

Contact

**Dean**

**Faculty of Chemical &  
Natural Resources Engineering  
Universiti Malaysia Pahang**

Lebuhraya Tun Razak  
26300 gambang, Kuantan  
Pahang

Tel: 609 - 549 2888 Fax: 609 - 549 2889  
<http://fkksa.ump.edu.my>

## Faculty of Chemical & Natural Resources Engineering

### POSTGRADUATE

### MASTER OF CHEMICAL ENGINEERING WITH ENTREPRENEURSHIP

- By Coursework

#### Programme Structure

##### Course Structure

- Transport Phenomena - **3 credit hours**
- Catalytic Reaction Engineering - **3 credit hours**
- Chemical Product Design and Management - **3 credit hours**
- Research Methodology - **2 credit hours**
- Managing Business Intelligence - **3 credit hours**
- Finance for Entrepreneurship Decision - **3 credit hours**
- Separation Process Engineering - **3 credit hours**
- Process Modelling and Control - **3 credit hours**
- Marketing Intelligence - **2 credit hours**
- Entrepreneurship Business Plan - **2 credit hours**
- Thesis/Master Project I - **4 credit hours**
- Thesis/Master Project II - **6 credit hours**
- Elective 1 - **3 credit hours**
- Elective 2 - **3 credit hours**

##### Electives

- Environmental Technology
- Bioprocess Technology
- Oil & Gas Processing Technology



**42 Min. Credit Hours**

**How To Apply  
Ph.D & Masters  
by Research**

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

Click Online Application

#### Admission Requirements

- Recognized degree with CPA 2.50/4.00 and above or;
- Recognized degree with minimum of 5 years 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.

**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	1 year	3 years	2 years	6 years	

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

#### Course Fees

Component	Local Student ( MYR 285/credit hour)			International Student ( MYR 400/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	5,700	5,100	4,245	8,505	6,805	5,605
<b>ESTIMATED TOTAL (MYR)</b>			<b>15,045</b>			<b>20,915</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>**