

ENTRY REQUIREMENTS

Bumiputera with the following qualifications are eligible to apply:

For candidates from STPM programme:

- Pass STPM or equivalent with minimum CGPA 3.0, and Grade B (GPA of not less than 3.00) in Chemistry, and
- Pass SPM or equivalent inclusive of a credit in Bahasa Melayu and Grade C in English, and
- MUET Band 3

For candidates from the Asasi or Matriculation Programme

- Has achieved a minimum CGPA of 3.5 in Asasi UiTM/PASUM/Matriculation, with minimum Grade B in Chemistry, and
- Pass SPM or equivalent inclusive of a credit in English and Grade B in Biology, Chemistry, Physics, and Mathematics or Additional Mathematics and one other subject.

For candidates from the Diploma Programme:

Diploma Pharmacy UiTM

- Diploma in Pharmacy from UiTM with CGPA of at least 3.50, and
- Pass SPM or equivalent inclusive of a credit in Bahasa Melayu and at least Grade C in English, and
- Has achieved excellence in Chemistry, Biology/Physics and Mathematics of Grade B in Biology, Chemistry, Physics, and Mathematics or Additional Mathematics and one other subject; and
- MUET, A minimum of Band 3

Diploma in Science UiTM

- Diploma in related sciences (Chemistry, Biology, Physics) from UiTM with CGPA of at least 3.75 including Grade B in Chemistry, and
- Pass SPM or equivalent inclusive of a credit in Bahasa Melayu and at least Grade C in English, and
- Has achieved excellence in Chemistry, Biology/Physics and Mathematics of Grade B in Biology, Chemistry, Physics, and Mathematics or Additional Mathematics and one other subject; and
- MUET, A minimum of Band 3

SPONSORSHIP

Students may apply for scholarships or loans offered by various states, Public Service Department (JPA), Majlis Amanah Rakyat (MARA), Ministry of Defence, Perbadanan Tabung Pendidikan Tinggi Nasional (PTPTN) or the private sector.

STUDENT INTAKE

September every year

DIPLOMA IN PHARMACY – (PH110)

PROGRAMME STRUCTURE

The Diploma in Pharmacy a niche programme of the faculty, being only Diploma of Pharmacy programme approved by the Public Services Department. The programme is aimed at training pharmacy assistants (formerly known as dispensers). Included in this programme are courses in the Life Sciences, Mathematics, Chemistry, Pharmaceutics, Pharmacotherapy, Sterile Pharmaceutics and Communication Technology in Pharmacy. These courses are taught in the first and second years of the programme. Students undergo practical training in major hospitals to gain hands-on experience in the third (final) year.

CAREER OPPORTUNITIES

Pharmacy assistants help registered, licensed pharmacists to dispense medications and healthcare products to patients. There is strong demand for Pharmacy Assistants in government and private hospitals, community pharmacies and the pharmaceutical industry. The job prospect is expected to be further enhanced due to the current and future expansion of healthcare services in the country.

Qualified Diploma of Pharmacy holders of students can apply to pursue Bachelor of Pharmacy (Hons.) programme.

ENTRY REQUIREMENTS

- A pass in SPM or its equivalent as recognized by the Malaysian Government with at least five (5) credits including Bahasa Malaysia
- A minimum Grade B/4B in English,
- A minimum Grade of 5C/C in
 - Additional Mathematics/Mathematics
 - Chemistry
 - Biology

Or

A pass in UiTM's Pre Diploma Science (PD008) with CGPA of at least 3.50

STUDENT INTAKE

May every year

Please submit your online application at:
<http://www.mohe.gov.my>

For further enquiries, please contact:

**Dean
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Website: www.pharmacy.uitm.edu.my**

UNIVERSITI
TEKNOLOGI
MARA



FACULTY OF PHARMACY

PROGRAMME

The programmes offered by this faculty are:

Ph.D Programmes (By Research)

