UNIVERSITY COLLEGE TATI

2019
SETARA
VERY COMPETITIVE
UNIVERSITY COLLEGE

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PhD
of
Engineering
Technology

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

Postgraduate

2023/2024 Session

DOCTOR OF PHILOSOPHY (PhD) OF 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
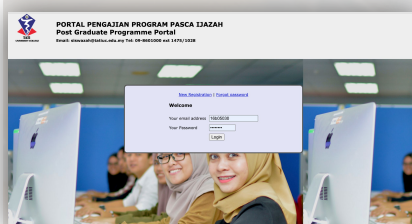- Reverse Engineering

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 Biomechatronics
- 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

University College TATI

Application Guidelines

Step 1
Log on to **https://ecampus.tatiuc.edu.my/pelajar/siswazah/** to create an account and fill in required information.

Step 2
Upload all supporting documents and confirm the application submission

For International Students
Please submit your offer letter and all passport pages to International Unit (igs@uctati.edu.my) for visa arrangement prior your departure to Malaysia.

Step 3
Check the application status online at the same website. The result will be received within 2-4 weeks after the application is made.

Results

Entry Requirements*

A master's degree (MQF Level 7) certified by UC TATI Senate **or** any other equivalent professional qualification in relevant fields and certified by UC TATI;

OR
A bachelor's degree with First Class Honours **or** equivalent to a minimum CGPA of 3.67 **or** equivalent to relevant fields **and** subject to rigorous internal assessment and the approval from UC TATI Senate.

local and international applicants

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): **79/ 550**
- Pearson Test (PTE): **55** (with no less than 51 in each element)
- Malaysian University English Test (MUET): **Band 4**
   Or any other equivalent English language test

For online application, please visit:
https://ecampus.tatiuc.edu.my/pelajar/siswazah/

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