicle Fires and Explosions, Record of the Scene, Physical Evidence and Fire-related Human Behavior, Origin and Cause Determination, Management of Major Investigations, and Practical Training and Case Study. (Pre-course learning - Fire Investigation Web-based Training)

**Duration: 5 days (Training Hours: 40 hours)**





## Advanced Fire Investigation Training Course

The course is designed to provide fire investigators with advanced training in fire investigation. Participants will be equipped with the requisite knowledge, skills and abilities to serve as a professional fire investigator. Topics outlined in NFPA Standard 921, Guide for Fire and Explosion Investigations will be covered, which include determination of the point of origin, identification of burn patterns, evidence collection and analysis, interviewing techniques, and court procedures and testifying. The fire investigation skills and knowledge of the participants will be assessed through written examination, practical examination in simulated training facilities and presentation on investigation reports. Their expert witness skills will also be examined. During the course, visits to the Government Laboratory will be arranged.

The course contents include: Roles of Investigators and Scientific Method, Fire Science, Fire Patterns, Fire Effects and Fire Behaviours, Electricity, Motor Vehicle Fires and

Explosions, Fire Scene Safety and Complex Incidents, Documentation and Evidence, Origin and Cause Determination, Forensic Pathology and Expert Witness, Practical Training and Case Study, and Visit to the Government Laboratory.



**Duration: 5 days (Training Hours: 40 hours)**



# H Foot Drill and Ceremonial Duties Training Programmes .....

## *10-day Basic Foot Drill Training Course*

The course is designed for uniformed service members to equip them with basic knowledge and techniques of Chinese-style foot drill. Participants will gain exposure to various basic foot drill techniques taught by members of the Foot Drill and Ceremonial Duties Training Team. Upon completion of the course, participants will be ready for performing in selected events.



**Duration: 10 days (Training Hours: 88 hours)**



## 10-day Advanced Foot Drill Training Course

The course is designed for members of the Fire Services Department Guard of Honour to equip them with advanced knowledge and techniques of Chinese-style foot drill. Participants will gain exposure to advanced techniques in foot drill and flag-raising ceremony taught by the Guard of Honour of the Chinese People's Liberation Army Hong Kong Garrison. Upon completion of the course, participants will be ready for performing in most events.



**Duration: 10 days (Training Hours: 88 hours)**



## *5-day Guard of Honour Trainer Training Course*

The course is designed for selected members of the Fire Services Department Guard of Honour to equip them with advanced knowledge and techniques of Chinese-style foot drill as well as supervisory skills. Participants will gain exposure to more advanced techniques in foot drill and flag-raising ceremony as well as teaching skills taught by members of the Foot Drill and Ceremonial Duties Training Team. Upon completion of the course, participants will be ready for performing teaching duties.



**Duration: 5 days (Training Hours: 44 hours)**



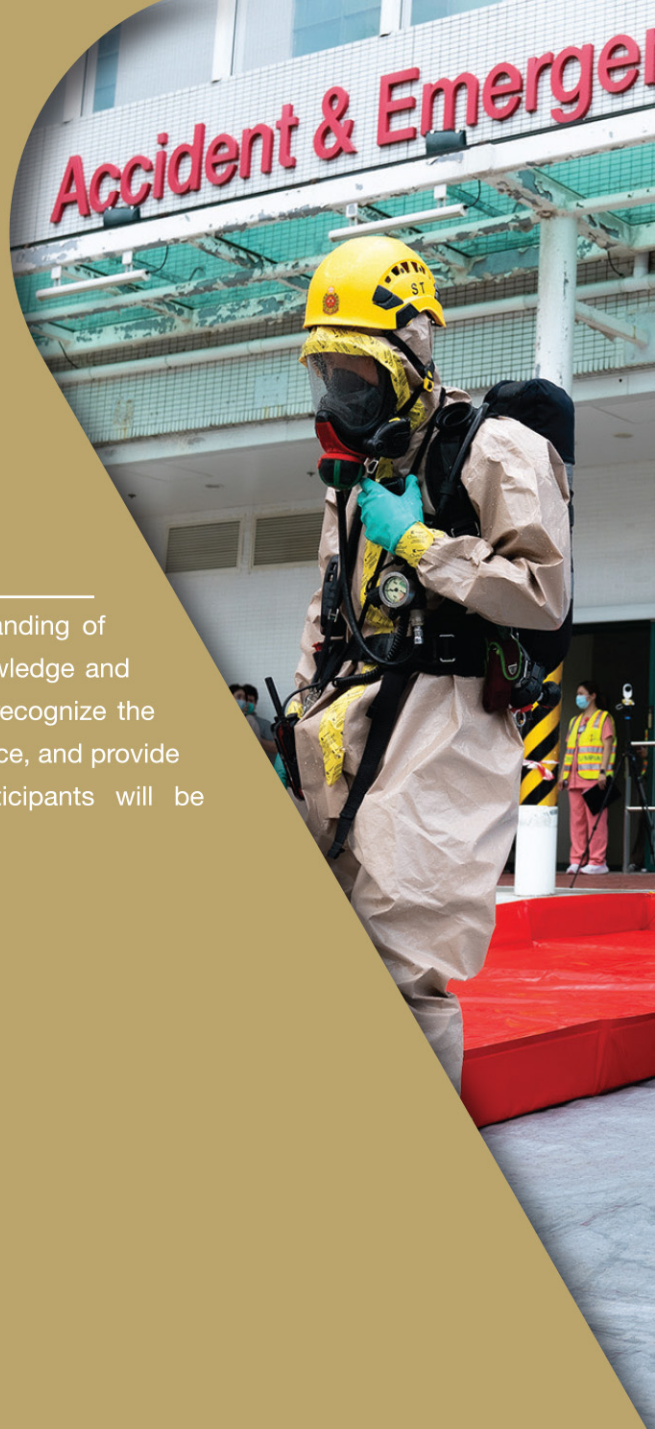
# Hazardous Materials (HazMat) Training Programmes .....

