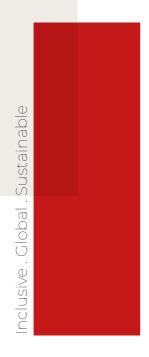


# MASTER OF ENGINEERING IN ENERGY AND ENVIRONMENT



FACULTY OF ENGINEERING

by coursework

FEBRUARY & SEPTEMBER Intakes

# INTRODUCTION

This new Master of Engineering in Energy and Environment programme by coursework is specifically tailored to equip fresh graduates, practicing engineers and academicians with advanced knowledge and skills required in energy and environmental sectors. The programme offers a comprehensive course structure delivered by our experienced academicians and industrial partners, which emphasizes on recent engineering practices and industrial-based research projects. This is the first such programme has ever offered on Borneo.

# ADMISSION

The Master of Engineering in Energy and Environment programme starts in September and February every year. Application is open throughout the year and can be done online via: https://cgsweb.unimas.my/PGApplication/

### Semester 1

KNC6013 Advanced Conventional

Energy System

KNC6023 Advanced Renewable Energy

System

KNC6033 Energy and Environment

Sustainability

KNC6173 Research Methodology

KNC6XX3 Elective Course

# Intersession

KNC61810 Research Project

### List of Elective Courses\*

KNC6073 Advanced Environmental Pollution Control KNC6083 Risk and Hazard Management in Energy

Sector

KNC6133 Sustainable Project Management KNC6143 Industrial Hygiene in Energy Sector

KNC6153 Emerging Energy & Environment

**Technologies** 

KNC6193 Modeling Energy System

KNC6203 Waste Management in Oil and Gas Industry

KNC6213 Enhanced Oil Recovery

\*The elective courses offered in each semester are subject to the minimum number of students registering for the programme.

## Semester 2

KNC6063 Energy and Environment Law and Policy

KNC6103 Advanced Energy Optimization and Economics
KNC6113 Advanced Environmental Impact Assessment

KNC6XX3 Elective Course

KNC6XX3 Elective Course

# DURATION OF THE PROGRAMME

Master of Engineering in Energy and Environment is a master programme by coursework with minimum of 1 year to maximum of 4 years on full time. Teaching and learning activities for the programme are conducted in weekends.

# FACILITIES AND RESOURCES

To support your studies, University provides various facilities and resources such as:

- Process Control Laboratory
- Analytical Chemistry Laboratory
- Computer Laboratory
- Simulation Laboratory
- Chemistry Laboratory
- Environment & Energy Sustainability Laboratory
- General Workshop
- Unit Operation (Heat & Mass Transfer) Laboratory

# WHO SHOULD APPLY

The programme aims at providing opportunities to various group of potential candidates such as:

- Fresh gradutes
- Practicing engineers
- Academicians

# COURSF FFFS

Malaysian student **RM27,225.00**International student **RM38,900.00** 

Fees include administrative, tuition and course materials for the duration of the programme. Further payment will be required if the students extend their studies.

# ENTRY REQUIREMENTS

The entry requirements for the programme are as follows:

- An Engineering Bachelor's Degree (Mechanical/Chemical/Civil/Environment) or any related Science Bachelor's Degree (Chemistry/Environment) with a minimum CGPA of 2.50, as accepted by the Senate;
- An Engineering Bachelor's Degree (Mechanical/Chemical/Civil/Environment) or any related Science Bachelor's Degree (Chemistry/Environment) but with CGPA less than 2.50 (minimum 2.00), may be admitted subject to a rigorous internal assessment;
- Candidates without a qualification in the related fields or working experience in the relevant fields must undergo appropriate prerequisite courses determined by the HEP and meet the minimum CGPA; or
- Other equivalent qualifications approved by the Senate
- For international students, a minimum IELTS Score of 5.5 or its equivalent (e.g TOEFL-525; TOEFL Computer Test -196; TOEFL Internet Test 69-70) is required.

# PROGRAMME SCHEDULE

The programme requires students to accumulate 40 credit hours in their studies in which preferably 15 credit hours are completed in Semester 1 and Semester 2 respectively and 10 credit hours in the intersession semester.

# CONTACT US

### PHONE NUMBERS

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