



FACULTY OF ENGINEERING RESEARCH DEGREE PROGRAMMES

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Welcome to the Faculty of Engineering. You have certainly made the right choice to do your research degree programme here at University of Malaya. As a research student, you will be a part of a community of researchers that support each other in a student friendly environment, and you will benefit from the subject matter experts accompanied with research training in your chosen field. We have an exceptional track record in terms of our high impact research, experienced team of staff and state of the art equipment. Most of all, you will gain significantly from an opportunity to get a world class postgraduate research degree from a top tier ranked university.



**UNIVERSITY
OF MALAYA**

Research Fields

Biomedical Engineering

- Biomechanics
- Biomaterials Cell & Tissue Engineering
- Medical Imaging
- Systems Neuroscience
- Bioinformatics and Computational
- Biology Computational and Physiological Modeling
- Biomedical Microelectromechanical BioMEMS)
- Bioinstrumentation and Rehabilitation

Chemical Engineering

- Advanced Materials and Technology
- Bioprocess Engineering
- Health, Safety and Environment
- Petroleum Engineering
- Process Modelling and Simulation
- Green Technologies and Cleaner Production
- Process Systems Engineering and Control
- Purification and Separation Processes
- Reaction Engineering



Electrical Engineering

- Satellite Communications
- Signal and Image Processing
- Machine Learning
- Power Electronics and Drive
- Renewable Energy
- Control System
- Wireless Communication Systems
- Robotics and Automation
- Human-Machine Interface
- Photonics and Fiber Optic Devices
- Power System/High Voltage
- Semiconductor
- MEMS Design and Fabrication
- RF and Microwave
- Electromagnetic/Antenna

Civil Engineering

- Construction Management, Mathematics and Surveying
- Hydraulics, Water and Environmental Engineering
- Geotechnical Engineering
- Transportation Engineering
- Structural Engineering and Material



Mechanical Engineering

- Applied Mechanics
- Heat Transfer
- Acoustics and Vibration
- Combustion Engine
- Renewable and Sustainable Energy
- Tribology
- Nano Materials
- Electronic Materials
- Biomaterials
- Metallurgy
- Joining Technology
- Automation and Robotics
- Micro Devices
- Sustainable Design and Manufacturing
- Human Factors Engineering

Postgraduate Programmes

Doctor of Philosophy (PhD)
Master of Engineering Science (MEngSc)

Duration of Programme

Doctor of Philosophy (3 years)
Master of Engineering Science (2 years)

Our Fees

Doctor of Philosophy
Malaysian Student (RM22,500)
International Student (RM61,000)

Master of Engineering Science
Malaysian Student (RM15,000)
International Student (RM45,000)

Entry Requirements

Admission requirements
Malaysian & International Application

Doctor of Philosophy (PhD)
A Master degree with honors in a related field; AND A Bachelor degree with honors in a related engineering field or equivalent degree; AND Meet other conditions set by the Senate

Master of Engineering Science
A Bachelor degree with honors in a related engineering field or equivalent degree; OR Meet other conditions set by the Senate

An interview session may be required for selected applicants.

English Language Requirements
Have at least IELTS Band 5.5 or TOEFL 550, if the degree is from a university where English is not the medium of instruction.

Let us bring out the best in you, here at

**Deputy Dean (Postgraduate Office)
Faculty of Engineering
University of Malaya**

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