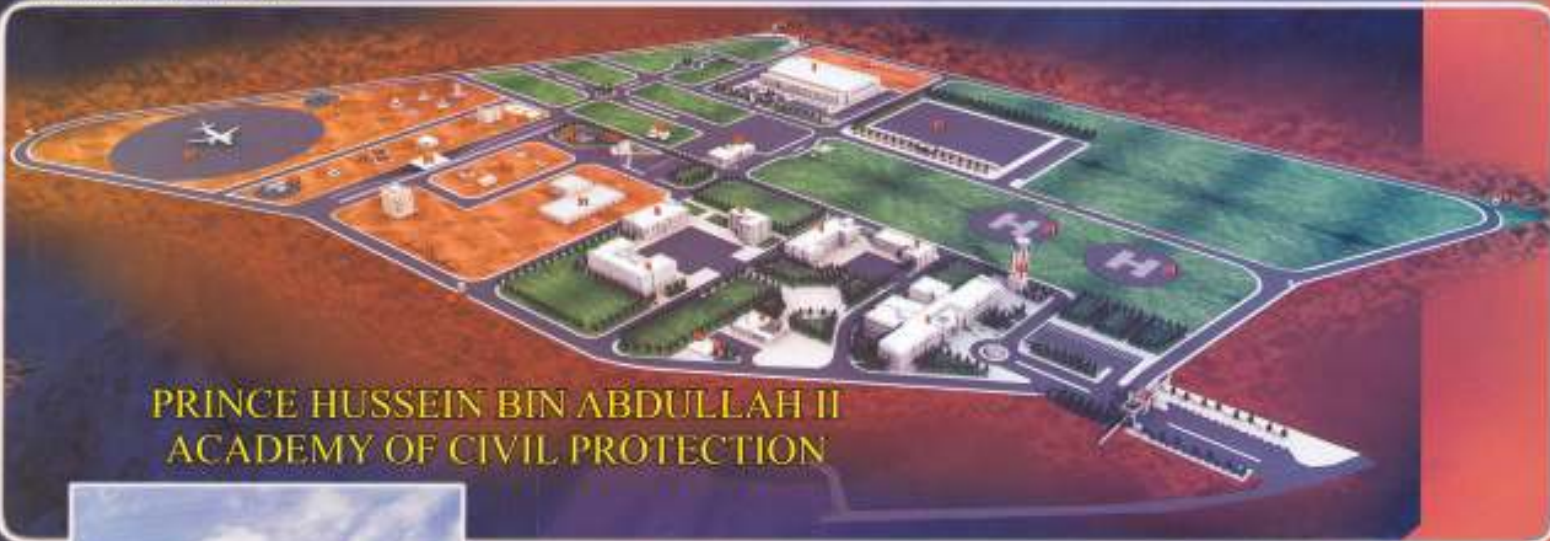




General Directorate of Civil Defence

THE HASHEMITE KINGDOM OF JORDAN



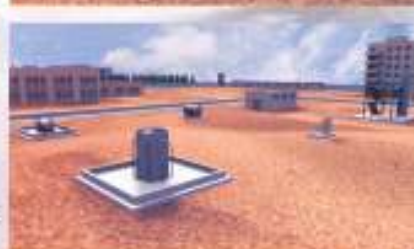
PRINCE HUSSEIN BIN ABDULLAH II ACADEMY OF CIVIL PROTECTION



**FIRE SAFETY ENGINEERING
DISASTER MANAGEMENT
PARAMEDIC**



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Our vision

Create a scientific, specialized, and distinguished center in the field of civil protection and spreading of the civil defence culture to provide the needs of economic development plans, and link them with the needs of the local community

Prince Hussein bin Abdullah II Academy of Civil Protection is the first Academy of its kind, not only in Jordan, but throughout the Middle East and North Africa. This Academy is a specialized and distinguished scientific milestone in the field of civil defence and civil protection. The academy offers bachelor degrees in three majors: Fire Safety Engineering, Disaster Management, and Paramedic.

The academy is established according to the regulations of the Ministry of Higher Education and Scientific Research in the Hashemite Kingdom of Jordan. It is considered the first academy in the world that offers bachelor degree in the three majors mentioned above from the same school. The available academic programs are distinguished by their objectives and quality as well as the pioneering-based practical applications.

