

ANALYTICAL & PHARMACEUTICAL CHEMISTRY

Master of Science

KPT/JPT(R2-CDL/442/7/0001)01/2027 | MQA/FA1191
KPT/JPT(N-DL/442/7/0022)02/2026 | MQA/PSA11367

Build your future where science, health and innovation intersect

Studying analytical and pharmaceutical chemistry at IMU equips you to make an impact on public health, drug discovery, and the development of new therapies. Designed to suit learners in all stages of their career, from fresh graduates to working professionals to entries to this field from related areas, this programme will provide the essential foundation to stay ahead of peers. In addition to full-time study, flexible part-time study options allow you to fit schedules around work or other commitments. Come be at the forefront of knowledge and innovation.

Degree / Duration

MSc in Analytical and Pharmaceutical
Chemistry (IMU)
1 year (Full-time)
2 – 6 years (Part-time)

Commencement

Mar / Sep

Delivery Mode

- Conventional
- Open and Distance Learning (ODL)

Accreditation



ROYAL SOCIETY
OF CHEMISTRY

ACCREDITED
DEGREE

This programme is accredited by the Royal Society of Chemistry, UK.

Assessment

There will be no end of semester examinations. Student progress is evaluated based on continuous in-course assessments including:

- Assignments
- Progress report
- Supervisory evaluation
- Practical report
- Presentation
- Research dissertation (to be submitted in Research Project II module)

◆ Programme Structure

To graduate from this programme, eight core modules (total 43 credits) must be completed. The modules consist of coursework modules (21 credits) and research projects (22 credits).

Coursework Modules

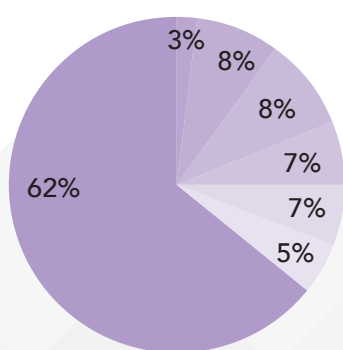
- MAPC301: Modern Analytical Techniques for Qualitative Analysis (4 credits)
- MAPC302: Modern Analytical Techniques for Quantitative Analysis (4 credits)
- MAPC303: Principles of Drug Discovery (4 credits)
- MAPC304: Computational Drug Discovery Techniques (4 credits)
- MAPC305: Quality Management & Regulatory Systems (2 credits)
- MAPC306: Research Methodology & Scientific Writing (3 credits)

Research Projects

- MAPC307: Research Project I (4 credits)
- MAPC308: Research Project II (18 credits)

Teaching and Learning Activities

Student-centred learning activities across the programme are designed to enhance analytical, critical thinking and problem solving skills.



62%	Research Project (586 hrs)
3%	Guided Reading, Video & Equipment Demonstration (24 hrs)
8%	Plenaries (80 hrs)
8%	Workshops (80 hrs)
7%	Laboratory Practical (65 hrs)
7%	Computer-Aided Learning (71 hrs)
5%	Forum & Seminar / Presentation (45 hrs)

Total hours of laboratory practical & computer-aided drug discovery

Computer-Aided Drug Discovery	65 hrs
High Performance Liquid Chromatography	46 hrs
Spectroscopy & Spectrometry	11 hrs
Chromatography	8 hrs

◆ Entry Requirements

- Bachelor's Degree in the field or related fields with a minimum CGPA of 2.75 or equivalent, as accepted by the University's Senate
- Bachelor's Degree in the field or related fields or equivalent with a minimum CGPA of 2.50 but not meeting a CGPA of 2.75 may be accepted subject to rigorous internal assessment
- Bachelor's Degree in the field or related fields or equivalent with a minimum CGPA of 2.00 and not meeting a CGPA of 2.50 may be accepted subject to rigorous internal assessment and must have a minimum of 5 years working experience in a relevant field

◆ English Language Requirements

For International Students (only one required)

1. IELTS : Band score 5.0; or
2. TOEFL (iBT) : Overall score of 42; or
3. Cambridge English : Advanced (CAE) : Overall score of 154; or
4. Cambridge English : Proficiency (CPE) : Overall score of 154; or
5. Cambridge Linguaskill : Overall score of 160; or
6. Pearson Test of English (PTE) : Overall score of 47;

The following categories of students are exempted from the above requirements:

1. International students from countries in which English is the first language.
2. International students who graduated from any Malaysian or other institutions where the curriculum is delivered in English.

◆ Programme Fees

Fees Overview

All fees quoted are in Ringgit Malaysia unless stated otherwise.

Fee	Amount (RM)	
	Malaysian Student	International Student
Application Fee	150	500
Registration Fee	1,100	3,400
Refundable Caution Deposit	2,000	2,000
Student Association Fee per Semester	40	40

• All IMU Alumni who are self-funding their postgraduate studies and meet the eligibility criteria will be eligible for a bursary of 15%. • Application fee is payable upon submission of application. • Registration fee and refundable caution deposit is payable upon acceptance of the offer letter issued by the IMU Admissions Office. • Student must adhere to the "Policy on Payment of Fees". • For information on Student Visa Application fee, please refer to Visa and Immigration on the IMU website, www.imu.edu.my • Fee payable per semester are subject to the number of credits registered.

Tuition Fees

	Study Mode	No. of Credit Hour	Malaysian Student (RM)		International Student (RM)	
			Fee Per Credit Hour	Total Fee	Fee Per Credit Hour	Total Fee
Master of Science	Conventional	21	1,100	23,100	1,250	26,250
	Research Paper	22	1,100	24,200	1,250	27,500
	Total Fee			47,300	53,750	
Master of Science	Open & Distance Learning (ODL)	21	900	18,900	900	18,900
	Research Paper	22	1,100	24,200	1,100	24,200
	Total Fee			43,100	43,100	

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The IMU has been certified with ISO21001:2018 and ISO 45001:2018 for the provision of Pre-University, Undergraduate and Postgraduate Programmes for the Medical and Healthcare Professions.



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