



GRADUATE SCHOOL OF
MEDICINE

MASTER OF MEDICAL EQUIPMENT ENGINEERING

JPT/BPP (N/725/7/0082) (MQA/PA12121) 11/24

Intake



October

Duration



Full-time | 1.5-2 years
Part-time | 3-4 years

Overview

The Perdana University Master of Medical Equipment Engineering (MMEE) is a new Program in Malaysia. Medical Equipment Engineering is a multidisciplinary field that combines Biomedicine and Engineering, applying engineering principles and materials to medicine and healthcare. This Program is a confluence of Engineering, Technology and Medical Sciences focusing on developing, designing and improving medical equipment and devices

Entry Requirements

Bachelor's Degree in Engineering/Science/Biomedicine or any other related field

- Minimum CGPA of 2.50 or
- CGPA below 2.50 with at least 5 years of working experience in a relevant field

English Language Requirements

Local Students

- MUET score of at least band 3

International Students

- IELTS score of at least 5.0 or TOEFL score of at least 500

Career Prospects



- Academia
- Application Specialist
- Medical Physicist
- Healthcare Technologist
- Radiation Safety Officer
- Research Scientist
- Diagnostics Support Specialist
- Medical/Equipment/Biomedical/Control Engineer/Supervisor or Manager
- Rehabilitation Engineer/Assistive/Control Technologist

Curriculum Structure

Core Modules

- Medicine and Surgery for Engineers
- Medical Signals, Circuit and Control
- Medical Engineering Management
- Medical Engineering Design
- Telemedicine and Medical Data Communication
- Engineering for Medicine and Biology
- Research Methodology
- Research and Project Work
- Any three(3) elective modules

Elective Modules

- Applied Biomechanics
- Rehabilitation Engineering and Assistive Technology
- Biomechanics and Medical Robotics
- Medical Imaging Systems
- Medical Imaging Processing and Analysis
- Fundamentals of Medical and Radiation Physics
- Medical Electronics and Instrumentation
- Medical Sensors and Devices
- Medical Device Design
- Applied Biomaterial
- Tissue Engineering
- Bionics and Artificial Organ Design

▶ Candidate must complete all the 8 core modules including Research Methodology and 3 elective modules



Developed Programme for

1

To produce responsible medical equipment engineers with exceptional ethical values and character to meet the professional standards and proficiency required to fulfill Malaysia's technological advancement, aspirations and global demand

2

To produce medical equipment engineers competent in the use of current advanced technology and emerging engineering challenges in the health sector

3

To produce medical equipment engineers who are conscious of environmental challenges and prepared to find effective solutions to these challenges through lifelong learning and professional updates

4

To produce medical equipment engineers sought after by potential employers for their technological and managerial skills



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The Perdana University Master of Medical Equipment Engineering (MMEE) is an innovative programme involving the application of the engineering principles and design concept to medicine for healthcare purposes

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Study Mode

- Lectures
- Problem based learning
- Tutorials
- Seminars
- Self-directed learning
- Projects



About Perdana University

Perdana University (PU), is a leading emerging private university located in Kuala Lumpur, Malaysia focusing on Health Sciences, Social Sciences and Technology Programmes at foundation (pre-university), undergraduate and postgraduate levels.

Perdana University was officially incorporated in 2011. In 2017, Perdana University was awarded Tier 4: Very Good in the Rating System for Malaysian Higher Education 2017 (SETARA) from the Ministry of Higher Education Malaysia (MOHE)



Why Master of Medical Equipment Engineering at Perdana University?

- The first and the only Medical Equipment Engineering programme in Malaysia
- Provides for an Industrial Attachment (Local and Home Country)
- Wide areas of specialisation within Medical Equipment Engineering
- Reasonable fees



RECOGNISED BY




AWARDS BY




Documents required for applications are

1. Student application form
2. Bursary application form
3. Copy of NRIC or Passport
4. Transcript and Certificate of highest qualification
5. English test results (if applicable)

Kindly scan for Student Application Form



Kindly scan for Bursary Application Form



Speak to our friendly Counsellor now at
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+6 019 217 6547
 enquiry@perdanauniversity.edu.my

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Perdana University

