

SCHOOL OF PHARMACY



BETTER HEALTH  
BETTER SOCIETY



PHARMACY  
2017

# What Is IMU's Pharmacy Programme About?

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## Overview

Students in the Pharmacy programme, students have the option to complete the entire 4-year programme locally at IMU or credit transfer to the University of Otago, New Zealand or University of Tasmania, Australia. The curriculum includes the life sciences presented in a body systems-based format, encompassing anatomy, physiology, biochemistry, pharmacology, microbiology, molecular biology, immunology and pathology. Organic, inorganic and medicinal chemistry form the basis of pharmaceutical chemistry. Pharmaceutical technology prepares students in drug formulation, delivery, clinical pharmacokinetics, management and marketing. Pharmacy practice explores the role of the pharmacist in clinical and community healthcare, and professionalism.

Practice and experiential skills are acquired and developed in small groups, using the University's Clinical Skills & Simulation Centre and Model Industry Concept for early exposure to practice settings. Work-based experiential learning integrates classroom learning with real world experience and develops practice skills through industry, community and hospital pharmacy attachments in various states in Malaysia, mainly in Kuala Lumpur and Selangor. Each student must conduct a supervised research project and write a thesis on their research work. Mobility arrangements with IMU partner universities abroad enable some students to conduct part of their research under co-supervision of lecturers in these partner schools. The school also prepares students for the Pharmacy Legislative or Fitness to Practice Pharmacy Examination which is conducted by the Pharmacy Board of Malaysia ([www.pharmacy.gov.my](http://www.pharmacy.gov.my)).

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### DEGREE / DURATION

**Bachelor of Pharmacy  
(BPharm) (Hons) (IMU) —  
4 years**

**Degree from partner  
universities (BPharm) —  
4 years**

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### COMMENCEMENT

**July and September**

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### PARTNER UNIVERSITIES

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#### AUSTRALIA



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#### NEW ZEALAND



## A Word from the Programme Director

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“The role of the pharmacist has evolved tremendously from just dispensing medicines to being a prominent and crucial member in the integrated healthcare team. As a pharmacist, you are also responsible for providing patient-centred care through effective and safe usage of medicines. Launched in 2004, the BPharm (Hons) at IMU has grown to become a programme that nurtures knowledgeable, caring and competent pharmacists who are capable of moving forward with the ever-changing healthcare system.”

**DR SYED IMRAN AHMED — Lecturer & Programme Director**  
BPharm, MClIn Pharm, PhD RPh (Pakistan, Botswana)

# How Does the Programme Work?

## Pharmacy Programme Structure

### SEMESTER

# 1

Basic Mathematics  
Statistics for Health Professionals  
Biological Science  
Human Biology  
General Chemistry  
Genetics for Pharmacists  
Pharmaceutical Organic Chemistry 1  
Introduction to Pharmacy Practice

### SEMESTER

# 2

Pharmaceutical Organic Chemistry 2  
Physical Pharmacy  
Pharmaceutics 1  
General Pharmacology  
Haematology  
The Cardiovascular System  
Understanding the Patient  
English Academic Writing

### SEMESTER

# 3

Pharmaceutics 2  
Pharmaceutical Analysis 1  
Natural Products in Medicine  
Microbiology for Pharmacists  
Drug Metabolism  
The Respiratory System  
The Renal System  
Skill Development: Extemporaneous Dispensing

### SEMESTER

# 4

Pharmaceutics 3  
Pharmaceutical Analysis 2  
Medicinal Chemistry  
Pharmaceutical Biotechnology  
The Gastrointestinal System  
The Central Nervous System  
Immunology & Adverse Drug Reactions  
Skills Development: Dispensing

### SEMESTER

# 5

Pharmaceutics 4  
Complementary Medicine  
The Endocrine System  
The Reproductive System  
Community & Primary Care  
Business Management for the Pharmacist  
Selectives

### SEMESTER

# 6

Toxicology  
The Musculoskeletal System  
Cancer Chemotherapy  
Clinical Pharmacokinetics  
Clinical Pharmacy 1  
Current Trends in Therapeutics  
Electives

### SEMESTER

# 7

Research Methodology  
Research Project 1 & 2

### SEMESTER

# 8

Clinical Pharmacy 2, 3 & 4

The curriculum is reviewed periodically and is subject to change.

The MPU modules are compulsory modules imposed by Ministry of Higher Education under the Private Higher Educational Institutions Act 1996 (Act 555). All students must take these modules and pass as a prerequisite for the award of the degree.

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## Assessment

The programme was the first outcome-based pharmacy degree course to be developed in Malaysia. Assessments (formative and summative) such as practical and written tests, assignments, presentations are an integral part of BPharm's learning process; the IMU School of Pharmacy was the first to use Objective Structured Clinical Examinations (OSCE) to assess practice competency skills.

