

# APPLICATION PROCESS

- Create an account via the application portal at [apply.um.edu.my](https://apply.um.edu.my). Fill out the form and upload the required documents accordingly.
- Remit an application fee via FPX, Debit Card, Credit Card, or Flywire for each application submitted.
- An acknowledgment email will be sent out once the payment is made, to notify that the application submitted has been received.
- Check the application result regularly through the application portal, and only successful applicants can view the offer letter.

(For more information, please visit <https://umpedac.um.edu.my/download>)

**APPLY NOW!**

Flexible schedule with weekend classes to accommodate working professionals

Our roles is to contribute on UNDP's Sustainable Development Goals on these 5 goals:



Higher Institution Centre of Excellence (HICOE)  
UM Power Energy Dedicated Advanced Centre (UMPEDAC)

Level 4, Wisma R&D Universiti Malaya  
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[umpedac@um.edu.my](mailto:umpedac@um.edu.my)



Office Hours:  
Monday - Friday (8.00 am - 5.00 pm)

Follow Us



“Join us in driving the future of sustainable energy”



**MASTER of**

**RENEWABLE ENERGY**

[UMPEDAC.UM.EDU.MY](https://umpedac.um.edu.my)



## PROGRAM OVERVIEW

Our Master of Renewable Energy program equips you with the skills and knowledge needed to become a leader in the rapidly growing field of sustainable energy. Join us to innovate and drive the transition to a cleaner, greener future.

## WHY CHOOSE OUR PROGRAM

- Cutting-edge curriculum
- Expert faculty
- Hands-on experience
- Global networking opportunities
- Career advancement support

## OPPORTUNITY TO STUDY IN JAPAN

- This programme is a matching programme for Master of Energy Science from Kyoto University, Japan under the University of Malaya - Kyoto University Double Degree Memorandum of Agreement signed on 16th August 2008.
- Students can be awarded two Master Degrees from Universiti Malaya (UM) and Kyoto University (KU), Japan by means of overseas study programme with credit transfer.



## ENTRY REQUIREMENTS

- Bachelor's Degree or equivalent in the related field with minimum CGPA of 3.00 or its equivalent; OR,
- Bachelor's Degree with a CGPA between 2.70 to 2.99 AND fulfil at least one (1) criterion as follows;
  - a. Universiti Malaya graduate; OR
  - b. Has at least one (1) year of working experience in a related field; OR
  - c. Has produced publications in the related fields; OR
  - d. Scholarship recipient; OR
  - e. Government agency staff; OR
  - f. Pass the interview conducted by the Faculty; OR
  - g. Pass the special assessment by the Faculty.

## ENGLISH LANGUAGE REQUIREMENTS

- IELTS: A minimum score of Band 5.5; OR
- TOEFL: A minimum score of 550 for Paper-based Test (PBT) / 213 for Computer-Based Test (CBT) / 80 for Internet-based Test (IBT).

## PROGRAM INTAKE



## PROGRAM STRUCTURE

This program consists of 42 credit hours:

- Core courses: 15 credits (3 credits per subject)
- Research project: 12 credits (6 credits per semester)
- Elective courses: 15 credits (Choose 5 subjects, 3 credits per subject)

Minimum duration of study is 2 semesters and maximum are 8 semesters.

### CORE COURSES (COMPULSORY)

- Research Methodology (3)
- Research Project (12)
- Energy and Sustainable Development (3)
- Energy Policy (3)
- Energy Efficiency and Management (3)
- Foundation of Renewable Energy (3)

### ELECTIVES COURSES (CHOOSE 5 SUBJECTS)

- Smart Grid (3)
- Bioenergy (3)
- Energy Storage Technology (3)
- Low Carbon Buildings (3)
- Energy Economics (3)
- Solar Energy (3)
- Hydro Energy (3)
- Hydrogen Technology (3)

\*() - Credit Hours

## RESEARCH PROJECT

- 12 credit hours and comprised of Research Project 1 and Research Project 2.
- Must be completed in 2 consecutive semesters back-to-back.