The academy also provides advanced training courses and programs in the Civil Defence and Civil Protection sciences. Short and long duration programs are available. The academy is equipped to meet the requirements of advance and specialized programs in civil defence and civil protection disciplines in order to prepare graduates to deal with all kinds of accidents and risks that threat human life and properties. It is intended to prepare graduates to become professionals in their fields according to the highest international standard levels in these fields. Construction plans of the academy were initiated in May 2004. His Majesty King Abdullah II gave the honor to the General Directorate of the Civil Defence by setting the cornerstone of the academy on March 8, 2006. The academy will start receiving the first group of students on October 1, 2009.

It can host up to 2000 students including trainees in special training programs in civil defence offered by its Center of Consultation and Training in civil protection.

Objectives of the Academy

The Academy aims to achieve the following objectives:

- 1- Creating an efficient, specialized, and distinguished international center in civil protection and civil defense sciences that offers bachelor degree in the fields of Fire Safety Engineering, Disaster Management, and Paramedic at the bachelor level.
- 2- Conducting special and particular training courses in the civil protection and civil defence areas such as Fire Fighting, Prevention, Rescue Operations, Dealing with Hazardous Materials, Disaster Management, Paramedic, and others.
- 3- Building capacities as trained and specialized personnel in the civil protection and civil defence areas at the local and regional levels who will be well qualified to cope with the new events and developments of the current practice in these fields. The future staff will be prepared to deal with all kinds of accidents and risks that threaten human life and properties and then reducing the resulting destructive effects.
- 4- Qualifying the Civil Defence staff and providing them with the necessary practical and training skills in order to reach the professional level required to execute their roles.
- 5- Settling the prevention awareness concept and spread out the civil defence culture among the community classes as well as the disaster preparedness concept to mitigate the destructive consequences and contributing in the developmental, economical, cultural, social, and environmental plans.
- 6- Enriching the scientific researches in the field of specialized studies concerning civil defence and civil protection sciences and developing the systems, studies and researches that serve the comprehensive civil defence concept.
- 7- Enhancing the relationships with universities and scientific establishments related to the civil protection and civil defence sciences domains at local, regional, and international level, through the exchange of information and experiences in order to achieve the educational and training goals of the academy.

Location of the Academy

The Academy is located in the southern part of the capital city of Amman at the west Al-Thahabiah region, Al-Mwakit District which lies 30 km from the City of Amman. The academy encompasses over 20,000 m² of buildings and facilities within a campus of 360,000 m² of land.

1. Fire Safety Engineering

This program consists of 165 credit hours which include general university and college courses such as (Physics, Chemistry, Mathematics, Computer Science, and others). It also includes elective engineering courses such as Statics, Dynamics, Electrical Circuits, Electronics, Metallurgy, Ventilation, Heating and Air Conditioning Systems. In addition, specialty core courses are offered in Fire Engineering such as Fire Fundamentals, Construction Codes, Legislators, Heat Transfer during Fire, Fire Risks Management, Smoke Management Systems, Fire Systems Mathematical Analysis of Fire, Interaction between Man and Fire, Safety Management, and Vocational Health. The students are expected to submit a graduation project in Fire Engineering and others.

2. Paramedic

This program consists of 132 credit hours which include general university and college courses, elective courses, and specialty core courses such as Fundamentals of Paramedics, Health Assessment, Anatomy and Physiology of Pulmonary-cardiovascular System, Pharmacology Clinical Medicine, Paramedic Management of Trauma Emergencies, Paramedic Management of Respiratory Emergencies, Paramedic Management of Medical and Surgical Emergencies, Paramedic Management of Cardiovascular Emergencies, Paramedic Management of Infections, Ecological and Environmental Emergencies, Paramedic Management of Obstetric-pediatric Emergencies, Ambulance Clinical Practice and Patient Transport, Paramedic Management of Geriatric Emergencies, Paramedic Management of Dental and Oral Maxillofacial Trauma, Injuries, Paramedic Management of Neurological and Psychological Emergencies, Pathology, Physical Fitness and Wellness, Field Training, Research Project, and others).