## *1-day HazMat (Awareness) Training Course*

The course is designed to provide participants with an understanding of HazMat and the associated risks. They will also acquire the knowledge and skills necessary to identify hazardous materials in emergencies, recognize the needs for additional resources, make appropriate calls for assistance, and provide appropriate notifications to the community. In addition, participants will be introduced to the Emergency Response Guidebook.



**Duration: 1 day (Training Hours: 8 hours)**



## 10-day HazMat (Technician) Training Course

The course is specifically designed to provide comprehensive training for First Responders so that they can effectively respond to HazMat incidents and properly mitigate associated risks. The course is designed around different international standards, including the China standard GAT 970-2011 《危險化學品泄漏事故處置行動要則》，NFPA 472: Standard for Competence of Responders to Hazardous Materials Incidents and NFPA 1072: Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications, which focus on the competence of responders in handling HazMat incidents.



**Duration: 10 days (Training Hours: 80 hours)**



# J High Angle Rescue Training Programmes.....

## *Cable Car Rescue Training Course*

The course is designed to equip participants with the knowledge and skills to perform cable car rescue operations at Ngong Ping 360 and Ocean Park using appropriate equipment, and to heighten their safety awareness. They will also learn how to manage/control risk using proper safety at height techniques.



Duration: 5 days (Training Hours: 40 hours)



## High Angle Rescue Team (HART) Initial Training Course

The course is designed to equip HART members with the knowledge and skills to perform high angle rescue (HAR) operations, supervise other firefighters while carrying out HAR operations, and manage and control risks during HAR operations. Participants will learn how to use various rope access and rescue equipment, including multipods, litters and power ascenders. The course will cover rope access and rescue techniques including aid climbing, snatch rescue, casualty management, etc. Advanced rigging techniques, such as anchor building, tension lines, reeve systems and pulley systems, will be taught. Participants will be given scenario-based training exercises to gain practical experience and refine their rescue skills in a safe and controlled environment. Participants who have completed the entire course will be granted the qualification equivalent to Level 4 in Generic Level Descriptors. Participants will be required to attend a 5-day (Training Hours: 40 hours) revalidation course every 3 years.



**Duration: 25 days (Training Hours: 200 hours)**



## ***Advanced High Angle Rescue (HAR) Training Course for Organizations outside Hong Kong***

The course is designed to equip participants with rope rescue skills and heighten their safety awareness in operations. Participants will acquire the requisite techniques to perform personal and team rescues by applying industrial rope access techniques to technical rescue scenarios. The course also covers practical training in tower crane rescue, gondola rescue, cable car rescue, etc. The course is suitable for work-at-height professionals and members of rope rescue teams.



**Duration: 10 days (Training Hours: 80 hours)**



## Mountain Search and Rescue Team (MSRT) Initial Training Course

The course is designed to provide initial training for MSRT members and equip them with the knowledge and skills to perform search and rescue operations in the mountainous terrains of Hong Kong. Participants will learn to use various navigational techniques and tools. They will learn how to maneuver and survive in mountainous terrain. Rope-related skills and the use of equipment will be taught. The course will also include missing person behavior and search techniques.



**Duration: 15 days (Training Hours: 120 hours)**



# K Marine Firefighting Training Programmes .....

## *1-day Marine Firefighting and Rescue Training Course*

The course is designed to equip participants with basic knowledge of marine firefighting and rescue. It covers a range of topics, including: Functions of Fireboats, Introduction to the Common Types of Ships and Boats in Hong Kong, Introduction to FSIs in Shipboard Environment, and Marine Firefighting and Rescue.



**Duration: 1 day (Training Hours: 8 hours)**

## ***5-day Marine Firefighting and Rescue Course***

The course is designed to equip participants with basic knowledge of the relevant Hong Kong legislations, the role of the FSD in ship fires, the availability of other resources for attending maritime incidents, and the safety measures to be taken when boarding a ship. In addition, lectures on the general arrangement plans, basic ship construction, and the types of FSIs and emergency escape routes on ships, as well as maritime firefighting and high angle rescue techniques will be delivered. Participants will also learn how to use lifesaving, firefighting and rescue equipment on ships, and how to prepare standard maritime messages.