- PH950 Doctor of Philosophy (Pharmacogenomics)
- PH951 Doctor of Philosophy (Pharmacoinformatics)
- PH952 Doctor of Philosophy (Pharmacognosy)
- PH953 Doctor of Philosophy (Community Pharmacy)
- PH954 Doctor of Philosophy (Pharmacoeconomics)
- PH955 Doctor of Philosophy (Pharmacoepidemiology)
- PH956 Doctor of Philosophy (Microbiology)
- PH957 Doctor of Philosophy (Biochemistry)
- PH958 Doctor of Philosophy (Nuclear Pharmacy)
- PH959 Doctor of Philosophy (Veterinary Pharmacy)
- PH960 Doctor of Philosophy (Pharmacy Education)
- PH961 Doctor of Philosophy (Neuroscience)
- PH962 Doctor of Philosophy (Social {Pharmacy})
- PH963 Doctor of Philosophy (Public Health Pharmacy)
- PH964 Doctor of Philosophy (Pharmaceutics)
- PH965 Doctor of Philosophy (Cosmetics)
- PH966 Doctor of Philosophy (Pharmacology)
- PH967 Doctor of Philosophy (Physiology)
- PH968 Doctor of Philosophy (Toxicology)
- PH969 Doctor of Philosophy (Pharmaceutical Chemistry)
- PH970 Doctor of Philosophy (Clinical Pharmacy)

M.Sc Programmes (By Research)

- PH750 Master of Science (Pharmacogenomics)
- PH751 Master of Science (Pharmacoinformatics)
- PH752 Master of Science (Pharmacognosy)
- PH753 Master of Science (Community Pharmacy)
- PH754 Master of Science (Pharmacoeconomics)
- PH755 Master of Science (Pharmacoepidemiology)
- PH756 Master of Science (Microbiology)
- PH757 Master of Science (Biochemistry)
- PH758 Master of Science (Nuclear Pharmacy)
- PH759 Master of Science (Veterinary Pharmacy)
- PH760 Master of Science (Pharmacy Education)
- PH761 Master of Science (Neuroscience)
- PH762 Master of Science (Social {Pharmacy})
- PH763 Master of Science (Public Health Pharmacy)
- PH764 Master of Science (Pharmaceutics)
- PH765 Master of Science (Cosmetics)
- PH766 Master of Science (Pharmacology)
- PH767 Master of Science (Physiology)
- PH768 Master of Science (Toxicology)
- PH769 Master of Science (Pharmaceutical Chemistry)
- PH770 Master of Science (Clinical Pharmacy)

Master Programmes (By Coursework)

- PH771 Master in Clinical Pharmacy
- PH772 Master in Pharmacy Practice

Bachelor Programme

- PH240 Bachelor of Pharmacy (Hons.)

Diploma Programme

- PH110 Diploma in Pharmacy

Both the postgraduate degrees, Master's of Science and Doctor of Philosophy are research-based. Collaborations of research with other faculties of UiTM and local as well as international universities have been established. A candidate applying for admission to the degree is required to submit a research proposal and will be interviewed by members of Postgraduate Committee. The candidate will be provided with basic courses including research methodology and study design as well as skills to write good proposals and thesis.

DOCTOR OF PHILOSOPHY (Ph.D)

ENTRY REQUIREMENTS

- A Master's degree in Science or other related fields from UiTM or any other institutions of higher learning recognized by UiTM Senate, or
- An Honours Degree in Pharmacy or a science-related field with a minimum CGPA of 3.50 from UiTM or any other institutions of higher learning recognized by UiTM Senate, or
- Other qualification equivalent to the Master's degree (in a relevant field) with appropriate experience in a related field recognized by UiTM Senate
- A candidate is required to submit a research proposal and will be interviewed by members of Postgraduate Committee.
- International candidates must have a **TOEFL score of 550** or an **IELTS** score of at least **Band 6**.