3. Disaster Management

This program consists of 132 credit hours which include general university and college courses, elective courses, and specialty core courses such as Disaster Management: (Disaster Management Sciences, Risks and Vulnerability Management, International Management of Disasters Health and Medical Management in Disasters, Risks Mitigation in Disasters Management, Post Disasters Reconstruction, Preparedness for Disasters, Disaster Assessment, Risk Analysis, Natural Disasters, Man-made Disasters, Early Warning Systems, Field Drills, Public Awareness, Social and Economic Impacts of Disasters, International Relief during Disasters, Emergency Management, Earthquakes Disasters International Laws Related to Disasters and Armed Conflicts, Environment Disasters Management Graduation Project, and others).

The Training Programs (Center of Consultation and Training for Civil Protection)

The academy has established a Center of Consultation and Training in order to conduct advanced and specialized training courses in civil protection and civil defence fields theoretically and practically. Consequently, a specialized training fields for the academy were designed and equipped to provide have high-quality training levels in civil defence skills according to the latest international specifications by using command and control systems for the activities in part, or in whole, according to the scenarios and nature of each exercise. In these fields, the trainees are trained on simulating practical drills in many domains, at this center the trainers and lecturers will be from Civil Defence staff and required experts with high levels of qualifications and expertise.

The training fields include many buildings to execute different activities such as:

Field of Liquid Fires, Oil refineries, and Oil Facilities

- Training on firefighting the flammable liquid fires using suitable firefighting agents.
- Training on firefighting oil facilities fires.
- Training on intervention operations when dealing with oil facilities fires





Basin Area & Back Draft Rooms Field

- Training on the importance of knowing fire behavior.
- Training on the selection of proper firefighting agents.
- Training on knowing the good time for performing ventilation.
- Training on the scientific method when getting close to firefight fires in closed places.



Industrial Activities Field

- Training on operations of handling chemical leakage accidents (HAZMAT) either liquid or gas without fire happening.
- Training on firefighting inside warehouses or tankers containing chemicals.
- Training on execution of decontamination operations for people materials or machines caused by chemical pollution
- Training on the scientific means to contain the leaking chemicals and disposal of the chemical residuals so that the environment or underground water & others are not affected.

The Training Tower



- Training on dealing with prevention and self protection requirements that should be available for high rise buildings such as fire risers (dry and wet).
- Training on dealing with external stairs (emergency exits).
- Training on rescue and lowering operations from high rise buildings.
- Training on using all kinds of ladders.
- Training on using hydraulic ladders.
- Training on firefighting operations in high rise buildings with different occupancies.

- Training on firefighting operations in passenger transport planes, helicopters, and others.
- Training on search & rescue operations for trapped persons & injured people inside passenger planes in different conditions such as high temperature, intense smoke, & others.
- Training on rescue & evacuation operations for the passengers in airplanes.

Aircraft Fires Activities Field



Road Traffic Accident



- Street simulator of two sides & a middle block, each side has at least 2 lanes with 100 m total length.
- Tunnel 16 m wide, 35 m long to train on tunnel traffic accidents.
- Training on safe parking for vehicles during dealing with traffic accidents.
- Dealing with different traffic accidents (ambulance services, firefighting, rescue).
- Training on the basics of the car structure & driving different kinds of vehicles.
- Training on managing the accident safely and use the equipment professionally when searching for injuries and on the working techniques in confined places.

- Training on firefighting & rescue operations inside ordinary houses.
- Training on rescue and searching operations.
- Training on boiler rooms fires and basement fires.
- Training on domestic garages and warehouses fires.
- Training on using different equipment and machines such as the breathing apparatus.

House Field Training



Search & Rescue Field



- Training on searching & rescue operations and team work method & mark the inspected buildings.
- Training on search & rescue inside tunnels.
- Training on different kinds of collapsing & supporting buildings that are about to fall.
- Training on using specialized equipment for search & rescue operations.

- Definition of breathing apparatus, its accessories & ways of wearing.
- Knowing basics & principles of safe action in the middle of smoke & temperature atmosphere.
- Working in humidity & temperature atmospheres.
- Working in confined spaces.
- Improving skills concerning wearing & using the breathing apparatus.
- Searching for injured and trapped persons & locate their presence.
- Efficient control & management for major accidents that require wearing breathing apparatus by many teams.
- Working within high intensity foam.