**Duration: 5 days (Training Hours: 40 hours)**



# L Fire Service Installation and Equipment (FSI) Training Programmes .....

## *Advanced FSI training for NCOs of Operational Commands*

The course aims to improve the FSI knowledge of operational members. The one-day practical FSI training conducted by the Licensing and Certification Command offers an introduction to and hands-on use of various components of the fire hydrant / hose reel system.

Trainees will gain an understanding of the functions of different components and have the opportunity to experience the performance of the fire hydrant / hose reel system at different settings.



**Duration: 1 day (Training Hours: 8 hours)**

# 3

## LEADERSHIP, COMMAND AND VOCATIONAL TRAINING PROGRAMMES

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- *Station Officer (Operational) Foundation Training Course*
- *Professional Diploma in Fire Services for Fireman/Firewoman (Operational/Marine)*
- *Ambulance Officer Foundation Training Course*
- *Professional Diploma in Ambulance Services for Ambulanceman/Ambulancewoman*
- *Senior Fireman / Firewoman (Control) Foundation Training Course*
- *Development Programme for Senior Officers*
- *Development Programme for Subordinate Officers*
- *Management Induction Course for Junior Officers*
- *Fire Protection Course for Officers*
- *Non-Commissioned Officer (Amb) Command Course*
- *Leadership Course for Ambulancemen with Paramedic Qualifications*
- *Ambulance Command Instructor Qualifying Course*



## ***Station Officer (Operational) Foundation Training Course***

The course is designed for newly recruited Station Officers (Operational) to equip them with basic knowledge of fire services, fire services legislations and policies. Participants will gain exposure to administrative skills, leadership abilities, firefighting techniques and rescue skills. Upon completion of the course, participants will become operationally ready Station Officers with expertise in firefighting and rescue, enabling them to serve as appliance commanders at fire stations.

**Duration: 26 weeks (Training Hours: 1413 hours)**



## ***Professional Diploma in Fire Services for Fireman/Firewoman (Operational/Marine)***

The course is designed for newly recruited Firemen/Firewomen (Operational/Marine) to equip them with basic knowledge of fire services, firefighting techniques and rescue skills. Upon completion of the course, participants will meet the operational requirements and be deployed to fire stations to serve as frontline firefighters. Participants who have completed the entire course will be granted the qualification equivalent to Level 4 in Generic Level Descriptors.

**Duration: 26 weeks (Training Hours: 1413 hours)**

# Ambulance Officer Foundation Training Course

The course is designed for newly recruited Ambulance Officers to equip them with basic knowledge of ambulance services and related legislations and policies. Participants will gain exposure to administrative skills, leadership abilities and the use of paramedic equipment. Upon completion of the course, participants will become operationally ready Ambulance Officers with expertise in providing ambulance aid and managing ambulance depot administration. This will enable them to serve as assistants to ambulance depot commanders.

**Duration: 26 weeks (Training Hours: 1509 hours)**



## Professional Diploma in Ambulance Services for Ambulanceman/ Ambulancewoman

The course is designed for newly recruited Ambulancemen/Ambulancewomen to equip them with basic knowledge and skills of ambulance services. Upon completion of the course, participants will meet the operational requirements and be deployed to ambulance depots to provide frontline ambulance services. Participants who have completed the entire course will be granted the qualification equivalent to Level 4 in Generic Level Descriptors.

**Duration: 26 weeks (Training Hours: 1509 hours)**



## *Senior Fireman / Firewoman (Control) Foundation Training Course*

The course is designed for newly recruited Senior Firemen / Firewomen (Control) to equip them with basic knowledge and skills in providing fire service assistance, handling fire safety complaints and responding to inquiries about fire hazards. Participants will gain exposure to the mobilizing systems and communications equipment in the Fire Services Communications Centre and Mobile Command Units. Upon completion of the course, participants will meet the operational requirements and be deployed to Fire Services Communications Centre to serve as console operators.



**Duration: 12 weeks (Training Hours: 642 hours)**



## ***Development Programme for Senior Officers***

The programme is designed to groom senior officers for leadership positions in the rapidly changing social environment, and to strengthen their professional expertise and capabilities in commanding incidents. Upon completion of the development programme, participants should be able to discover new ways of thinking and innovative approaches for leaders, show sensitivity to wider public policy issues and public sentiments when making decisions and formulating policies, organize ideas logically and present complex and sensitive issues clearly and persuasively, and be familiarized with the effective strategies and procedures in commanding incidents.



**Duration: 12 days (Training Hours: 84 hours)**



## ***Development Programme for Subordinate Officers***

The programme is designed to equip officers with the knowledge and skills necessary for the effective performance of their supervisory duties, and to strengthen their professional expertise and capabilities in commanding incidents. Upon completion of the development programme, participants should be able to gain new perspectives to lead, align their minds with departmental core values, enhance their understanding on law and best practices in the workplace, recognized the positive value of change, become more flexible communicators when engaging with stakeholders

and the public-at-large, become more tactful in explaining the Department's position and handling questions, become more confident and at ease with speaking in public, and be familiarized with the effective strategies and procedures in commanding incidents.