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## Recognition of Degree

The degree is recognised by the Pharmacy Board of Malaysia, and by the Universities of Tasmania and Otago for credit transfer into their BPharm programmes. Students transfer after completing Year 2 at IMU, and receive the partner universities' degrees. The pharmacy programmes of these institutions are accredited by the Australian Pharmacy Council and the Pharmacy Board, Malaysia. Majority of BPharm (IMU) graduates are serving in Malaysia (public and private hospitals, community pharmacies and pharmaceutical industries) while a small group is working abroad.

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## Career Pathway

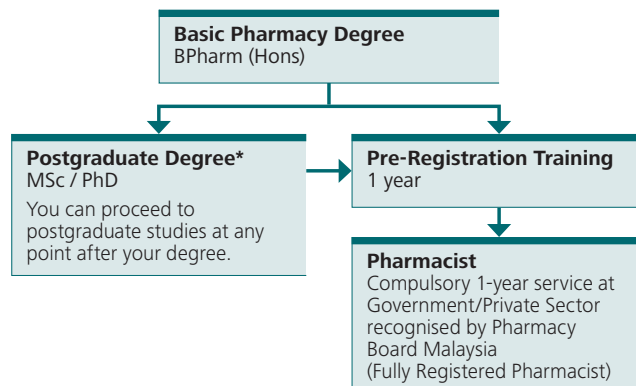
Pharmacy is the science of medicines – their discovery, development into products, clinical evaluations and use in health maintenance, disease prevention and treatment. Pharmacy is also the profession that uses this unique body of knowledge in the service of society.

A career in pharmacy is versatile and highly rewarding. Graduates can work mainly with people, using their unique knowledge and skills in patient care. Community pharmacists help clients choose medicines by providing associated information and advice, and help to manage long term conditions. In the hospital setting, clinical pharmacists work in partnership with doctors deciding on the best medicines and the optimal doses for patients to produce maximal effect with minimal side effects.

Graduates can also focus mainly on products – industrial pharmacists hold key responsibilities in the manufacture and quality control of medicines. Pharmacists' knowledge and skills are put to good use in research and development, registration of medicinal products, regulatory affairs, import, export, distribution and marketing of medicines. The Malaysian Government under the NKEA (National Key Economic Area) aims to expand Malaysia's pharmaceutical product and medical device manufacturing, clinical research, and develop aged-care services.

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## CAREER PATHS FOR PHARMACISTS IN MALAYSIA



Please note that in order to work with the Malaysian public sector, graduates will be required to have a pass in SPM Bahasa Malaysia.

International students are advised to check with the professional bodies for internship / practising opportunities.

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## Career Field

- Pharmaceutical Industry
- Chain Community Pharmacy
- Independent Community Pharmacy
- Private Hospital
- Government Hospital/Regulatory Bodies
- Professional Pharmacy Organisations
- Academia
- Research (Clinical & Other Biomedical Science)

# Why Study Pharmacy at IMU?

1

## An Established Private Healthcare University

IMU is Malaysia's first and most established private medical and healthcare university with over 25 years of dedicated focus in healthcare education. IMU achieved a Tier-5 rating in the SETARA ratings of Malaysian Universities and University-Colleges awarded by Malaysian Qualifications Agency (MQA).

2

## Build Your Future Healthcare Professional Network

As IMU offers the widest range of healthcare programmes, our students are fully immersed in a vibrant community of students and practitioners from all healthcare fields. This allows for the development of strong friendship amongst peers that will be the foundation of an extensive healthcare professional network upon graduation.

3

## Largest Private Pharmacy School in Malaysia

IMU's BPharm programme was established over 10 years ago and to date has the highest number of faculty members and registered students of any other private pharmacy school in Malaysia. This school is also the first pharmacy school in Malaysia to provide a collaborative study opportunity with University of Strathclyde. This collaboration has resulted in a very successful partnership which had graduated over 1,100 alumni since 1998.

4

## Curriculum Benchmarked to International Standards

IMU's BPharm curriculum has been developed to meet high international standards and is accepted by University of Tasmania, Australia and University of Otago, New Zealand for credit transfer into their pharmacy programme.

5

## Better Preparation to Become Pharmacists

With workplace-based experiential learning, our students are better prepared for pre-registration training and employment.

# How Much Does It Cost?

## Pharmacy Programme Fees

All fees quoted are in Ringgit Malaysia unless stated otherwise.

### FEES OVERVIEW

Fee	Amount (RM)	
	Malaysian Student	International Student
Application Fee	150	500
Registration Fee	850	2,000
Refundable Caution Deposit	2,000	2,000
Tuition Fee	191,600	204,800

- Application fee is payable upon submission of application.
- Registration fee and refundable caution deposit are payable upon acceptance of the offer letter issued by the IMU Admissions Office.
- As stipulated by Malaysian Ministry of Higher Education, international students will have to pay Student Visa Application fee of RM1,000 and Medical Health Check fee of RM250 and Visa endorsement fee (depending on nationality) upon registration.
- International students will also be required to pay Student Visa Renewal Administrative fee of RM140/year and Medical Health Check fee of RM250/year.
- Students must adhere to the "Policy on Payment of Fees".
- All students are required to pay Student Association Fees of RM40 per semester.

