

Doctor of Philosophy (PhD) & Master of Science (MSc)

BY RESEARCH MODE



The Fuel Cell Institute (SELFUEL) was established officially at the Universiti Kebangsaan Malaysia by the Department of Higher Education, Ministry of Higher Education Malaysia in July 2006 as the first research institute in Malaysia conducting research in the fields of fuel cell engineering, hydrogen energy and energy management, & policy.



The fields of:

**Fuel Cell
Engineering**

**Hydrogen
Energy**

**Energy
Management**

Policy

Program Structure & Entry Requirements

Doctor of Philosophy

The delivery of this program is as follows:

- Presenting research proposal and progress in the Graduate Seminar
- Research and preparation of thesis
- Candidates are required to register and pass 8 credits as follows:

4 credits of Advance Research Methodology (Science & Technology) course and 4 credits of elective courses (any two courses):

- Advanced Hydrogen Energy; OR
- Advanced Energy Management and Policy; OR
- Advanced Fuel Cell Electrochemistry; OR
Advanced Fuel Cell System and Application

Venturing into Low Carbon & Hydrogen Economy

-Register & pass the Malay language course (for international candidates only).

-At least two (2) articles have been published or received for publication in journals indexed by the Web of Science (WoS).

The minimum entry requirements are as follows:

- Bachelor's Degree with Honors & have a CGPA of 3.67 & above from Universiti Kebangsaan Malaysia or equivalent from any institution of higher learning recognized by the Senate; OR
- Master's Degree from Universiti Kebangsaan Malaysia or equivalent from any institution of higher learning recognized by the Senate.

Master of Science

The delivery of this program is as follows:

-Present research proposal and progress in the Graduate Seminar

-Research and preparation of thesis

-Candidates are required to register and pass 6 credits as follows:

4 credits of Research Methodology (Science and Technology) course and 2 credits of elective courses (any 1 course):

- Hydrogen Energy; OR
- Energy Management and Policy; OR
- Fuel Cell Electrochemistry; OR
- Fuel Cell System and Application

-Register & pass the Malay language course (for international candidates only).

-At least one (1) article has been published or received for publication in a journal indexed by the Web of Science (WoS).

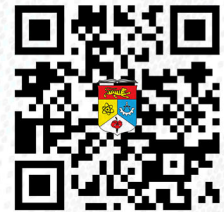
*The minimum entry requirements are as follows:

- Bachelor's Degree with Honors and have a CGPA of 2.75 and above from Universiti Kebangsaan Malaysia or equivalent from any institution of higher learning recognized by the Senate;
- Bachelor's Degree with Honors & have a CGPA between 2.50-2.74 from Universiti Kebangsaan Malaysia or equivalent from any institution of higher learning recognized by the Senate and have at least 1-year working experience in a related field. If there is no working experience, the candidate must be a Research Assistant (RA) for a minimum period of 6 months and show a good performance certified by the supervisor; OR
- Bachelor's Degree with Honors & have a CGPA between 2.00-2.49 from Universiti Kebangsaan Malaysia or equivalent from any institution of higher learning recognized by the Senate and have at least 5 years working experience in a related field. If there is no work experience, the candidate must be a Research Assistant (RA) for a minimum period of 1 year and show a good performance certified by the supervisor.

*International candidates MUST meet the English language requirements as follows:

- Obtain a minimum TOEFL pBT score of 453; OR
- Obtain a minimum TOEFL iBT score of 46; OR
- Obtain a minimum TOEFL ITP score of 585; OR
- Obtain a minimum IELTS score of 5.5; OR
- Obtain a minimum MUET score of band 3.5;
- Obtain a minimum Pearson Test of English score of 51; OR
- Obtain a minimum Cambridge English Qualifications & Test score of 160.

Scan Now!



Scan our QR CODE for application.

All documents must be uploaded through the system. Please read the application procedure carefully prior to the application.

Duration of Studies:

Master of Science

FULL-TIME:

Basic is between **four (4)** to **six (6)** semesters

PART-TIME:

Basic is between **six (6)** to **eight (8)** semesters

Doctor of Philosophy

FULL-TIME:

Basic is between **six (6)** to **twelve (12)** semesters

PART-TIME:

Basic is between **eight (8)** to **fourteen (14)** semesters

Further Information

Application Enquiry:

UKMSHAPE GRADUATE PROGRAMME PROJECT MANAGER

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Programme Enquiry:

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