**Duration: 12 days (Training Hours: 84 hours)**



## ***Management Induction Course for Junior Officers***

The course is designed to equip junior officers with the knowledge and skills necessary for the effective performance of their supervisory duties, and to strengthen their professional expertise and capabilities in commanding incidents. The course contents include: Principles of Supervision, Modern Management, Communication and Motivation, Team Building and Group Dynamics, and Performance Management.

**Duration: 5 days (Training Hours: 39 hours)**

## ***Fire Protection Course for Officers***

The course is designed to equip officers in the Fire Stream with the knowledge and skills necessary for carrying out their fire protection duties in the Fire Safety Command and the Licensing and Certification Command. The course contents include: Complaint Handling and Prosecution Procedures, Control of Dangerous Goods, Fire Engineering and Fire Service Installations.

**Duration: 8 days (Training Hours: 62 hours 24 mins)**



## ***Non-Commissioned Officer (Amb) Command Course***

The course is designed to foster ethical and professional values among non-commissioned officers (NCOs), develop their understanding of relevant policies, and equip them with the leadership skills essential for the efficient discharge of their duties.

The course contents include: NCO Behaviour and Attitude, Customer Services, Talks on Integrity, Ethics and Anti-corruption, Supervisory Management, Occupational Health and Safety, Methods of Instruction, Negotiation Training, Documentation, Orders and Instructions, Complaints against Ambulance Personnel, Disciplinary Offences, Major Incidents, Operational Command and Control, and Communication Procedures in Operational Incidents.

**Duration: 12 days (Training Hours: 105 hours 36 mins)**





## ***Leadership Course for Ambulancemen with Paramedic Qualifications***

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The course is designed to foster ethical and professional values among ambulancemen with paramedic qualifications, develop their understanding of relevant policies, and equip them with the leadership skills essential for the efficient discharge of their duties.

The course contents include: Vision, Mission, Values, Emotional Intelligence, Customer Services, Complaints against Ambulance Personnel, Triage Procedures, the Role of Ambulance Incident Officers, Leadership Training, and Team Building Exercises.

**Duration: 1 day (Training Hours: 8 hours 48 mins)**

## ***Ambulance Command Instructor Qualifying Course***

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The course is designed to equip participants with the basic instructional knowledge, techniques, and leadership and management skills essential for the efficient discharge of their duties as assistant instructors.

The course contents include: Psychology of Learning, Training Objectives, Preparation and Planning of Instructions, Preparation of Training Materials, the Use of Training Aid, Lecture Delivery Techniques, Discussion Leading Techniques, Confirmation of Training Effectiveness, Squad Drill Instructional Techniques, Training Administration, Discipline in Training School, Effective Communications, Impromptu Talks, and Interaction

**Duration: 20 days (Training Hours: 176 hours)**



# 4

## COMMUNITY TRAINING PROGRAMMES

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- *Basic Firefighting Training Course*
- *Advanced Firefighting and Rescue Training Course*
- *Firefighting Training Course for Practitioners in Oil / Chemical Industries*
- *Advanced Firefighting Training Course Practitioners in Oil / Chemical Industries*
- *Fire Safety Training Course for Frontline Staff of Petrol Filling Stations (PFS)*
- *“Train-the-trainer” Course for Karaoke Establishment Employees*
- *“Press to shock - Save a life” CPR & AED Course*
- *Community Emergency Preparedness Talk*
- *Voluntary Recognition Scheme for FSI Technicians Training Programme*

## ***Basic Firefighting Training Course***

The course is designed to provide participants with an understanding of the basic theory of combustion and the extinguishing methodology. It also covers an introduction to fire safety legislation.

The course contents include: Introduction of F.S. Organization, Classification of Fire and Calamities, Physics and Chemistry of Combustion, Causes of Fire, How to React in Case of Fire, Methods of Extinguishing Fires of Small Magnitude, Appliance and Equipment of HKFSD, Fire Services Installation, Firemanship, and Situational Drill.



**Duration: 2 days (Training Hours: 12 hours)**



## ***Advanced Firefighting and Rescue Training Course***

The course is designed to equip participants with advanced firefighting skills and rescue techniques to handle various incidents (e.g. traffic accidents) prior to the arrival of fire personnel.

The course contents include: Behavior of Fire and Fire Dynamics, Extinguishing Agents, Compartment Fire Behaviour, Foam, Fire Leadership, Hands-on Training on Firefighting Techniques, and Hands-on training on Survival in Hot, Smoky, Dark and Humid Environments.



**Duration: 2 days (Training Hours: 12 hours)**

## *Firefighting Training Course for Practitioners in Oil / Chemical Industries*

The course is designed to provide participants with an understanding of the basic principles of firefighting, the use of firefighting equipment, and the basic principles and the use of various kinds of foam in firefighting. Participants will also learn how to use different types of foam making equipment for firefighting purposes.