### FEES BY PROGRAMME ROUTES

Programme Route	Total Duration (years)		At International Medical University (IMU)					At Partner University (PU)				At IMU + PU		
			Years	Total Semesters	Tuition Fee				Years	Total Semesters	Tuition Fee *		Total Tuition Fees **	
					Per Semester		Total				Per Year	Total		
					Malaysian Student	International Student	Malaysian Student	International Student					Malaysian / International Student	Malaysian / International Student
<b>Bachelor of Pharmacy (Hons) (IMU)</b>	4	4	8	23,950	25,600	191,600	204,800	–	–	–	–	–	–	
<b>Credit Transfer to University of Otago Bachelor of Pharmacy (BPharm)</b>	4	2	4	23,950	25,600	95,800	102,400	2 yrs & 2 mths	4	NZ\$34,650	NZ\$75,191	321,373	343,011	
<b>Credit Transfer to University of Tasmania<sup>o</sup> Bachelor of Pharmacy (BPharm)</b>	4	2	4	23,950	25,600	95,800	102,400	2	4	A\$25,984	A\$51,968	262,097	258,304	

#### Note

<sup>o</sup> The fee for the bridging course is A\$3,248.

\* Current estimates only.

\*\* Based on exchange rates: A\$1 ≈ RM3.2, NZ\$1 ≈ RM3

- Tuition and ancillary fees at partner universities overseas are subject to annual increases.
- All fees are accurate at time of print. For latest fees and information, please go to [www.imu.edu.my](http://www.imu.edu.my).

## Contact Us

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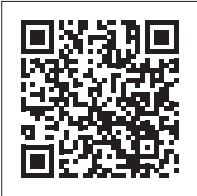
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InternationalMedicalUniversity

### Twitter

IMUMalaysia

### Scan for more



## Programmes at IMU

### Pre-University

Foundation in Science  
KPT/JPT(N/010/3/0186)09/2018

### Undergraduate

Medicine  
KPT/JPT(R/721/6/0033)09/2019

Dentistry  
KPT/JPT(R/724/6/0010)10/2020

Pharmacy  
KPT/JPT(R/727/6/0050)09/2019

Pharmaceutical Chemistry  
KPT/JPT(R/442/6/0003)01/2018

Dietetics with Nutrition  
KPT/JPT(R/726/6/0021)09/2017

Nutrition  
KPT/JPT(N/726/6/0011)06/2017

Biomedical Science  
KPT/JPT(R/421/6/0011)12/2017

Medical Biotechnology  
KPT/JPT(R/545/6/0014)09/2017

Psychology  
KPT/JPT(R/311/6/0013)09/2017

Chiropractic  
KPT/JPT(R/726/6/0054)08/2019

Chinese Medicine  
KPT/JPT(R/721/6/0059)01/2020

Nursing Science  
(for registered nurses)  
KPT/JPT(R/723/6/0101)01/2019

### Postgraduate

Public Health (MSc)  
KPT/JPT(R/720/7/0077)09/2020

Analytical & Pharmaceutical  
Chemistry (MSc)  
KPT/JPT(N/442/7/001)01/2017

Molecular Medicine (MSc)  
KPT/JPT(N/421/7/0010)07/2017

Pharmacy Practice (Master)  
KPT/JPT(N/727/7/0051)03/2019

Medical & Health Sciences  
(MSc & PhD by Research)  
KPT/JPT(R/721/8/0043)01/2020  
KPT/JPT(R/720/7/0049)06/2019

Health Professions Education (HPE)  
(Postgraduate Certificate/  
Postgraduate Diploma/Master)  
KPM/JPT(N/145/7/0066)09/2020  
KPM/JPT(N/145/7/0064)09/2020  
KPM/JPT(N/145/7/0070)09/2020

Implant Dentistry (Postgraduate Diploma)  
KPT/JPT(N/724/7/0019)06/2021



INTERNATIONAL MEDICAL UNIVERSITY  
MALAYSIA

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ISO 9001:2008 Cert. No. KLR 0500119

The IMU has been KLR certified with MS ISO 9001:2008 for the provision of tertiary education in medicine, pharmacy and health sciences.

Every effort has been made to ensure the accuracy of the information given in this brochure but it is subject to alteration without notice.

The University reserves the right to alter or delete any of the information included at any time and it shall not be bound by any errors or omissions and cannot accept liability in respect thereof.

Please visit [www.imu.edu.my](http://www.imu.edu.my) for the most up-to-date information.

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