



**MAHSA**  
UNIVERSITY

# BACHELOR OF ENVIRONMENTAL HEALTH AND SAFETY (HONS)

KPT/JPS (R2/853/6/0026) (A11426) 08/27

**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."

**- Wangari Maathai  
Greenpeace Activist**

”



## OVERVIEW

Environmental Health and Safety is a broad study of all aspects of human health determined by factor in the environmet which include biological, chemical, physical, social and psychosocial factors.

The Bachelor of Environmental Health and Safety (Hons) programme is designed to provide graduates with the necessary management and leadership skills in the management of Environmental Health and Safety.

This programme enables its graduate to seek employment in public sector as environmental health officer in municipal office, Department of Environment, Ministry of Health, or as occupational health executive in private company and research institution.

## PROGRAMME STRUCTURE

### Year 1 Sem 1

- Anatomy and Physiology
- Chemistry for Environmental Health
- Introduction to Soil and Hydrogeology
- Introduction to Environmental and Occupational Health & Safety
- English for Academic Purpose
- U1 (TITAS) / Malaysia Studies (English)

### Year 1 Sem 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
- U1 (Hubungan Etnik) / U1 (BM Komunikasi 2)

### Year 2 Sem 1

- 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)

### Year 2 Sem 2

- Food Safety
- Management of Water Supply & Quality
- Built Environment, Housing & Technology
- Practical Training III (Built Environment)
- Practical Training IV (Food Safety & Water Supply)
- U2 Entrepreneurial Skills

### Year 3 Sem 1

- Integrated Solid Waste Management
- First Aid & Basic Life Support
- Environmental & Occupational Toxicology
- Occupational Health & Safety
- U3 (Youth Development)

### Year 3 Sem 2

- Industrial Hygiene
- Behavioral Science
- Industrial Ergonomic
- Environmental & Occupational Monitoring & Surveillance
- Environmental Health Risk Assessment
- U4 (Community Work)

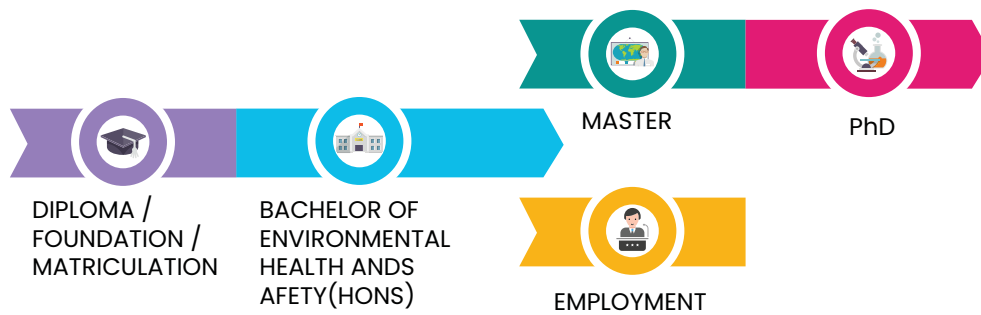
### Year 4 Sem 1

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

### Year 4 Sem 2

- Research Project
- Industrial Training

# PROGRESSION PATHWAY



## ENTRY REQUIREMENTS

### ACADEMIC QUALIFICATION REQUIREMENTS

- STPM / Matriculation / Pre-University** ◆ Minimum GPA 2.33 in TWO of the following subjects:
- Biology
  - Physics/Mathematics
  - Chemistry
- A-Level** ◆ Minimum Grade D in TWO of the following subjects:
- Biology
  - Physics/Mathematics
  - Chemistry
- Diploma** ◆ Minimum CGPA of 2.75 in related field
- ◆ CGPA less than 2.75 in related field and a minimum of 3 years working experience in the related field
- English Requirement** ◆ MUET Band 3 / IELTS (5.5) / TOEFL (550)
- English proficiency for international student** ◆ TOEFL (550) / IELTS (5.5) or equivalent

## CAREER OPPORTUNITIES

- Environmental Health Officer (EHO) in Ministry of Health / Ministry of Housing and Local Government / Local Authorities
- EHO in Port Authorities
- EHO in Solid Waste Management / Waste Water Management Company
- EHO in Industrial Sectors
- Hygiene Manager in Food Manufacturing Industry / Hospitality Industry
- Consultant in the field of Environmental Health and Safety
- Lecturer in Higher Education Institutions
- Career advancement is available from Post Graduate to Doctorate level.



