



Contact:  
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## 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 the computer networking field

### Programme Structure

#### Course Structure

- Network Security - **4 credit hours**
- Network Design & Performance Analysis - **4 credit hours**
- Wireless & Mobile Communication - **4 credit hours**
- Parallel & Distributed Computing - **4 credit hours**
- Research Methodology - **4 credit hours**
- Advanced Routing & Switching - **4 credit hours**
- Elective I - **4 credit hours**
- Elective II - **4 credit hours**
- Master Project - **9 credit hours**

#### Electives

- Web Technologies - **4 credit hours**
  - Advanced Software Testing - **4 credit hours**
  - Software Engineering Practices - **4 credit hours**
  - Architecture of Software Testing - **4 credit hours**
  - Multimedia System & Technologies - **4 credit hours**
  - Business Intelligence & Analytics - **4 credit hours**
  - Professional Project Management - **4 credit hours**
  - Advanced Requirement Engineering - **4 credit hours**
  - Professional Project Management - **4 credit hours**
- and other electives to be chosen



**Min. Credit Hours**

#### Admission Requirements

- Recognized degree with CPA 2.75/4.00 and above or;
  - Meet minimum numbers of working experience in related 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**, otherwise must attend Pre-session English Course (PEC).
- \*International students with Bachelor and Master's from Malaysian Universities, English requirement is not needed and also to Malaysian students.  
 \*The certification **SHOULD NOT** be more than 2 years.
- For more details please scan the QR code



**How to Apply**



<http://ips.ump.edu.my>

Click Online Application

**When To Apply**

**Throughout The Year**

**Intake**

**September & February**

**Processing Fees**

**RM 50**

Local Candidate

**USD 30**

International Candidate

#### Duration

Programme	Full-Time		Part-Time	
	Minimum Period	Maximum Period	Minimum Period	Maximum Period
Master Coursework	3 semester	6 semester	6 semester	12 semester

#### Course Fees

Component	Local Student (MYR 285/credit hour)			International Student (MYR 475/credit hour)		
	1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester	3 <sup>rd</sup> Semester	1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester	3 <sup>rd</sup> Semester
On- Campus						
Sub-Total	5,985	5,385	3,390	12,095	8,565	5,240
<b>ESTIMATED TOTAL</b>			<b>14,760</b>			<b>25,900</b>

\*MYR: Ringgit Malaysia

\*Depends on credit hour taken.

**For more information;**

**IPS Admission Unit**

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

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

**Email: [ips.admission@ump.edu.my](mailto:ips.admission@ump.edu.my)**

**<http://ips.ump.edu.my>**