MASTER OF SCIENCE (M.Sc)

ENTRY REQUIREMENTS

- An Honours Degree in Pharmacy or a science-related field with a minimum CGPA of 2.50 from UiTM or any other institutions of higher learning recognized by UiTM Senate, or
- Other qualifications equivalent to a first degree (in a relevant field) with appropriate experience in a related field recognized by UiTM Senate
- A candidate is required to submit a research proposal and will be interviewed by members of Postgraduate Committee.
- International candidates must have a **TOEFL score of 550** or an **IELTS** score of at least **Band 6**.

STUDENT INTAKE

Throughout the year

AREAS OF SPECIALISATION

- Physiology / Pharmacology / Toxicology / Pharmacogenomics
- Chemistry of Natural Products (Phytochemistry, Microbial metabolites, Synthesis)
- Molecular modeling (drug-ligand interactions, quantum chemistry, QSARs)
- Medicinal and Supramolecular Chemistry
- Pharmaceutics (Tableting, encapsulation and nanoparticles)
- Pharmaceutical Technology
- Clinical Pharmaceutics
- Nutraceuticals
- Cosmeceutics
- Neuroscience
- Pharmacy Practice (Clinical Pharmacy & Community Pharmacy)
 - Pharmacotherapy
 - Pharmacoepidemiology
 - Evidence-based Medicine
 - Public Health Pharmacy
- Pharmacy Management
- Pharmacoethics
- Pharmacoeconomics
- Pharmacy Informatics

- Traditional and Complementary Medicine
- Sports Pharmacy

INSTRUMENTATION TRAINING

Students will be trained to specialise in specific equipment relevant to the conduct of their studies which include:

- Gas Chromatography-Mass Spectrometry
- High Performance Liquid Chromatography
- Liquid Chromatography-Mass Spectrometry
- Denaturing High Performance Liquid Chromatography
- Polymerase Chain Reaction (PCR)
- Cell Culture
- Bacterial Cloning
- Nuclear Magnetic Resonance
- Microwave synthesiser
- Differential Scanning Calorimetry
- Fourier Transform Infra Red Spectroscopy
- Laser Diffraction Particle Size Analyser
- Automatic Activity Meter (Behavioural Studies)
- Lung simulators

MODE AND DURATION

Mode	Master's	PhD
	Research	Research
Full Time	3 – 6 semesters	6 – 10 semesters
Part Time	4 – 8 semesters	6 – 12 semesters

For further enquiries, please contact:

Dr. Yogheswaran Gopalan @ Gopal
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42300 Bandar Puncak Alam
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Tel : 03-3258 4662
Fax : 03-32584602
Email : yoghes@puncakalam.uitm.edu.my

MASTER BY COURSEWORK

Master in Clinical Pharmacy and Master in Pharmacy Practices are two new programmes focus on teaching and learning the skills and issues of direct relevance to clinical pharmacy and pharmacy practices. These programmes enable the students to keep abreast of current advances in pharmacy related field and assist pharmacy professionals in expanding their professional skills and knowledge. It incorporates didactic courses, dissertation and hospital attachment and training for the advancement of learning.

MASTER IN CLINICAL PHARMACY – PH771

ENTRY REQUIREMENTS

- Degree in Pharmacy (Hons.) accredited by the Pharmacy Board Malaysia with a CGPA of 3.00 and above from UiTM or any other institutions of higher learning recognized by the UiTM Senate, or
- Degree in Pharmacy (Hons.) accredited by the Pharmacy Board Malaysia with a CGPA of 2.75-2.99 and above from UiTM or any other institutions of higher learning recognized by the UiTM Se-nate and working experiences of at least 2 year in relevant field, or

- Degree in Pharmacy (Hons.) accredited by the Pharmacy Board Malaysia with a CGPA of 2.50-2.74 and above from UiTM or any other institutions of higher learning recognized by the UiTM Senate and working experiences of at least 3 year in relevant field, and
- Any other qualification required by university.

