



Faculty Of Computer Systems & Software Engineering

POSTGRADUATE PROGRAMME

MASTER OF SCIENCE (COMPUTER NETWORKING)

- By Coursework

Synopsis

Designed for graduates of computing based disciplines, this course is designed to address a specific need in the computer networking industry which blends the technical and management aspects of computer networking to offer student a unique educational opportunity. It is intended for students who wish to specialize in the security aspects of computer networking field



Programme Structure

Course Structure

- Current Issues in Networking - **4 credit hours**
- Advanced Network Analysis and Design - **4 credit hours**
- Network Security - **4 credit hours**
- Network Performance - **4 credit hours**
- Internetwork Concept - **4 credit hours**
- Reserach Methodology & Project Proposal - **4 credit hours**
- Project Management - **3 credit hours**
- Elective I
- Elective II
- Project - **9 credit hours**

Electives

- Network Service and Management - **4 credit hours**
- Internetwork Concept - **4 credit hours**

Programme Outcomes

NO.	MQF	PROGRAM LEARNING OUTCOMES
PO 1	Knowledge Of Discipline Areas`	Apply and integrate knowledge concerning current Computer Networking issues and produce Computer Networking solutions
PO 2	Critical Thinking & Problem Solving	Evaluate and analyse Computer Networking solutions in terms of their usability, efficiency and effectiveness
PO 3	Critical Thinking & Problem Solving	Develop Computer Networking solutions and utilize current tools to analyse their performance
PO 4	Lifelong Learning	Apply existing techniques of research and enquiry to acquire, interpret and extend, knowledge in Computer Networking
PO 5	Leadership & Teamworking	Communicate and function effectively in a group as a leader
PO 6	Communication Skills	Prepare, publish and present technical material to a diverse audience
PO 7	Profesionalism & Ethics	Demonstrate behaviour that is consistent with codes of professional ethics and responsibility

Admission Requirements

- A Bachelor degree with honours (minimum CPA 2.50/4.00) in the relevent area from recognized or equivalent professional qualifications that are recognised by the University; OR
- A Bachelor degree or equivalent not meeting CPA 2.50/4.00 can be accepted subject to a minimum of five(5) years working experience in the relevant fields.
- **International Student:** IELTS Band **5.0** or TOEFL Paper Based - **500** points, TOEFL Internet Based-Test (IBT) **60** OR TOEFL Computer Based-Test(CBT) **173**.
*The certification **SHOULD NOT** be more than 2 years.

- International students with Bachelor and Master's from Malaysian Universities, English requirement is not needed and also to Malaysian students.

Duration

Programme	Full-Time		Part-Time	
	Minimum Period	Maximum Period	Minimum Period	Maximum Period
Master Coursework	1 year	3 years	2 years	6 years

*Note: 1 year denotes two (2) normal semesters plus one (1) short semester

Course Fees	Local Student (MYR285/Credit Hour)			International Student (MYR285/Credit Hour)		
	1st Semester	2nd Semester	3rd Semester	1st Semester	2nd Semester	3rd Semester
ESTIMATED TOTAL (3 Semesters @ 40 C/H)	RM 14,635			RM 25,585		

*MYR: Ringgit Malaysia

*Include medical checkup at UMP clinic.

**Not included of visa and hostel fees.

***FULL TIME:** Minimum 12 credit hour per semesters

***PART TIME:** Minimum 6 credit hour per semesters

Processing Fees **RM 50** Local Candidate **USD 30** International Candidate

When To Apply **Throughout The Year**

Intake **September & February**

How To Apply <http://ips.ump.edu.my>
Click Online Application

For more information;

IPS Admission Unit

Tel: **6(09)-549 3198 / 3203**

Fax: **6(09)-549 3190**

Email: ips.admission@ump.edu.my