

Intake Schedule

The intake is in the first semester (October) and the second semester (March) of every session.

Fees

The course fees can be found at:
<https://ias.um.edu.my/master-of-renewable-energy-mre>

Further Information

More detailed information of this programme are available from the Institute for Advanced Studies (formerly Institute of Graduate Studies) website at www.ias.um.edu.my



UMPEDAC Solar Garden

Contact Us

Details of MRE Program

UM Power Energy Dedicated Advanced Centre (UMPEDAC)

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Admission & Registration

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INSTITUT PENGAJIAN TERMAJU
Institute for Advanced Studies



Higher Institution Centre of Excellence (HICoE)

UMPEDAC

UM Power Energy Dedicated Advanced Centre

MASTER OF RENEWABLE ENERGY

Opportunity to Study in Japan

Kyoto University

MASTER OF RENEWABLE ENERGY DOUBLE DEGREE PROGRAM



Introduction

Master of Renewable Energy Programme is designed to produce experts in the field of Renewable Energy among local and international students. This program offers opportunity for professional and graduate students with advanced understanding in various core applications in Renewable Energy technology and management. The programme aims to develop human resources with the knowledge and skills to advance research and development of effective measures to address current energy issues. It also offers an education that is directly relevant to the latest advancements in the Renewable Energy related industry.

Benefits

The students will be exposed to the latest equipment, tools, and technologies in building a strong understanding of the principles and techniques of electrical power engineering. In addition, the students will have the opportunity to observe real-world applications and best practices during industry-relevant field trips to various advanced institutions and establishments around the world.

Opportunity to Study in Japan

Master of Renewable Energy is a **matching programme** for Master of Energy Science with Kyoto University, Japan under the University of Malaya - Kyoto University, Double Degree Memorandum of Agreement on 16th August 2008. Students will be awarded two Master Degrees from University of Malaya and Kyoto University, Japan by means of overseas study programme with credit transfer.

Admission Requirement

Candidate must have a Bachelor's Degree not less than 3.0 CGPA in a related engineering field or Science related or equivalent.

OR

Other qualifications approved by the Senate from time to time.

Applicants with a Bachelor's Degree less than 3.0 CCPA (2.7 - 2.99) can be considered if;
Fulfill at least **ONE** admission criteria*.

Applicants with a Bachelor's Degree less than 2.7 CCPA (2.5 - 2.69) can be considered if;
Fulfill at least **TWO** admission criteria#.

Admission Criteria:

- University of Malaya graduate*
- Have at least one (1) year of work experience in a related field *#
- Produce publications in relevant fields *#
- Scholarship recipients *#
- Government agency staff *#
- Pass the interview by the Faculty *#; or
- Pass the Faculty's Special Assessment *#

Language Requirement (for International Candidates)

Must have at least IELTS Band 5.5 (academic) or TOEFL 550 (paper-based) / 213 (computer-based) / 80 (internet-based);

OR

Pass English course required by the University.

Program Structure

The programme has a total of forty two (42) credit hours consisting of:

- Five (5) core courses whereby each course carries three (3) credit hours; **AND**
- Research Project, twelve (12) credit hours; **AND**
- Five (5) elective courses whereby each course carries three (3) credit hours; **OR**
- Any other courses offered by UMPEDAC.

Core Subjects

The core subjects in this programme are:

- Research Methodology
- Energy for Sustainable Development
- Energy Policy
- Energy Efficiency & Management
- Foundation of Renewable Energy
- Research Project

Elective Subjects

The elective subjects in this programme are:

- Smart Grid*
- Bioenergy*
- Energy Storage Technology
- Low Carbon Buildings
- Energy Economics
- Solar Energy*
- Hydro Energy*

** Course content may contain technical aspect.*