



**MAHSA**  
UNIVERSITY

# **BACHELOR OF ENVIRONMENTAL HEALTH & SAFETY (HONS)**

**OPEN DISTANCE LEARNING**

KPT/JPS (N-DL/850/6/0025) (MQA/PA11784) 03/27

**FACULTY OF  
HEALTH SCIENCES**

"The environment and the economy are really both two sides of the same coin. If we cannot sustain the environment, we cannot sustain ourselves."

**-WANGRI MAATHAI  
GREENPEACE ACTIVIST**



## PROGRAMME OVERVIEW

Environmental Health and Safety (EHS) is a comprehensive study encompassing and ecosystem towards sustainable evolution of communities and their surrounding environment. The programme is offered and conducted as Full Time (FT) and Open Distance Learning (ODL) modes.

The scope of EHS involves proactive identification and evaluation of significant environmental health-related issues that may have adversely affected human health in many forms and pathways.

The Bachelor of Environmental Health and Safety (Hons) programme at MAHSA University is tailor made to cater for current and future needs of diverse industries and organisations. It is structured to produce competent and divergent graduates with amplified skills to lead the ever-evolving Environmental Health and Safety practice.

The services of trained environmental health officers (EHO) are much sought after by developing countries and MAHSA University has the experience and expertise to offer this professional and technical-based programme to all aspirant candidates.

Worldwide, environmental health practitioners are known as Environmental Health Officers (EHO), Public Health Inspectors (PHI), Environmental Health Specialists, or Sanitary Officers and are affiliated under the auspicious International Federation of Environmental Health (IFEH) body. In Malaysia, Environmental Health is one of the gazetted Allied Health professions in the Malaysian Allied Health Professions Act 2016, which underlines its standing and significance in the health care system.

## ADVANTAGES

This Environmental Health and Safety programme is affiliated under the International Federation of Environmental Health (IFEH) through the Malaysian Environmental Health Association (MAEH). This programme is also accredited by the Malaysian Department of Civil Service (JPA)



# ENTRY REQUIREMENTS

- Pass Matriculation/Pre-University/STPM or equivalent qualification with minimum CGPA 2.33 in TWO of the following subjects:
  - Biology
  - Physics/Mathematics
  - Chemistry
- Pass A-Level or equivalent qualification with minimum Grade D in TWO of the following subjects:
  - Biology
  - Physics/Mathematics
  - Chemistry
- Pass in South Australian Matriculation (SAM) – achieves 60% ATAR or minimum score 12 for three (3) subjects including:
  - Chemistry
  - Biology/Physics
  - One other subject
- Pass Diploma in Environmental Health from MAHSA University with minimum CGPA of 2.50
- Pass Diploma with minimum CGPA 2.75 in related field (other higher education institutions)
- Pass Diploma with CGPA less than 2.75 in related field and a minimum of 3 years (36 months) working experience in the related field
- Pass in International Baccalaureate (IB) with minimum 24 points including following subjects:
  - Chemistry
  - Biology/Physics
- Pass in Unified Examination Certificate (UEC) – achieves Grade B in five (5) subjects including:
  - Biology/Physics
  - Chemistry
  - Three other subjects
- Pass in Monash University Foundation Pre-University Program (MUFY)/Canadian Pre-University (CPU)/Canadian International Matriculation Program (CIMP)/Higher School Certificate–Sydney Australia/UNSW/HSC/New Zealand Bursary/American High School with Advanced Placement (AP)/Trinity College Foundation Studies/Western Australian Curriculum Council (WACC)/AUSMAT/South Australian Certificate of Education (SACE)/Western Australian Certificate of Education (WACE)/Victorian Certificate in Education (VCE)/Tertiary Entrance Examination (TEE)/Ontario Secondary School Diploma – achieve 60% ATAR or achieve 60% (aggregate) in following two (2) subjects:
  - Chemistry
  - Biology/Physics
- Pass in Indian Pre-University – achieves 60% (aggregate) or CGPA 2.50 including the following two (2) subjects:
  - Chemistry
  - Biology/Physics
- Other equivalent qualifications recognised by the Government of Malaysia
- English proficiency for international student:  
TOEFL (550) / IELTS (5.5) / MUET (Band 3)  
\*if the Entry Qualification to the programme is from a University where English is not the medium of instruction; OR pass an English Proficiency test approved by the University.\*

# PROGRAMME STRUCTURE

## Year 1

- Anatomy & Physiology
- Chemistry for Environmental Health
- Introduction to Soil and Hydrogeology
- Introduction to Environmental and Occupational Health & Safety
- English for Academic Purpose
- TITAS / Malaysian Studies
- Hubungan Etnik / BM Komunikasi 2

- Biochemistry for Environmental Health
- Microbiology for Environmental Health
- Diseases Related to Env. & Occupational Health
- Environmental & Occ. Health Legislation & Legal Procedures
- Health Promotion and Education
- English for Academic Writing

## Year 2

- Integrated Pest and Vector Management
- Statistics in Environmental & Occupational Health
- Epidemiology In Environmental & Occupational Health
- Practical Training I (Operational Area)
- Practical Training II (Disease, Pest & Vector Control)
- Food Safety

- Management of Water Supply & Quality
- Built Environment, Housing & Technology
- Practical Training III (Built Environment)
- Practical Training IV (Food Safety & Water Supply)
- Entrepreneurial Skills

## Year 3

- Integrated Solid Waste Management
- First Aid and Basic Life Support
- Environmental & Occupational Toxicology
- Occupational Health and Safety
- Youth Development
- Industrial Hygiene

- Behavioral Science
- Industrial Ergonomic
- Environmental & Occupational Monitoring & Surveillance
- Environmental Health Risk Assessment
- Community Work

## Year 4

- Waste Water Management
- Ethics and Laws for Health Science Professional
- Environmental & Occ. Emergency Response Management
- Management and Safety of Toxic Substances

- Research Methodology
- Research Project
- Industrial Training

## PROGRESSION PATHWAY



STPM / MATRICULATION /  
PRE-UNIVERSITY / A-LEVEL /  
DIPLOMA



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(HONS)**



JOB

## CAREER OPPORTUNITIES

Graduates enjoy rewarding career prospects such as:

- Environmental Health Officer (EHO) in the Ministry of Health / Ministry of Housing and Local Government / Local Authorities
- EHO's in Seaport / Airport Authorities and international border crossings
- EHO's in Solid Waste Management / Waste Water Management
- EHO's in industrial and manufacturing / construction sectors
- Hygiene Manager in Food Manufacturing / Services / Hospitality industries
- Safety and Health Officers / Managers in large corporations
- Consultants in the field of Environmental Health and Safety
- Lecturers in institutions of higher learning
- Career advancement is available from Post-graduates to Doctorate level.

More than 95% of MAHSA University Bachelor of EHS graduates are employed within 6 months after graduation.

## FACILITIES

MAHSA is equipped with well-established laboratory to provide practical and skills training. The programme provides industrial and practical internship and placement at the District Health Offices, Local Authorities and related industries. This would enrich their observed learning experiences and as well prepare the graduates to adapt to their future workplaces.



The Habitat



Library



Computer Lab



iMore E-Sport Arena



American Heart Support



Auditorium



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