



# Master of **ELECTRICAL ENGINEERING**

## Structure A

### Course Overview

Master of Electrical Engineering (Structure A) is a full research program where candidates are given unique opportunity to follow their interest in a specialized area of research of Electrical/Electronic Engineering for 2 - 4 years (depending on the study mode either full- time or part-time). This will make an important academic contribution to the knowledge of the chosen research area. Prospective candidates are future researchers/academicians in universities and/or research institutions, R&D engineers, engineering specialists and technopreneurs.

### Key Research Areas

- Automation and Embedded Computing System
- Communication Systems and Networks
- Micro and Nano Engineering
- Photonics Technologies
- Radio Frequency and Microwave Engineering
- Signal Processing and Control Systems
- System and Machine Intelligence
- Distributed Generation
- High Voltage Systems
- Power Quality
- Power System Analysis
- Renewable Energy and Energy Efficiency
- Smart Grid

#### Duration

- **2 – 3 Years** (Full time)
- **3 – 4 Years** (Part time)

#### Fees (per semester)

- **RM 3,700.00** (Malaysian)
- **RM 4,200.00** (International)

### Entry Requirements

- A bachelor's degree in the field or related fields with a minimum CGPA of 2.75 or equivalent, as accepted by the HEP Senate; or
- A bachelor's degree in the field or related fields or equivalent with a minimum CGPA of 2.50 and not meeting CGPA of 2.75, can be accepted subject to rigorous internal assessment; or
- A bachelor's degree in the field or related fields or equivalent with minimum CGPA of 2.00 and not meeting CGPA of 2.50, can be accepted subject to a minimum of 5 years working experience in the relevant field and rigorous internal assessment.
- Candidates without a qualification in the related fields or relevant working experience must undergo appropriate prerequisite courses determined by the HEP and meet the minimum CGPA based on (i) to (iii).
- For international students: Test of English as a Foreign Language (TOEFL) score of 500 or International English Language Testing System (IELTS) score of 5.0 or its equivalent.



#### CONTACT US

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