UNIMAS
UNIVERSITI MALAYSIA SARAWAK

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

i. A Bachelor's Degree in Engineering / Engineering Technology or its equivalent with a minimum Cumulative Grade Point Average (CGPA) of 2.50 as accepted by the UNIMAS Senate; or

ii. A Bachelor's Degree in Engineering / Engineering Technology or equivalent with a minimum CGPA of 2.00 and not meeting a CGPA of 2.50, can be accepted 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 UNIMAS and meet the minimum CGPA based on (i) to (ii); or

iii. For Malaysian candidates who do not have a bachelor's degree, candidates have at least a STPM or Diploma in Science, Technology, Engineering or Mathematics from a university recognized by MQA and have working experience in a field related to engineering, energy and environment and passed

iv. the APEL.A T-7 assessment.

v. For international students, TOEFL score of 500 OR 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 (PTE) 47, Cambridge English Qualifications and Tests 154) is required. If a student does not meet this requirement, UNIMAS must offer English proficiency courses to ensure that the student's proficiency is sufficient to meet the needs of the programme.

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	Part Time
1-4 years	**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

COURSE FEES

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

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

Fee include administrative, tuiton and course materials for the duration of the programme. Furhter payment will be required if the students extend their studies.

PROGRAMME STRUCTURE

Semester 1

KNC6063	Energy and Environment Law and Policy
KNC6103	Advanced Energy Optimisation and Economics
KNC6233	Enrionment Impact Assessment
KNC6173	Research Methodology

Semester 2

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

Semester 3

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 and Environment Technologies
KNC6193	Modeling Energy System
KNC6203	Waste Management in Oil and Gas Industry
KNC6203	Enhanced Oil Recovery

*The elective courses offered in each ssemester 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 (Porfolio/Challenge Test) for credit transfer in APEL Assessment Centre, UNIMAS.

CONTACT US

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For General Inquiries

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Website: https://www.business.unimas.my
Phone: +6082 222111
Email: ubs@unimas.my

APPLICATION PROCEDURE

Application must be submitted online at **https://oas.aa.unimas.my**

Application is open throughout the year.