MODE AND DURATION

Full time 1 ½ year – 2 years

COURSES OFFERED

- Pharmacotherapy I
- Pharmacotherapy II
- One Core Clerkship I
- Pharmacotherapy III
- Clinical Pharmacokinetic and Genomics
- Advance Research Methodologies and Application
- One Core Clerkship II
- Dissertation

For further enquiries, please contact:

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42300 Bandar Puncak Alam
Selangor Darul Ehsan
Tel : 03-3258 4643
Fax : 03-3258 4602
Email : mahmathi@puncakalam.uitm.edu.my

MASTER IN PHARMACY PRACTICE – PH772

ENTRY REQUIREMENTS

- Degree in Pharmacy (Hons.) accredited by the Pharmacy Board Malaysia with a CGPA of 3.00 and above from UiTM or any other institutions of higher learning recognized by the UiTM Senate, or
- Degree in Pharmacy (Hons.) accredited by the Pharmacy Board Malaysia with a CGPA of 2.75-2.99 and above from UiTM or any other institutions of higher learning recognized by the UiTM Senate and working experiences of at least 2 year in relevant field, or
- Degree in Pharmacy (Hons.) accredited by the Pharmacy Board Malaysia with a CGPA of 2.50-2.74 and above from UiTM or any other institutions of higher learning recognized by the UiTM Senate and working experiences of at least 3 year in relevant field, and
- Any other qualification required by university.

MODE AND DURATION

Full time 1 ½ year – 2 years

COURSES OFFERED

- Pharmacy Ethics and Legislation
- Hospital and Community Health
- Health Policy and Administrative Pharmacy
- Pharmacoeconomics
- Pharmacoepidemiology
- Evidence Based Medicine and Meta-Analysis
- Advance Research Methodologies and Application
- Pharmacy, Health And Medical Sociology
- Adverse Drug Reactions and Reporting
- Drug Informatics and Pharmacoinformatics
- Dissertation

For further enquiries, please contact:

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Email : drmalar@puncakalam.uitm.edu.my

STUDENT INTAKE

September and March

BACHELOR OF PHARMACY (HONS) – (PH240)

PROGRAMME STRUCTURE

Various approaches are taken to teaching and learning. These include lectures, problem-based learning, tutorials, practical sessions, independent learning, computer-aided learning, clinical skills session and clinical pharmacy training. The duration of this programme is four (4) years.

In the first year, students go through basic science courses in pharmacy, such as organic and organic chemistry, histology, biochemistry, general aspects of physiology and pharmacology and introduction to pharmaceuticals. These provide the students with a strong basic knowledge that facilitates learning in the subsequent three years. In the second and third years, courses offered are mainly system-based pharmacotherapeutics, pathology, microbiology and immunology, dosage form design, pharmacognosy, industrial pharmacy and pharmaceutical bioengineering. In the final year, students will spend a substantial part of the learning in healthcare facilities, including hospitals, clinics, sterile laboratories and outpatient and satellite pharmacies. Student will be taught the art and science of clinical pharmacy practice, including ethics and forensic pharmacy, under the supervision of clinical pharmacy lectures and medical practitioners. Bachelor of Pharmacy (Hons). Students are required to undertake minor studies in management and entrepreneurship.

CAREER OPPORTUNITIES

There is a great demand for pharmacy graduates in both the government and private sectors. Employment opportunities are available in the hospital, retail and community pharmacies, industrial pharmacy, business and commercial sectors, research institute, institutions of higher learning and enforcement pharmacy services.

Pharmacists in healthcare facilities dispense medications and advise the medical staff on the selection and effects of drugs. Some pharmacists specialize in specific drug therapy areas, such as therapeutic drug monitoring, intravenous nutrition support, oncology (cancer chemotherapy), nuclear pharmacy, geriatric pharmacy and psycho-pharmacotherapy (the treatment of mental disorders with drugs). Pharmacists in community and retail pharmacies counsel patient and answer questions regarding prescription drugs including questions of possible side effects of the interactions of various drugs.

Another area for a career in pharmacy is the pharmaceutical industry where the pharmacist manages and directs the manufacture of chemicals, prescription and non-prescription drugs and other health products. Pharmacists may also be involves in marketing, research and product development quality control, sales and administration.

Pharmacists with a postgraduate degree and / or training may pursue a career in teaching and research.