

Doctor of Philosophy (Engineering)

(Structure A)

DURATION 3 YEARS - 7 YEARS (Full Time)
4 YEARS - 7 YEARS (Part Time)

PROGRAM INFO

Doctor of Philosophy (Engineering) is a full research program where candidates are given unique opportunity to follow their interest in a specialized area of research (including major research areas of electrical, electronics, mechanical and civil engineering) for 3-7 years and make an important academic contribution to the knowledge of chosen research area. Prospective candidates are future researchers / academicians in universities and / or research institutions, R&D Engineers, Engineering Specialists and Technopreneurs.

ENTRY REQUIREMENT

- A master's degree accepted by the Higher Education Provider (HEP) Senate; and
- 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.

Note:

- There shall be no direct entry from bachelor's degree level to doctoral degree level.
- Candidates with bachelor's degree who are registered for master's degree may apply to convert their candidacy to the doctoral degree programme within one (1) year after master's degree registration, subjected to:
 - Having shown competency and capability in conducting research at doctoral degree level,
 - Rigorous internal evaluation by the HEP,
 - Approval by the HEP Senate.

FEE STRUCTURE

- RM 4 750.00 (Malaysian)
- RM 5 250.00 (International)

**fees per semester*

CONTACT:

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KEY RESEARCH AREAS

• **Electrical and Electronics Engineering:**

Automation and Embedded Computing System, Communications 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.

• **Mechanical Engineering:**

Advanced Materials, Computational Fluid Dynamics, Heat and Mass Transfer, Mechanical Design, Mechanics and Vibration, Mechatronics, Control and Automation, Nuclear Engineering, Power Plant Technology, Renewable Energy, Robotics, Thermal System and Energy.

• **Civil Engineering:**

Asset Management, Construction and Building Materials, Environmental and Wastewater Engineering Forensic Engineering, Geotechnical and Geological Engineering, Highway and Transportation, Engineering, Hydropower and Dam Engineering, Project Management, Structural Engineering, Water Resources Engineering.