

Intake Schedule

The intake is in the first semester (September) and the second semester (February) of every session.

Fees

The course fees can be found at:
<https://ips.um.edu.my/services/finance/fees-structure>

Further Information

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



UMPEDAC Solar Garden

#87 2019
WORLD UNIVERSITY RANKINGS

19
Asia 2019
WORLD UNIVERSITY RANKINGS

301-350
THE WORLD UNIVERSITY RANKINGS 2019

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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**



www.umpedac.um.edu.my

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 can 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:

- Working experience in related field; OR
- One (1) ISI publication; OR
- Scholarship holder; OR
- UM graduate

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
- Research Project
- Energy and Sustainable Development
- Energy Policy
- Energy Conservation & Management
- Foundation of Renewable Energy

Elective Subjects

The elective subjects in this programme are:

- Energy and Environment
- Renewable Energy Resources and Applications
- Smart Grid*
- Bioenergy*
- Energy Storage Technology
- Zero Carbon Buildings
- Energy Economics
- Solar Energy*
- Hydro Energy*

* Course content may contain technical aspect.