



Faculty of Industrial Sciences & Technology

POSTGRADUATE PROGRAMME

MASTER OF SCIENCE and DOCTOR OF PHILOSOPHY

- By Research

Field of Research & Specialization

Industrial Chemistry

- Natural Products
- Fine & Specialty Chemicals
- Catalysis
- Oleochemical
- Petrochemical
- Polymer Technology
- Environmental Technology
- Environmental Monitoring and Characterization
- Other Industrial Chemistry
- Related Field

Physics

- Quantum Chemical Calculations
- Optics
- Physics
- Solid State Ionics
- Other Physics Related Field

Industrial Biotechnology

- Bioprocess and Fermentation
- Enzyme/Protein Technology
- Biochemistry
- Industrial Microbiology
- Bionanotechnology
- Biosensor/Diagnostic Kits
- Bioremediation
- Cell Culture Technology
- Food Microbiology
- Pharmaceutical
- Omics Technology
- Plant Biotechnology
- Carbohydrate Technology
- Bioinformatics
- Molecular Biology
- Other Biotechnology Related Fields

Statistics

- Pattern Recognition
- Stochastic Modelling
- Time Series Analysis
- Multivariate Analysis
- Circular Statistics
- Rainfall Modelling
- Environmental Statistics
- Medical Statistics
- Other Statistics Related Fields

Advanced Materials

- Nanostructured Materials
- Materials For Energy Conversion
- Materials For Energy Storage Devices
- High Temperature Superconductor Materials
- Microwave Materials
- Lignocellulosic Materials
- Biobased Adhesives.
- Conducting Polymers.
- Sensors
- Polymer Synthesis
- Polymer Composites
- Molecular Physics
- Emulsion Polymerization
- Biomaterials
- Photonic Materials
- Other Advanced Materials Related Fields

Chemistry

- Polymer Chemistry
- Analytical Chemistry
- Organic Synthesis
- Organometallic Chemistry
- Other Chemistry Related Fields

Mathematics

- Fluid Dynamic and Mechanics
- Solid Mechanics
- Heat Mass Transfer
- Numerical Analysis
- Group Analysis
- Bio-mathematics
- Computer Aided Geometric Design (CAGD)
- Mathematical Modelling/Fluid Flows
- Mathematical Education
- Operational Research
- Other Mathematics Related Fields

Food Processing

- Food Science
- Food Chemistry
- Food Microbiology
- Food Science and Technology
- Food and Drink Processing
- Food Processing Industry
- Food Preservation
- Food Technique
- Other Food Processing Related Field

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

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

Click Online Application

When To Apply

Throughout The Year

Processing Fees

RM 50

Local Candidate

USD 30

International Candidate

Duration

Degree Program	Type of Candidature	Period of Candidature			
		Minimum (Months)	Semester	Maximum (Months)	Semester
Masters Degree	Full Time	12 months	2	36 months	6
	Part Time	24 months	4	60 months	10
PhD Degree	Full Time	24 months	4	72 months	12
	Part Time	36 months	6	96 months	16

Course Fees

Mode	Full Time				Part Time	
	Local (MYR)		International (MYR)		Local (MYR)	
Nationality	1 st	Subsequent	1 st	Subsequent	1 st	Subsequent
Semester						
Master	3,800	1,700	6,930 (1,733 USD)	3,730 (933 USD)	3,800	1,110
PhD	3,800	1,700	7,730 (1,933 USD)	4,030 (1,008 USD)	3,800	1,110

*MYR: Ringgit Malaysia

*USD: US Dollar

Admission Requirements

- Master Degree:
 - Recognized degree with CPA 2.75/4.00 and above or;
 - Recognized degree with minimum of 1 year working experience
- PhD Degree
 - Recognized Master by research degree or Master by coursework with CPA 3.00/4.00 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.

For more information;

IPS Admission Unit

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