

Doctor of Philosophy (PhD) in Information Technology

(R2-DL/482/8/0144) 01/29 (MQA/FA 1743)



Agensi Kelayakan Malaysia
Malaysian Qualifications Agency

Delivery Mode:

Conventional, Open and Distance Learning

Duration of Study:

**Min: 3 Years, Max: 5 Years (Full-Time)
Min: 4 Years, Max: 6 Years (Part-Time)**

Intakes

- January, May and September

Academic Schedule

- January : 14 weeks*
- May : 14 weeks*
- September : 14 weeks*

*Inclusive of exam period.

Qualify for High-Level or Specialised Positions in the Field of IT

The Doctor of Philosophy (Information Technology) is a full-research doctoral programme that gives undergraduates the opportunity to explore a topic of their choice with a supervising expert in that field. The final deliverable for the course is a prototype system which will allow undergraduates ample opportunity to feed their naturally-inquiring minds and passion for problem-solving.

Career Prospects

- IT Leader
- Chief Information Officer
- Chief Technology Officer
- Computer and Information Research Scientist
- Project Management Director
- Information Technology Director

Areas of Knowledge

Cybersecurity

Policies and practices to monitor and prevent unauthorised access, misuse, modification and denial of service of a computer network and resources.

Web Technology

Programming languages including markup languages and multimedia packages to create applications for the web.

Data Science and Analytics

Methods, processes, algorithms and systems to extract knowledge and insights from structured and unstructured data.

Artificial Intelligence and Machine Learning

Involves the study of algorithms and statistical models that computer systems use to perform tasks without explicit instructions, mimicking human intelligence.

Internet of Things

Giant network of connected devices including wireless sensors, software, actuators and computer devices to improve our work and life.

Blockchain and Distributed Ledger Technology

To record transactions efficiently in a verifiable and permanent way in regard to potential applications in multiple industries such as the financial industry, governments, identity management and healthcare.



Interested in this course?

**We are more than happy to share.
Email us or give us a call.**

Tel : +603 7627 7200
WhatsApp : +011 1051 2825
Email : enquiries@unitar.my



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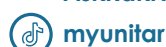
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Did You Know?

FLEXIBILITY

Flexibility on consultation hours with supervisors based on prior appointments.

AFFORDABLE FEES

Comparatively affordable to other institutions.

Why UNITAR?

UNITAR is a Premier Institution, consistently recognised as a brand of choice in Education and Learning as voted by the people through the Putra Brand Awards.

5-Star rating in QS for Teaching, Employability, Inclusiveness, Online Education and Accounting and Finance.

Entry Requirements

i. A Master's Degree or its equivalent **AND** candidates must graduate in computer or its equivalent either in Bachelor's Degree or Master's Degree (e.g. Information Technology, Computer Science, Software Engineering etc);
OR

ii. Other qualifications equivalent to a Master's Degree recognised by the Malaysian Government.
AND

A proposal of about 500 words in English must be submitted together with all the relevant documents required for admission to the University on the registration day.

Note for PhD by Research

- a. There is no direct entry from the Degree's programme to the Doctoral level;
- b. Qualified Degree's candidates who enroll for a Master's program, can apply to change their studies to a Doctorate program within (1) one year after signing for Master's program and subject to the following provisions;
- Have demonstrated competence and capability in conducting research at Doctoral level;
 - Rigorous internal assessment by UNITAR;
- AND**
- Approval from UNITAR Senate.

ENGLISH REQUIREMENT

International students

1. Minimum score of 5.0 for IELTS **OR**
2. Minimum score of 40 for TOEFL **OR** its equivalent

Local students

1. Credit in SPM English; **OR**
2. Pass an internal assessment (oral examination) set by the University, with a minimum grade of C. The panel of the assessment shall comprise of two senior members of the faculty / school and a representative from the English Language Department from Faculty of Education and Humanities (FEH) or other relevant department. The panel is appointed by the Dean / Director of the respective faculty / school / centres.

Local and international students

The Master's Degree was conducted using English as medium of instruction. Proof to be obtained from the institution concerned.

Programme Structures Modules

Year 1

- Advanced Research Methodology
- Advanced Research Ethics
- Advanced Qualitative Techniques
- Advanced Quantitative Analysis
- Colloquium 1

Year 2

- Development 1
- Proposal Submission and Defense
- Development 2
- Colloquium 2

Year 3

- Development 3
- Evaluation and Validation
- Colloquium 3
- Presentation and 1 International Refereed Publication of Research Findings
- Thesis Submission and Defense

Become a versatile business-oriented IT professional.

Applied focus rather than theoretical contributions to computer science theory.

Get appointed as Graduate Research Assistants who can be partially-funded by Industry and Government Research Grants working under the Principal Investigator.



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UNITAR International University (DU004-B)
Tierra Crest, Jalan SS6/3, Kelana Jaya,
47301 Petaling Jaya, Selangor Darul Ehsan, Malaysia