



**MAHSA**  
UNIVERSITY



*DIPLOMA IN*  
**OCCUPATIONAL  
SAFETY & HEALTH**

KPT/JPS (N/862/4/0067) (PA13380) 08/25

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**FACULTY OF  
HEALTH SCIENCES**

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# PROGRAMME OVERVIEW

The Diploma in Occupational Safety and Health at MAHSA University is a 3-year programme that prepares students for a career in the Occupational Safety and Health field. This programme has been developed to meet the growing demand for safety and health practitioners as the government continues its quest to reduce and prevent industrial accidents and occupational diseases. Occupational safety and health practitioners are needed to manage and improve employees' health and wellness across workplaces and industries which in turn are important for improving legislative compliance, productivity, efficiency and morale in organisations.

Occupational Safety and Health (OSH) is a field of public health that studies trends in illnesses and injuries in the worker population and proposes as well as implements strategies and regulations to prevent them. Its scope is broad, encompassing a wide variety of disciplines, from industrial hygiene, engineering, toxicology and epidemiology to ergonomics and violence prevention. The issues studied and regulated by OSH practitioners today vary widely by sector. For example, risks such as falling from heights and injury from heavy machinery might be of greater concern to construction workers, whereas mental health and repetitive stress injuries might be the focus in office environments.

The Diploma in Occupational Safety and Health is tailored to cater for the current and future needs of diverse industries and organisations. To this end, MAHSA University has taken a bold step to envisage the global and national vision of the current and future industrial revolution by moulding competent graduates who are well rounded with the necessary soft skills and attitudes to lead the ever-evolving OSH landscape.

MAHSA University's Diploma in Occupational Safety and Health graduates will be assets to their employers and companies where they will be able to establish, monitor and maintain a safe and healthy working environment for all of the employees.

## CRITICAL PROBLEM STATEMENT

**What is the national situation at hand in terms of demand/shortage/career evolution that will make learning this programme worthwhile?**

Malaysia currently lacks at least 9,000 safety and health officers (SHOs) and demand is expected to grow with multiple mega projects in the pipeline. There are currently 14 million workers in Malaysia and this is expected to increase significantly when mega projects begin construction, furthering the need for SHOs to monitor work sites (NIOSH, 2018).

**How will this programme support the talent shortage/critical talent list in the country?**

The scope of OSH practice is carried out by well-trained and registered Safety Health Officer professionals in the public and private sectors through multitasking of work in the areas of organisation, management, education, enforcement, consultation, and audit for the purpose of promotion and to provide a safe working environment for all of their employees. The OSH Master Plan by the Human Resources Ministry, which set a target of only 2 workplace accident cases per 1,000 workers in 2020, similar to the rate in developed countries. MAHSA University aims to be the avenue for promoting continuous professional education to complement this plan.

**Based on employability factors, why should one study this programme?**

- Occupational Safety and Health is listed as one of the critical occupations by the Malaysian Human Resource Ministry (in the 2019/2020 Talent Corp Critical Occupation List). It has been established that there is a demand for and shortage of professionals in this field.
- OSH practitioners can find employment opportunities in a wide variety of settings such as construction, factories, petrochemicals, mining and offices. As long as there is a risk in the safety and health of employees, tenants or guests, the expertise of professionals in this field will be needed. After all, not only do workplace accidents cost businesses money via compensation and fines, they are also a source of bad publicity and low staff morale.
- OSH practitioners can also be a part of the health frontline. While you may not be directly involved in saving lives, you will be a part of the health heroes toiling tirelessly to prevent workplace accidents from occurring, thus reducing fatalities and the need for people to seek medical aid.

# PROGRAMME STRUCTURE

## YEAR 1

### SEM 1

- Anatomy and Physiology
- Industrial Chemistry
- Introduction To Occupational Safety
- Pengajian Malaysia/Bahasa Melayu Komunikasi (U1)
- English for Academic Purpose

### SEM 2

- Occupational Safety and Health Legislation
- Physics
- Introduction to Occupational Health
- Organizational Leadership
- English for Academic Writing

### SEM 3

- Ergonomics and Human Factors in Safety
- Creative & Critical Thinking (U2)
- Hazard Identification and Risk Control

### SEM 1

- Occupational Safety & Health Statistics
- Accident and Incident Investigation at Workplace
- Fire Prevention and Protection System
- Industrial Hygiene
- Co-curricular project (U4)

### SEM 2

- Machinery and Equipment Safety
- Introduction to Hazardous Substances and Occupational Toxicology
- Safety and Health in Construction
- Elective 1
- Time Management (U3)

### SEM 3

- Emergency Response and Planning
- Occupational Safety and Health Surveillance and Monitoring
- Workplace Inspection
- Management of Occupational Safety and Health Information and Data System

## YEAR 3

### SEM 1

- Industrial Training 1

### SEM 2

- Industrial Training 2

### SEM 2

- Management of Workplace Safety and Health
- Elective 2
- Elective 3

### ELECTIVES

- Introduction to Process Safety
- First Aid
- Hazardous Waste Management
- Introduction to Environmental Management System

## CAREER OPPORTUNITY

- Occupational Safety and Health Officer
- Environmental Health Officer (OSHO) in Department of Occupational safety and Health Malaysia
- Safety and Health Officer (SHO) in various sectors
- Safety Executive in various sectors, Industrial Hygienist
- Site Safety Supervisor
- Consultant in the field of Occupational Safety and Health

## ENTRY REQUIREMENTS

### Academic Qualification

### Requirements

SPM

SPM or equivalent with PASS in Bahasa Malaysia and English and 3 credits in the following subjects:  
• Mathematics or ONE science subject (Biology/Physics/Chemistry/General Science); and  
• Any other TWO subjects (including Bahasa Malaysia and/or English if credits)

GCE / O Level

GCE/O Level or equivalent with PASS in Bahasa Malaysia and English and 3 credits (Grade C) in the following subjects:  
• Mathematics or ONE science subject (Biology/Physics/Chemistry/General Science); and  
• Any other TWO subjects (including Bahasa Malaysia and/or English if obtained Grade C)

Certificate

Certificate related to Health Sciences with minimum CGPA 2.50

# 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 of the professional world.

## MASTERCLASS

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

## MOBILITY PROGRAMME

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

## PROFESSIONAL COURSES

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



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

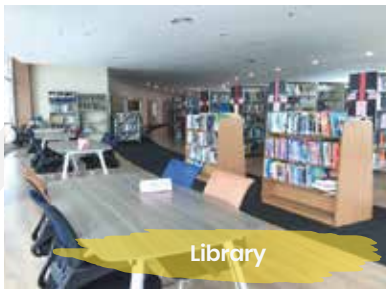
# MAHSA BE MORE



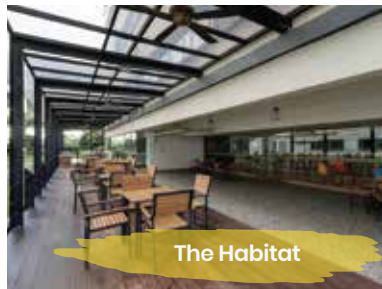
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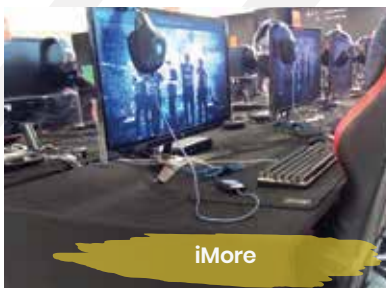
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Library



The Habitat



iMore



Residences



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