The course contents include: Principles of Combustion, Principles of Extinction, Fire Extinguisher, Hose and Branch, Foam, Foam Making equipment, Fire Safety of Oil Depot, and Hot Fire Drill.



**Duration: 2 days (Training Hours: 12 hours)**



## *Advanced Firefighting Training Course Practitioners in Oil / Chemical Industries*

The course is designed to provide participants with an understanding of fire behavior and basic fire dynamics, and acquaint them with the properties of various extinguishing agents, boil over and slope over hazards and Boiling Liquid Expanding Vapour Explosions (BLEVE). The course also covers

a wide range of topics, including the properties of different types of foam, the general rules of foam application, fire leadership, and the basic knowledge and skills to perform self-rescue in hot, smoky, dark and humid environments.

The course contents include: Behavior of Fire and Fire Dynamics, Extinguishing Agents, Boil-over and BLEVE, Foam, Fire Leadership, Hands-on Training on Firefighting Techniques, and Hands-on Training on Survival in Hot, Smoky, Dark and Humid Environments.



**Duration: 2 days (Training Hours: 12 hours)**



## ***Fire Safety Training Course for Frontline Staff of Petrol Filling Stations (PFS)***

The course is designed to provide PFS frontline staff with an understanding of the basic principles of firefighting, the potential risks, the fire safety and fire service installations in PFS, and the fuel unloading procedures with relevant contingency plans.

The course contents include: Risks in PFS, Elimination of Potential Risks, Extinguishing Principle, the General Design, Construction, Operation and Maintenance of Fire Service Installation (Fixed and Portable), Fuel Unloading Procedures, Drills on Portable Equipment, and Simulated Fire Drills.

**Duration: 1 day (Training Hours: 6 hours)**



## ***“Train-the-trainer” Course for Karaoke Establishment Employees***

The course is designed to provide staff of karaoke establishments with an understanding of the basic theory of combustion, the basic principles of firefighting, the fire safety and fire services installations in karaoke establishments and the instructional techniques to provide training for their colleagues.

The course contents include: Basic Combustion Process, Cause of Fire in Karaoke Establishment, FSIs in Karaoke Establishment, Firemanship, Drills on Portable Equipment and Hose Reel, and Simulated Fire Drills.



**Duration: 1 day (Training Hours: 6 hours)**

## ***“Press to shock - Save a life” CPR & AED Course***

When a cardiac arrest emergency occurs, every second counts. The best way to respond is to deliver a shock via a defibrillator. Otherwise, the survival rate decreases by 7% to 10 % with each passing minute. To improve the survival rate for out-of-hospital cardiac arrest patients, the FSD is committed to train members of the public in using AED for free.



**Duration: 0.5 day (Training Hours: 3 hours)**



## Community Emergency Preparedness Talk

The talk aims to:

1. Enrich citizens' knowledge about and elevate their skills in disaster preparedness, counter-terrorism preparedness, fire safety and community life support;
2. Publicize and promote emergency preparedness awareness as well as the how-to and skills; and
3. Enhance citizens' response capability in coping with disasters or emergencies.



Duration: 0.5 day (Training Hours: 1 hour)



## ***Voluntary Recognition Scheme for FSI Technicians Training Programme***

The course is designed to enhance the professionalism and performance standard of practitioners carrying out maintenance work of fire service installations. The Training Programme adopts a modular-based delivery method, consisting of Core Modules and Selective Modules. Core Modules cover fundamental technical knowledge of FSIs, relevant laws and guidelines, and values and integrity; whereas Selective Modules are enhancement training courses that focus on an individual FSI, i.e. FH/HR System, Sprinkler System, Fire Alarm System or Fire Detection System.



**Duration: Core Modules – 0.5 day (Training Hours: 4 hours)**  
**Selective Modules – 1 day (Training Hours: 8 hours) per module**



# 5

## DRIVING TRAINING PROGRAMMES

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- *Hydraulic Platform Cage Operation Course*
- *Group I (Fire) / Group I (Ambulance) Driving Course*
- *Group I (Special) Light Motorcycle (LMC) / Fire Motorcycle (FMC) / Emergency Medical Assistant Motorcycle (EMAMC) Course / Rapid Response Motorcycle (RRM)*
- *Group II (Fire) / Group II (Ambulance) Driving Course*
- *Special Appliance Driving Course*
- *37m cc/37m cs/M39L/39m Turntable Ladder / 42m Aerial Ladder Platform Course*
- *52m cc/55m cs/56m Turntable Ladder Course*
- *Driving Instructor Course*
- *Driving Examiner Course*

## Hydraulic Platform Cage Operation Course

The course is designed to provide qualification training in the operation of Hydraulic Platforms. It covers a range of topics, including regular inspections and fault-finding, to ensure high standards of operation. The course contents include: General Introduction, Principal Dimension and Data, Operating Instructions, and Massive External Rescues.