# MAHSA360

At MAHSA University, we provide our students with the opportunity to develop quality skills and understanding that go beyond their field of study which will prepare them for their next leap upon graduation.

MAHSA 360 is our specially designed ecosystem that works to ensure every student is nurtured and supported throughout their student journey.



## MAHSA'S PASSPORT TO SUCCESS



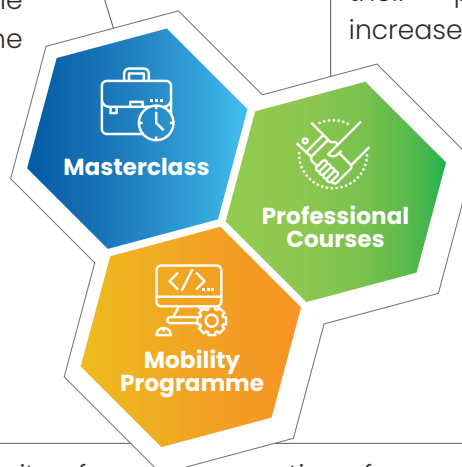
Professional Industry-Driven Education (P.R.I.D.E) is MAHSA University's specially designed education pathway that give students the best of both academic and professional certifications. Students have the opportunity to gain professional skills through various programmes from MAHSA's collaborations with internationally recognised professional bodies. P.R.I.D.E increases the employability rate of our fresh graduates and puts them on par with the rest in the professional world.

### MASTERCLASS

Students of this programme are eligible to gain add-on certification in Masterclasses. There are more than fifty Masterclasses to choose from, and all are designed to further enhance the student's employability, in line with the Industrial Revolution 4.0.

### PROFESSIONAL COURSES

Through MAHSA's collaboration with internationally recognised professional bodies, students will earn certifications that will enhance their professional skills and increases their employability rate.



### MOBILITY PROGRAMME

This is a unique opportunity for students to study abroad for up to one year. This programme lets students experience different cultures and

practices from around the world. Ask us about our university partners in over fifty different countries.

# MAHSA

U N I V E R S I T Y

# BE MORE



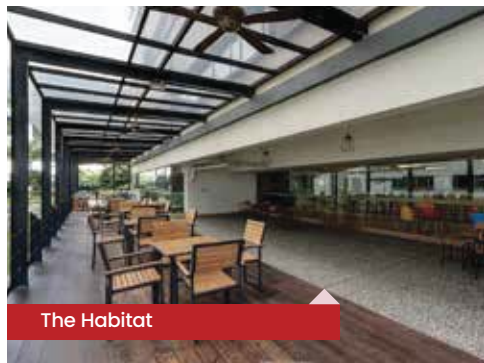
American Heart Support



Residences



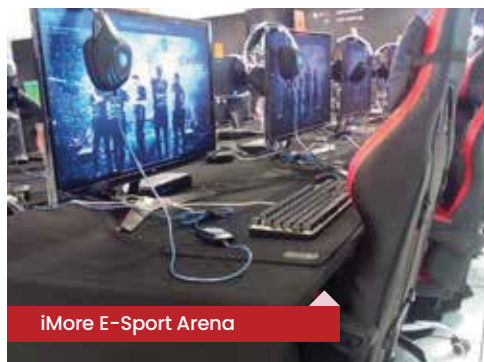
Auditorium



The Habitat



Library



iMore E-Sport Arena

Contact us  
**1800 88 0300**

[www.mahsa.edu](http://www.mahsa.edu)

Jalan SP2,  
Bandar Saujana Putra,  
42610 Jenjarom,  
Selangor, Malaysia

 1800-88-0300

 +603-5102 2200

 +603-7931 7118

 [marketing@mahsa.edu.my](mailto:marketing@mahsa.edu.my)

Follow us :



MAHSA UNIVERSITY