Breathing Apparatus Complex

With respect to the specialized courses that will be held in the academy, they include different domains in civil protection and civil defence as firefighting, paramedic, rescue, disasters, prevention and self protection, and other. Some of these courses are:

- Watch Command.
- Oil plants and refineries fires.
- Fire investigation.
- Command & operations.
- Managing major accidents inside active and important constructions.
- Search and rescue techniques.
- Diving and water rescue techniques.
- Road Traffic Accident Procedures.
- Dealing with hazardous materials (HAZMAT).
- Design and execution of automatic fire fighting alarm systems.
- Disaster management, risk assessment, an psychological support to the affected people.
- Management of emergency camps.
- The Civil Defence role in dealing with accidents resulted from terrorist actions.
- The role of the civil protection bodies in response to Weapons of Mass Destruction.
- Elementary course in first aid.
- Intermediate course in first aid.
- Advanced course in first aid.
- Midwife course.
- Progression of civil protection officers.
- Aviation Firefighting Course (elementary, intermediate and advanced).

The Academy is able to conduct any courses and upon demand for all levels, elementary, intermediate and advanced.

Academic Liaison, Rules, and Regulations

The Higher Education Council approved in session no. 12/2007 the establishment of Prince Hussein bin Abdullah II Academy of Civil Protection under the umbrella of the Applied Balqa' University and in academic cooperation with the University of Jordan. The role of the University of Jordan will be to oversee, administer, and execute the academic programs including direct teaching of courses. The agreement was signed on January 22, 2008. The academy has a Higher Council of the Academy chaired by the General Director of the Civil Defence, and encompasses nine distinguished members from the University of Jordan, Applied Balqa' University, the General Directorate of the Civil Defence, and two members to be chosen by the General Director. The High Council role is to set the general policies of the academy and to oversee the performance and progress of the academy. The academy is administered by an Academy Council which will be the executive body of the academy. The Academy Council is chaired by the Dean of the Academy, and encompasses eight members, three faculty members from University of Jordan, two faculty members from Applied Balqa' University, Vice Dean, and two officers from the Directorate of Civil Defence. The technical training and administrative supervision will be conducted by the administrative and training staff of the General Directorate of Civil Defence and by specialized experts.

Student Affairs

- The academy offers a precious opportunity for its students to develop their skills, scientific and practical knowledge that enables them to obtain job opportunities in many fields.
- The academy is provided with state of the art presentation equipment in their lecture rooms. Audio and video sessions are available as required. Among other facilities, languages and translation labs are available.
- The academy has established an advanced library that contains scientific literature and humanitarian references in addition to periodic releases specialized in various fields pertinent to the academy educational programs. In addition, the students may also use the labs and libraries of the University of Jordan.
- The academy has also sports facilities provided with different services and activities: Gymnasium hall, semi Olympic pool, playing ground and stadiums with capacity of more than 1,000 persons, multi purpose meetings hall, and others.
- The academy provides many services to the students which include, but not limited to, administrative transport buses from and to the academy, as well as medical clinics, dental clinics, pharmacy, mosque, cafeteria, and other facilities.
- The academy is provided with dormitories and clubs for the participants in the training courses furnished with all equipment, services, and basic needs such as (laundry, iron, hairshop, etc)
- The students of the academy are covered with health insurance used in the Applied Balqa' University and the General Directorate of the Civil Defence which undertakes all the incurred costs.

Admission and Registration

The academy uses the credit hours system in registering the presented programs courses according to the common procedure in the official Universities in Jordan, and with respect to the university fees. Admission and registration regulations in the academy will be determined and published later after approval of the Higher Council of the Academy and the Academy Council which requires the endorsement of the Ministry of Higher Education and Scientific Research. The academy accepts students of both genders from Jordan and abroad.

Future Vision of the Academy

The General Directorate of the Civil Defence seeks to fulfill the vision, ambitions, and goals of the academy by offering and exchanging international experiences to raise the level and the efficiency of the academy. Cooperation with universities and international centers of expertise will be adopted in order to develop the intended types and levels of the programs and the training courses.

The library of the academy will also be developed to include modern scientific references and specialized periodicals which will be electronically connected with international hybrid libraries. Prince Hussein bin Abdullah II Academy of Civil Protection will receive its first group of students in October 1, 2008.



For more information
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