**Duration: 5 days (Training Hours: 35 hours)**



## ***Group I (Fire) / Group I (Ambulance) Driving Course***

The course is designed to provide qualification training in the driving of Group I fire appliances and Group I ambulances. It covers a range of topics, including regular inspections and fault-finding, to ensure high standards of driving.

The course contents include: Introduction to the Controls of Motor Cars and Classification of Fire Services Appliances, Road Users' Code and Departmental General Orders, Driving Preparation, Beginning to Drive, On the Road, Dealing with Slope, Manoeuvring, Road Observation, Driving to Emergency Calls, and Servicing and Maintenance Routines.



**Duration: Group I (Fire) Driving Course (Auto Transmission): 8 days (Training Hours: 56 hours)  
Group I (Fire) Driving Course (Manual Transmission): 10 days (Training Hours: 70 hours)  
Group I (Ambulance) Driving Course: 15 days (Training Hours: 105 hours)**

## ***Group I (Special) Light Motorcycle (LMC) / Fire Motorcycle (FMC) / Emergency Medical Assistant Motorcycle (EMAMC) Course / Rapid Response Motorcycle (RRM)***

The course is designed to provide qualification training in the driving of LMCs, FMCs, EMAMCs or RRM. It covers a range of topics, including regular inspections and fault-finding, to ensure high standards of motorcycle driving.

The course contents include: Introduction to the Controls of Motorcycles and Classification of Fire Services Appliances, Road Users' Code and Departmental General Orders, Driving Preparation, Beginning to Drive, On the Road, Dealing with Hills, Manoeuvring, Road Observation, Operation of Firexpress Firefighting Units (for FMC), Driving to Emergency Calls, and Servicing and Maintenance Routines.

**Duration: Light Motorcycle (LMC): 5 days (Training Hours: 35 hours)**  
**Fire Motorcycle (FMC) / Emergency Medical Assistant Motorcycle (EMAMC) /**  
**Rapid Response Motorcycle (RRM): 15 days (Training Hours: 105 hours)**





## Group II (Fire) / Group II (Ambulance) Driving Course

The course is designed to provide qualification training in the driving of Group II fire appliances and Group II ambulances. It also covers a range of topics, including regular inspections and fault-finding, to ensure high standards of driving.

The course contents include: Introduction to the Controls of Motor Cars and Classification of Fire Services Appliances, Refresher Course on Road Users' Code and Departmental General Orders, Refresher Course on Driving Preparation, Refresher Course on Pump Operation, Steering, Gear Changing and Clutch Control, Use of Speed, Road Observation, Drivers' Signals, Manoeuvring, Driving to Emergency Calls, and Servicing and Maintenance Routines.



**Duration: 5 days (Training Hours: 35 hours)**

## Special Appliance Driving Course

The course is designed to provide training in the driving/operation of Special Appliances for participants with Group I or Group II driving qualifications. It covers a range of topics, including regular inspections and fault-finding, to ensure high standards of driving. The course contents: include General Introduction to Special Appliances, Principal Dimension and Data, Operating Instructions, Manoeuvring, and Servicing and Maintenance Routines.



Duration: 3 days (Training Hours: 21 hours) /  
5 days (Training Hours: 35 hours)



## ***37m cc/37m cs/M39L/39m Turntable Ladder / 42m Aerial Ladder Platform Course***

The course is designed to provide qualification training in the operation of 37m cc/37m cs/M39L/39m Turntable Ladder / 42m Aerial Ladder Platform to ensure proper and effective use of the appliance. It covers a range of topics, including regular inspections, fault-finding and rectification.

The course contents include: General Introduction, Turret Mechanism and Aerial Ladder Platform Assembly, Control Station, Safety Devices, Siting, Control Techniques and Siting Factors, Operation of Ladders, Rescue Cages; Driving of Turntable Ladders / Aerial Ladder Platforms, Specification of 37m cc/37m cs/M39L Turntable Ladders / 42m Aerial Ladder Platforms; Principal Dimension and Data, Manoeuvring and Operating Instructions, and Servicing and Maintenance Routines.



**Duration: 8 days (Training Hours: 56 hours)**



## 52m cc/55m cs/56m Turntable Ladder Course

The course is designed to provide qualification training in the operation of 52m cc/55m cs/56m Turntable Ladder to ensure proper and effective use of the appliance. It covers a range of topics, including regular inspections, fault-finding and rectification.

The course contents include: General Introduction, Turret Mechanism and Ladder Assembly, Control System, Safety Devices, Siting, Control Techniques and Siting Factors, Operation of Ladders and Rescue Cages; Driving of Turntable Ladders, Specifications of 52m cc/55m cs/56m Turntable Ladders; Principal Dimension and Data, Manoeuvring and Operating Instructions, and Servicing and Maintenance Routines.



Duration: 12 days (Training Hours: 105 hours 36 mins)



## Driving Instructor Course

The course is designed to provide qualification training in the delivery of driving training. It covers a range of topics, including a variety of driving and instructional skills and abilities.

