

MASTER OF **ENGINEERING IN ENERGY AND ENVIRONMENT**

Community-Driven University For a Sustainable World

FACULTY OF ENGINEERING

by coursework

**OCTOBER,
FEBRUARY & JUNE**

Intakes

INTRODUCTION

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. The programme is based on a trimester system; October, February and June in an academic year.

ENTRY REQUIREMENTS

- A Bachelor's Degree in the field of engineering (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; or
- A Bachelor's Degree in the field of engineering (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; or
- 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 5.0 or its equivalent (e.g. MUET Band 3.5; TOEFL iBT 40; TOEFL Essential (Online) 7.5, Pearson Test of English 47, Cambridge English Qualifications and Tests 154)* is required.

ALTERNATIVE OPTION FOR ADMISSION

APEL. A for Access

- APEL.A is applicable to local and international applicants who do not meet the regular entry requirements imposed by academic programmes at any MQF level
- Applicants applying for entry via the APEL.A must meet the minimum age requirements stipulated for the various level of qualifications
- Applicants must fulfil the minimum formal qualifications stipulated, for Master's and Doctorate level
- Applicants applying for entry via the APEL.A must have prior experiential learning

POTENTIAL APPLICANTS

- Fresh graduates
- Practising engineers
- Project Executives

DURATION OF PROGRAMME

Full Time

1-4 years

Part Time

2-6 years

PROGRAMME SCHEDULE

The programme requires students to accumulate 40 credit hours in their studies. All teaching and learning activities are conducted during the weekends (Saturday & Sunday) for both mode of study (full time & part time).

FACILITIES & RESOURCES

- Perpustakaan Tun Abdul Rahman Ya'kub (PeTARY)
- Computing Facilities
- Online Learning Support
- Resources Rooms
- Laboratory Facilities

PROGRAMME STRUCTURE

Semester 1

KNC6063	Energy and Environment Law and Policy
KNC6103	Advanced Energy Optimization and Economics
KNC6233	Environmental Impact Assessment
KNC6173	Research Methodology
Elective 1	

Semester 2

KNC6223	Conventional Energy System
KNC6023	Advanced Renewable Energy System
KNC6033	Energy and Environment Sustainability
Elective 2	
Elective 3	

Semester 3

KNC61810	Research Project
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COURSE FEES

Full Time:
Malaysian student **RM27,326.00**
International student **RM38,900.00**

Part Time:
Malaysian student **RM27,672.00**

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

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 and 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.

FAST TRACK OPTION

APEL.C for Credit Transfer

Qualified individuals with relevant prior learning experiences could take APEL. C assessments (Portfolio/Challenge Test) for credit transfer in APEL Assessment Centre, UNIMAS.

CONTACT US

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For General Inquiries

Centre for Graduate Studies

Universiti Malaysia Sarawak (UNIMAS)
94300 Kota Samarahan, Sarawak, Malaysia.
Website: <http://www.postgrad.unimas.my>
Phone: +6082 58 1067/1066/1069

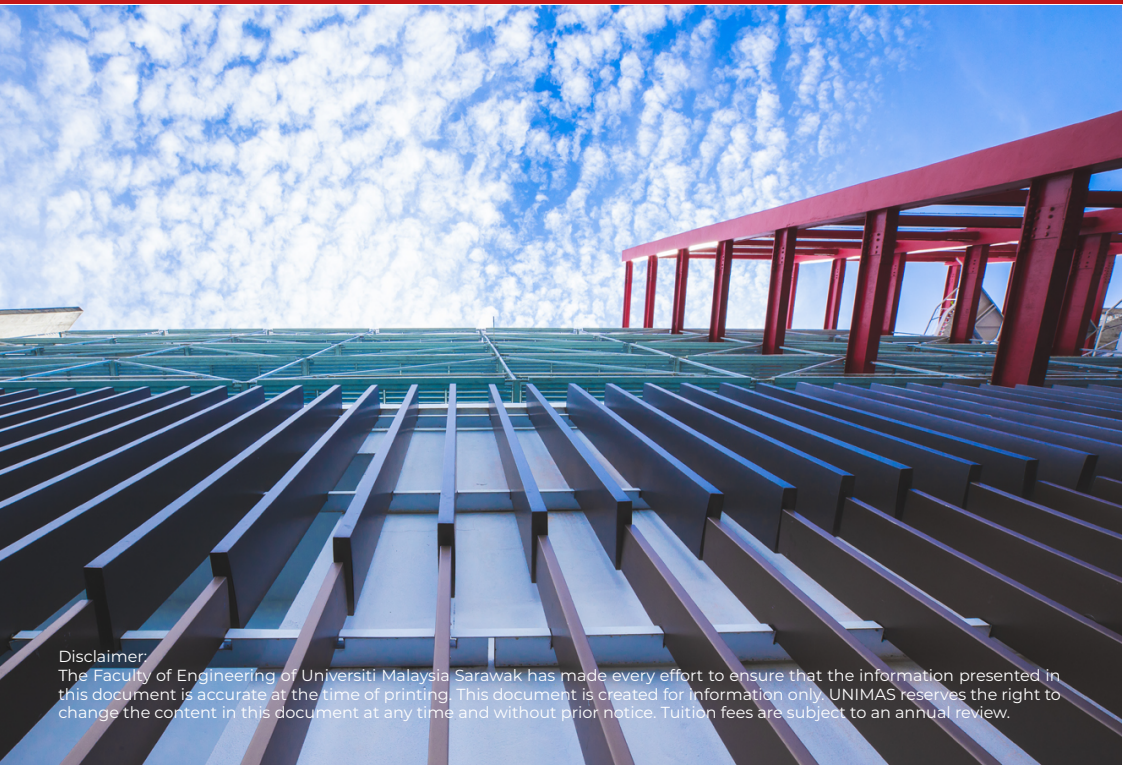
UNIMAS Business School

Level 4, UNIMAS City Campus
Lot 77, Section 22, KTLD
Jalan Tun Ahmad Zaidi Adruce
93150 Kuching, Sarawak, Malaysia.
Website: <https://www.business.unimas.my>
Phone: +6082-222111
Email: ubs@unimas.my

APPLICATION PROCEDURE

Application must be submitted online at
<https://oas.ia.unimas.my>

Application is open throughout the year.



Disclaimer

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