



Postgraduate 2026/2027 Session



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PhD In Engineering Technology

KPT/JPT (N/520/7/0109) 11/2027 - MQA/PA 13694

DOCTOR OF PHILOSOPHY (PhD) IN ENGINEERING TECHNOLOGY

Introduction

As a prominent leader in Engineering Technology education, the UC TATI Doctoral programme has been developed to produce scholars who aim to become researchers, academicians, consultants, specialists, entrepreneurs and top level managers with in-depth expertise and research skills.

PhD students will be able use their knowledge effectively in generating innovative engineering solutions by employing research and complex cognitive and numeracy skills. In line with the latest engineering technology field, students will utilise practical skills and interpret critical analysis, evaluation and synthesis of new ideas.

Mode: By Research

This programme focuses on research for students with extensive industry exposure and experience.

**PhD students are encouraged to participate in local and international workshops. Students are expected to present their work at conferences relevant to their area of research.*



Full Time

Min 3 years (6 semesters)
Max 6 years (12 semesters)

Part Time

Min 4 years (8 semesters)
Max 8 years (16 semesters)



Throughout the year

(subject to availability of field supervisor)



Research based course



Full Time (Local)

1st semester: RM4,545
Subsequent semester: RM1,875

Full Time (International)

1st semester: RM7,920
Subsequent semester: RM3,350

Part Time (Local)

1st semester: RM4,045
Subsequent year: RM1,375

*Part-time mode is not available for international students

Key Research Areas (but not limited to)

MANUFACTURING

- Precision Machining
- Manufacturing Process and Technology
- CAM, CIM, FMS, FEM in Manufacturing
- Lean and Agile Manufacturing
- Product Design and Rapid Prototyping
- Tool and Die Technology
- Industrial Engineering and Operation Management
- Performance Modelling and Optimization of Manufacturing System
- FEA and Modelling
- Advanced Material
- Reverse Engineering

CHEMICAL

- Advanced Chemical Process
- Water and Wastewater Technology
- Polymer Synthesis
- Nanotechnology
- Halal Product
- Rubber Technology
- Renewable Energy
- Industrial Safety
- Process Modelling and Optimization
- Polymer Technology
- Catalyst & Catalysis
- New Material
- Environmental Engineering Technology

ELECTRICAL

- Mechatronics and Biomechanics
- Microcontrollers and Microsystems
- PLC
- Soft Computing and Control Methods
- Special Robotics Structures
- Intelligent Robotic System
- Image Processing
- Gaze and Emotion Detection
- Internet of Things (IoT)
- Signal Processing & Data Fusion
- Human-Computer Interaction
- Autonomous Vehicles

Entry Requirements

Option 1	Option 2
A master's degree in the field or related fields accepted by the HEP Senate; OR	Other qualifications equivalent to a master's degree recognised by the Government of Malaysia;
	Candidates without a related qualification in the field/s or working experience in the relevant fields must undergo appropriate prerequisite courses determined by the HEP; OR

Bachelor's degree candidates who are registered for master's degree programmes may apply to convert to the doctoral degree programmes subjected to the following conditions:

Option 4	Option 5
<ul style="list-style-type: none"> i. Within 1 year for full time and within 2 years for part-time candidates; ii. Having shown competency and capability in conducting research at doctoral level through rigorous internal evaluation by the HEP; and iii. Approval from the HEP Senate; OR 	<ul style="list-style-type: none"> i. A bachelor's degree in the field or related fields with 1st class (CGPA of 3.67 or higher) or its equivalent from an academic or Technical and Vocational Education and Training (TVET) programme; ii. Undergo internal assessment; and iii. Any other requirements of the HEP

Notes: There is NO direct entry from the bachelor's degree level to a doctoral degree by research.



English Requirements

You must submit supporting evidence of your English language proficiency if your first language is not English, or if your undergraduate degree was not taught in English language. These are the following English requirements:

- IELTS (Academic): **5.0** (with no less than 5.5 in each element)
- Test of English as a Foreign Language (TOEFL iBT): **40**
- Pearson Test (PTE): **47** (with no less than 43 in each element)
- Malaysian University English Test (MUET): **Band 3.5**
Or any other equivalent English language test



For online application, please visit:
<https://ecampus.uctati.edu.my/pelajar/siswazah2/>

**For further enquiries:
Department of Promotion, Marketing & Corporate
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DISCLAIMER: The information in this prospectus is correct as of APRIL 2026. Changes in circumstances after this date may alter the accuracy of the information. The university reserves the right to change any information in this prospectus without prior notice.