

International

Academic Requirement:

- i) Completed 12 years of Primary and High School Education and
- ii) Obtained High School Certificate (eg. A-Level, HSC, SMU & Matayom Suksa 6 (Thailand), International Baccalaureate etc.) OR
- iii) Diploma in the related field

English Requirement:

- i) IELTS minimum Band 5.0 or
- ii) TOEFL iBT minimum score of 40 or
- iii) TOEFL Essentials Online minimum score of 7.5 or
- iv) Cambridge English: Advanced (CAE) minimum score of 154 or
- v) Cambridge English: Proficiency (CPE) minimum score of 154 or
- vi) Cambridge English: Linguaskill Online minimum score of 154 or
- vii) PTE Academic / PTE Academic (Online) minimum score of 47 or
- viii) Malaysian University English Test minimum Band 3.5 or
- ix) ELS Certified Intensive English Programme Level (CIEP Level) minimum score of 107 or
- x) Candidates from countries where English is the official language or
- xi) Candidate from an institution in which the medium instruction is English; and
- xii) Passed with Credit in Intensive Preparatory Bahasa Malaysia Programme (for candidates pursuing programmes conducted in the National Language) <http://www.ppblit.usm.my/index.php/program/language-courses/malay-language>
You are recommended to enrol in USM Intensive English Programme as preparation course before IELTS examination. For more information, kindly visit : <https://ppblit.usm.my/index.php/program/intensive-english>

University Requirement:
Passed the USM Interview

All applications can only be made through online via UPU online (STPM/and its equivalent) upu.mohe.gov.my or pohon.usm.my (International/USM+1)

CAREER PROSPECTS

Graduates of a Bachelor in Environmental and Occupational Health (EOH) can pursue a wide range of careers in the public and private sectors including construction, manufacturing, mining, oil and gas, transportation, healthcare, education, government, consulting and more. Common job titles include:

- Safety and Health Officers/Executives
- Environmental Health Officers/Executives
- Safety Engineer
- Industrial Hygienist
- Risk Assessor
- Environmental and occupational safety and health Scientist
- Ergonomist
- Occupational Psychologist
- Public Health Officer
- Safety Consultant

Why is an EOH degree in demand?

- Employers have a legal obligation to provide a safe and healthy workplace for their employees.
- EOH graduates have the skills and knowledge to help employers meet their safety and health obligations.
- EOH graduates can play a vital role in preventing accidents and injuries.
- EOH graduates can help to improve the overall health and well-being of workers.

FOR MORE INFORMATION PLEASE CONTACT

✉ Academic Office
School of Health Sciences, Health Campus
Universiti Sains Malaysia
16150 Kubang Kerian, KELANTAN

☎ +609 767 7507 📠 +609 767 7505

🌐 health.usm.my | upu.mohe.gov.my
📧 admission.usm.my | pohon.usm.my



SCHOOL OF HEALTH SCIENCES
UNIVERSITI SAINS MALAYSIA

BACHELOR IN ENVIRONMENTAL AND OCCUPATIONAL HEALTH WITH HONOURS



INTRODUCTION

Environmental and Occupational Health Programme

The Bachelor in Environmental and Occupational Health is a four-year undergraduate programme that prepares students for careers in the field of environmental and occupational safety and health (EOSH). The programme is recognised and accredited by the Malaysian Qualifications Agency (MQA) and the Malaysia Department of Safety and Health (DOSH) for the Safety and Health Officer competencies.

THE AIMS OF THE PROGRAMME

With highly capable teams supported by comprehensive educational facilities and practical equipment, the Environmental and Occupational Health programme aims to produce future professionals who are:

- Environmental and Occupational Health intellectual and professional graduates who possess theoretical knowledge and practical experience required in the field of Environmental and Occupational Health in ensuring local and international competitiveness.
- Environmental and Occupational Health graduates who possess high ethical standards, responsible and capable to assist enforcements of related environmental and occupational health legislations in local and private sectors.
- Environmental and Occupational Health graduates who can apply the knowledge to develop and sustain social well-being, capability which are enhanced by the collaboration in teaching, learning and research industries and other stakeholders.

CURRICULUM COMPONENTS

Core courses	Elective Courses
114	6
University Courses	Total Credit Units
15	135

CORE COURSES

In addition to opportunities for professional certifications, students gain hands-on experience with real EOSH projects and on-the-job training through an industrial internship, applying the following EOSH body of knowledge:

- Occupational Safety
- Occupational Health
- Risk Management
- Occupational Safety and Health Management
- EOSH in Project Management
- Psychology and Behavioural Science
- Fire Safety
- Process Safety
- Emergency Response and Planning
- Industrial Chemistry
- Industrial Hygiene
- Ergonomic
- Environmental and Occupational Toxicology
- Occupational Diseases
- Communicable Disease Control
- Pest and Vector Control
- Food Hygiene and Safety
- Waste Management
- Water and wastewater management
- Environmental Management

ADMISSION

Local

- a) KPM Matriculation/Foundation (UM, UKM, UITM)
- i) Passed SPM or its equivalence, **AND**
 - ii) Possessed a pass in Matriculation / Foundation with CGPA not less than 2.75 **AND**
 - iii) Obtained a minimum grade of C+ (CGPA 2.33) in any two subjects (Biology, Physics, Chemistry, Mathematics) **AND**
 - iv) Passed MUET with at least band 3
- b) STPM
- i) Passed SPM or its equivalence, and
 - ii) Possessed a pass in STPM with CGPA not less than 2.75, **AND**
 - iii) Obtained a minimum grade of C+ (CGPA 2.33) in any two subjects (Biology, Physics, Chemistry, Mathematics T), **AND**
 - iv) Passed MUET with at least band 3
- c) Diploma and its equivalent
- i) Diploma in a related field with at least a CGPA of 2.75 **OR**
 - ii) Passed A-Level with a minimum score of 10 and obtained at least Grade C in any two (2) of the following subjects: Biology/Chemistry/Physics/Mathematics **OR**
 - iii) Passed International Baccalaureate (IB) with a minimum score of 24 and at least a score of 4 at the High Level (HL) level in any two (2) of the following subjects: Biology/Chemistry/Physics/Mathematics **OR**
 - iv) Passed AUSMAT/SAM with obtain a minimum aggregate of 45 and obtain at least Grade C in any two (2) of the following subjects:
 - v) Biology/Chemistry/Physics/Mathematics **OR** Other qualifications recognized as equivalent and certified by the USM Senate **AND**
 - vi) Obtained least Level 3 (Band 3) in MUET or equivalent.