



**UMS**  
UNIVERSITI MALAYSIA SABAH



**Faculty of  
Computing  
& Informatics**

# **Doctor of Philosophy (Information Technology)**

## ADMISSION REQUIREMENTS

1. Possess a Master's degree in Computing or its equivalent from any university approved by the Senate; **OR**
2. Possess a Master's degree or its equivalent in any field other than Computing may be accepted, provided that the applicant has a Bachelor's degree in Computing; **OR**
3. Candidates who are registered as Master candidates at the Universiti Malaysia Sabah and have obtained approval to upgrade by the Faculty's Postgraduate Committee and approved by the Senate; **AND**
4. Fulfill other requirements set by the Senate: Degrees awarded by local/private institutions of higher learning, including those awarded under any collaborative/franchising schemes with local or foreign partners, must be accredited by the Malaysian Qualifications Agency (MQA).

### English Language Proficiency Requirements

1. International applicants or non-English speaking countries applicants must have at least IELTS Band 6.0 or TOEFL score of 60 (Internet-based) / 500 (paper-based) or MUET Band 4.0; **OR**
2. Fulfill the general language requirement outlined by the university.

### Requirements Before Submitting

#### Notice of Thesis Submission

No	Requirements
1	Fulfil the minimum candidature durations of 4 semesters (Full Time) and 6 semesters (Part Time)
2	Fulfil the English Language Proficiency Requirement*
3	Pass the Research Methodology Course
4	Pass the Proposal Defence
5	Present Progress Reports as required by the faculty
6	Pass the Pre Viva

#### Criteria on Conferment of Degree

1. Produce at least two (2) article published / accepted in Scopus / WoS indexed journals before submitting the final thesis.
2. Present research work at least once at any conference and publish in Scopus indexed proceedings.

## DURATION OF STUDY

**Full Time 4 – 8 semesters | Part Time 6 – 12 semesters**

## PROGRAMME STRUCTURE

Study areas under the Doctor of Philosophy in Information Technology programme are:

1. Information Systems
2. ICT for Development
3. Knowledge Management
4. ICT Research Methodology
5. Enterprise Systems
6. Action Research
7. Human Computer Interaction
8. Web Development Usability
9. Intelligent Knowledge-based Systems
10. Information Visualisation
11. Web Engineering
12. E-commerce

FEES	LOCAL (MYR)		INTERNATIONAL (MYR)
	FULL TIME	PART TIME	FULL TIME
Registration	580.00	580.00	2,930.40
Semester 1	2,143.00	2,033.00	4,620.00
Semester 2	2,118.00	2,008.00	4,620.00
Semester 3	2,143.00	2,033.00	4,620.00
Semester 4	2,118.00	2,008.00	4,620.00
Semester 5	2,143.00	2,033.00	4,620.00
Semester 6	2,118.00	2,008.00	4,620.00
Viva Voce	1,500.00	1,500.00	1,500.00

## Graduate On Time Schedule

Semester	Activities	Milestone	Assessments
1	<ul style="list-style-type: none"> <li>Attend Research Methodology Course</li> <li>Write research proposal</li> <li>Learn to use reference manager software (Mendeley) and document preparation system (LaTeX)</li> </ul>	<ul style="list-style-type: none"> <li>Pass Research Methodology Course</li> <li>Pass Proposal Defence</li> <li>Pass Progress Report</li> </ul>	<ul style="list-style-type: none"> <li>Research Methodology Course</li> <li>Proposal Defence</li> <li>Progress Report</li> </ul>
2	<ul style="list-style-type: none"> <li>Write thesis chapter 1 (Introduction)</li> <li>Attend Research Literacy Course</li> </ul>	<ul style="list-style-type: none"> <li>Pass Progress Report</li> </ul>	<ul style="list-style-type: none"> <li>Progress Presentation</li> <li>Progress Report</li> </ul>
3	<ul style="list-style-type: none"> <li>Write thesis chapter 2 (Literature Review)</li> <li>Attend Research Literacy Course</li> <li>Write review/survey paper</li> </ul>	<ul style="list-style-type: none"> <li>Submit review/survey paper to a Scopus/WoS indexed journal</li> <li>Pass Progress Report</li> </ul>	<ul style="list-style-type: none"> <li>Progress Presentation</li> <li>Progress Report</li> </ul>
4	<ul style="list-style-type: none"> <li>Write thesis chapter 3 (Methodology)</li> <li>Attend Research Literacy Course</li> </ul>	<ul style="list-style-type: none"> <li>Pass Progress Report</li> </ul>	<ul style="list-style-type: none"> <li>Progress Presentation</li> <li>Progress Report</li> </ul>
5	<ul style="list-style-type: none"> <li>Conduct experiment or field work</li> <li>Write thesis chapter 4 (Results and Findings)</li> <li>Attend Research Literacy Course</li> <li>Write journal article</li> </ul>	<ul style="list-style-type: none"> <li>Present research work at a conference</li> <li>Submit article to a Scopus/WoS indexed journal</li> <li>Pass Progress Report</li> </ul>	<ul style="list-style-type: none"> <li>Progress Presentation</li> <li>Progress Report</li> </ul>
6	<ul style="list-style-type: none"> <li>Write thesis chapter 5 (Conclusion)</li> <li>Write journal article (optional)</li> <li>Prepare a complete thesis</li> </ul>	<ul style="list-style-type: none"> <li>Submit article to a Scopus/WoS indexed journal (optional)</li> <li>Submit Thesis</li> </ul>	<ul style="list-style-type: none"> <li>Pre-Viva</li> <li>Viva</li> <li>Thesis</li> </ul>

\*Applicable to all International Candidates