The course contents include: Advanced Practical Driving Training to Develop Expert-level Driving Skills, Understanding Theory of Driving Behavior, Recognition of Sub-standard Driving Performance, Development of Risk Management and Trainee Control, Teaching and Learning Strategies, and Delivery of Evaluations and Debriefing.



**Duration: 20 days (Training Hours: 140 hours)**

## *Driving Examiner Course*

The course is designed to provide qualification training in conducting practical driving assessment. It covers a range of topics, including assessment methodology and test control.

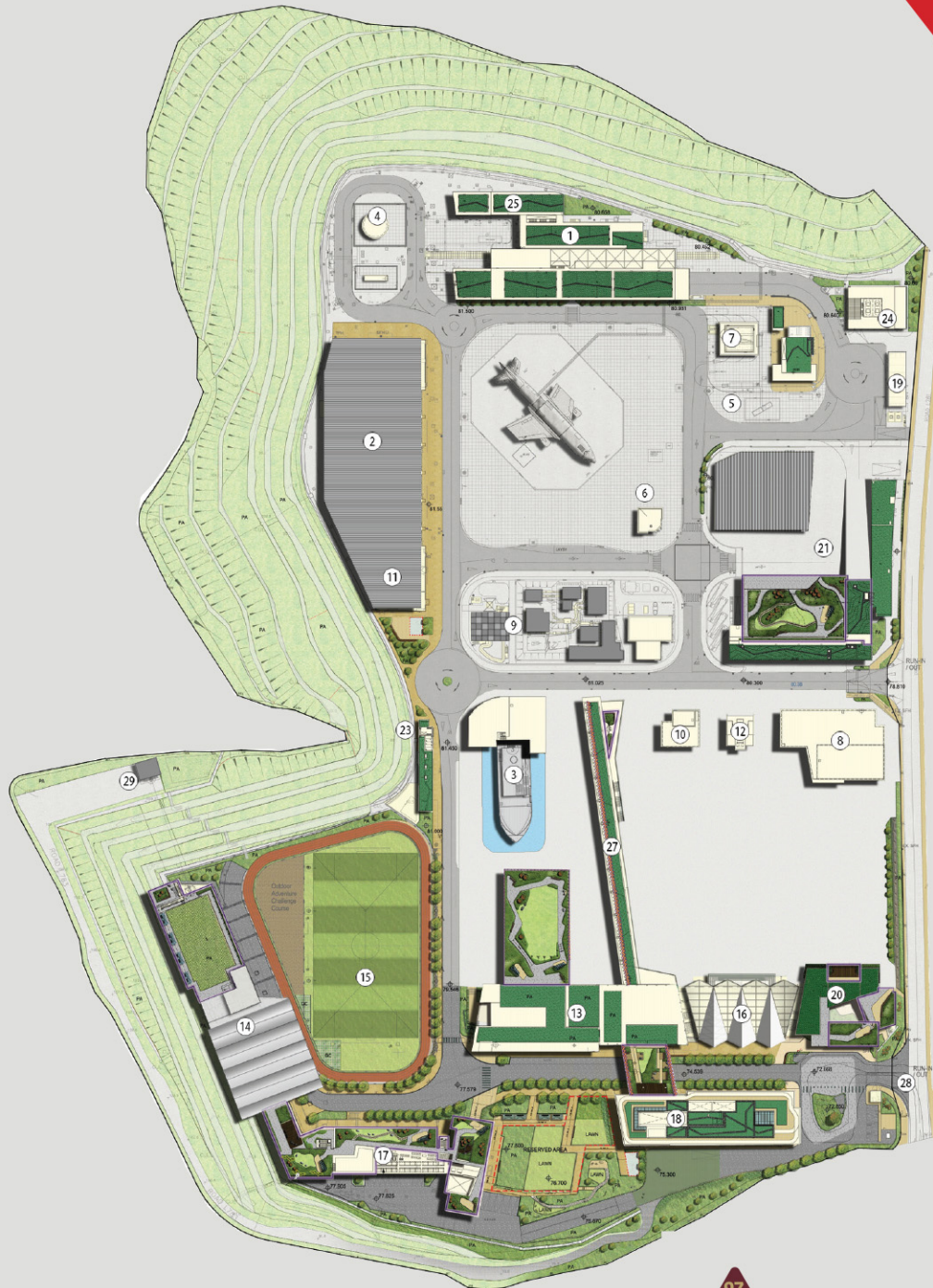
The course contents include: Driving Examiners' Responsibilities, Identification of Driving Faults and Habitual Faults, Development of Trainee Control, and Conducting Pre-brief and De-brief for Driving Examination.



**Duration: 5 days (Training Hours: 35 hours)**



# CAMPUS MAP



- 1 Traffic Incident Training Area
- 2 Compartment Fire Behaviour Training Centre  
Fire Investigation Demonstration Unit
- 3 Aquatic Incident Training Area
- 4 Fuel Tanks Incident Training Area
- 5 Vehicle Incident Training Area
- 6 Aircraft Incident Training Area
- 7 Petrol Filling Station Incident Training Area
- 8 Burn House  
HazMat Training Area
- 9 Urban Search and Rescue Training Area
- 10 Rescue Training Tower
- 11 Fire Science Centre
- 12 Drill Tower
- 13 Teaching Block
- 14 Physical Training Centre
- 15 Adventure Training Area
- 16 Integrated Training Ground  
Grandstand
- 17 Dormitory
- 18 Administration Block
- 19 Petrol Filling Station
- 20 Fire and Ambulance Services Education  
Centre cum Museum
- 21 Driving Training Centre
- 23 Kennel
- 24 LPG Tank
- 25 Foam Treatment Plant Room
- 27 Education Skywalk
- 29 High Angle Rescue Training Area

# CONTACT INFORMATION



Address: Fire and Ambulance Services Academy,  
11 Pak Shing Kok Road, Pak Shing Kok,  
Tseung Kwan O, Kowloon, Hong Kong



Telephone: (852) - 2411 8888



Fax: (852) - 2411 8800



E-mail: [fsd\\_training@hkfsd.gov.hk](mailto:fsd_training@hkfsd.gov.hk)



Website: <http://www.hkfsd.gov.hk>



Office hours: Mon-Friday 8:30 am to 5:45 pm  
(Closed on Saturday, Sunday and Public Holidays)

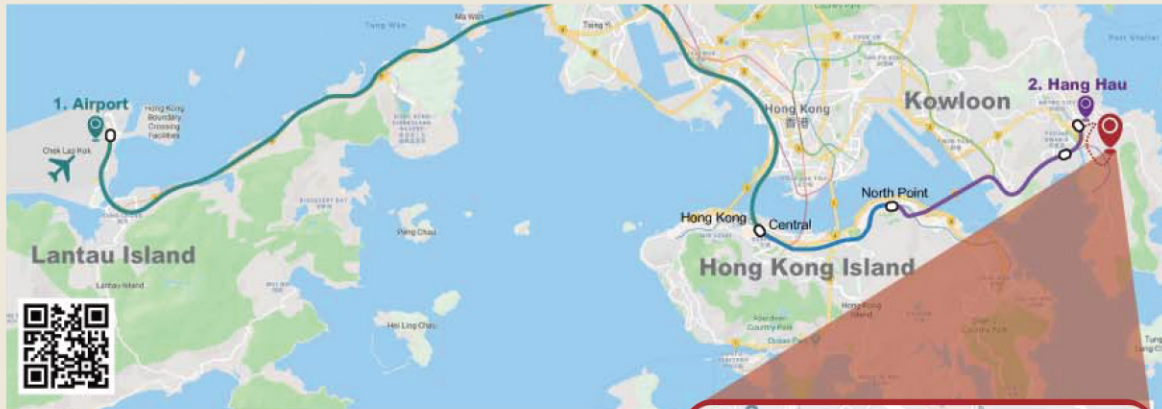
## APPLICATION DETAILS

For enquiry / application / customization course,  
please contact us via e-mail [fsd\\_training@hkfsd.gov.hk](mailto:fsd_training@hkfsd.gov.hk)  
Application must be made 2 months before the commencement of the course.  
HKFSD reserves the right to amend the contents without prior notice.



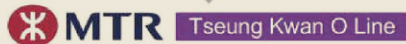


# CAMPUS LOCATION



## HOW TO GET HERE:

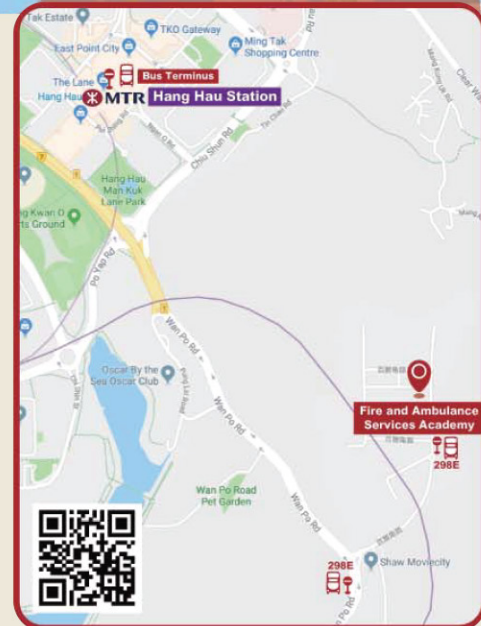
- 1 Take the Airport Express to interchange to MTR Tseung Kwan O Line.



- 2 Get off at Hang Hau Station



- 3 Take Bus No.298E [Tseung Kwan O Industrial Estate (Circular)] and get off at Pak Shing Kok Bus Stop, or Take Bus No.298E [Special Departure] and get off at Fire And Ambulance Services Academy Bus Stop.



Details of MTR Train Services and KMB Bus Service are available at:

<http://www.mtr.com.hk/en/customer/tourist/>  
<http://www.kmb.com.hk/en/>

# Fire and Ambulance Services Academy



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