



SEGi

University
Group

A young woman with long dark hair, wearing a white lab coat, is smiling warmly at the camera. She is holding a clipboard with a pen in her right hand. The background shows shelves stocked with various pharmaceutical products in a pharmacy setting.

Pharmacy

What is Pharmacy?

Pharmacy is the science of preparing and dispensing drugs and medicines. Pharmacists are an integral part of the healthcare system.

As key professionals in the healthcare system, pharmacists use their unique knowledge of medicines and skills to provide care for patients. The scope of pharmacy practice includes the compounding and dispensing of medicines, provision of health information advice, and management of disease and medications. Pharmacists also hold key responsibilities in pharmaceutical industry where there is constant demand for pharmacy graduates in drug discovery and development, production, quality assurance, regulatory affairs and clinical research.

Due to the rapid growth of the healthcare system, the increasing elderly population, and the booming pharmaceutical industry, there is an unprecedented demand for pharmacists today in different career settings.

Career Options for Pharmacists

- Community Pharmacy
- Hospital and Clinical Pharmacy
- Pharmaceutical Industry
- Academic Pharmacy
- Government and Regulatory Agencies
- Veterinary Pharmacy

BACHELOR OF PHARMACY (HONS)

The programme focuses on developing practising pharmacists who can make a real difference to patients' well-being while having a rewarding career.

The knowledge of drugs will progress from the study of how drugs are made and analysed for purity, to how they are formulated into dosage forms acceptable to patients. The course integrates scientific knowledge with attaining practical, clinical and professional skills, so equip students to be healthcare scientist of the future.

Programme Modules

Year 1

- Data Analysis in Pharmacy
- Cell Biology
- Human Anatomy and Physiology
- General Chemistry
- Pharmaceutical Organic Chemistry 1
- English
- Pharmaceutical Organic Chemistry II
- Pharmacology I
- Biochemistry
- Pharmaceutical Analysis I
- Pharmaceutics I
- Introduction to Pharmacy Practice

Year 2

- Pharmacology II
- Pharmaceutical Analysis II
- Pharmaceutics II
- Microbiology and Immunology
- Pharmacy Practice I
- Applied Pharmacotherapeutics I
- Pharmaceutics III
- Genetics and Molecular Biology
- Pharmacy Practice II
- Pharmacy Business Management
- Complementary Medicine
- Business Ethics

Year 3

- Applied Pharmacotherapeutics II
- Pharmacokinetics and Clinical Pharmacokinetics
- Pharmaceutics IV
- Pharmacy Practice III
- Toxicology
- Natural products in Medicine
- Environmental Management and Technology
- Applied Pharmacotherapeutics III
- Medicinal Chemistry
- Evaluating Pharmacotherapy, Pharmacoepidemiology and Pharmacoeconomics
- Pharmaceutical Care in Specific Populations
- Electives
- Entrepreneurship Development

Year 4

- Research in Pharmacy
- Research Project I
- Research Project II
- Clinical Pharmacy I
- Clinical Pharmacy II
- Clinical Pharmacy III

Key Features

- Integration of teaching and learning activities, from lectures, practical, workshops to problem-based learning
- Curriculum designed to prepare students for work-based training after graduation through progressive development of skills and competencies using simulations and supervised practice
- Exposure to hospital, community and industrial pharmacy practice through visits and placements
- Opportunity to be involved in research in Year 4 by working under the supervision of academic staff



Facilities at SEGi University

The Faculty of Pharmacy is equipped with a wide range of state-of-the-art equipments used for teaching and learning.

Pharmaceutical Chemistry Lab

This laboratory is furnished with equipments used for routine chemical and biological sample analysis. The laboratory is equipped with High Performance Liquid Chromatography, Atomic Absorption Spectroscopy and Fourier Transform Infrared Spectroscopy machines.

Pharmaceutics Laboratory

The pharmaceutics laboratory enables students to manufacture as well as test the quality of a variety of medication. The laboratory is equipped with modern machinery including:

- 8-station rotary tablet press
- High intensity mixers and blenders
- Quality control equipments such as friability testers, hardness testers, dissolution testers and disintegration testers
- UV-Visible spectrophotometers

Biology Lab

This laboratory is equipped with various equipment used for the teaching of pharmacology, biochemistry and microbiology.

Physiology Laboratory

This specially designed laboratory is equipped with high quality equipments used to teach students the body functions. It is complete with exercise bikes, respiratory meters and powerlabs.

Mock Dispensary

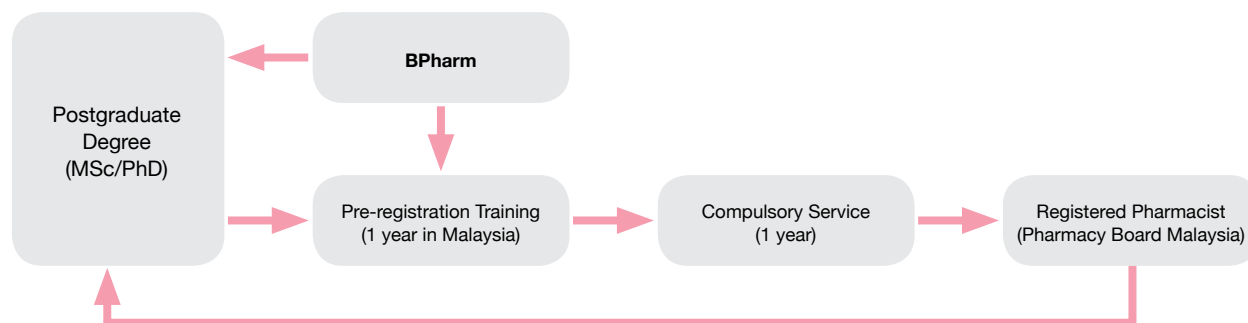
This specially designed suite is built to meet the specifications and requirements of a community pharmacy.

Aseptic Suite

This laboratory is used for the teaching of skills related to specialised preparation and dispensing of injectables and other sterile medications. The aseptic suite mimics the settings in most hospitals.



Pharmacy Registration in Malaysia



Academic Entry Requirements

Foundation in Science	CGPA 3.5 including a minimum of B in Chemistry
Ministry of Education Matriculation	CGPA 3.0 including a minimum of B in Chemistry
STPM	CGPA 3.0 including a minimum of B in Chemistry
A-Levels	BBB or AAC or 1A, 1B, 1C in Chemistry and Biology and Physics or Mathematics, with B in Chemistry
Diploma in Pharmacy	CGPA 3.5
Diploma in Science (Chemistry/Biology/Physics)	CGPA 3.75 including a minimum of B in Chemistry
Degree in Science	CGPA 2.75
Other equivalent qualifications	Will be considered on a case-by-case basis

Additional requirements

- 1 For Foundation in Science, Matriculation and Diploma : Students must pass SPM with a minimum of 5Bs in Biology, Chemistry, Physics, Mathematics (or Additional Mathematics) and one other subject
- 2 It is compulsory for all Malaysian citizens to pass Bahasa Malaysia and English with minimum of grade C in SPM or equivalent
- 3 All Malaysian students must sit for Malaysian University English Test (MUET) with minimum Band score of 3 before graduation

Intake

September

the best in you, made possible



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University
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SEGi University (KPT/JPT/DFT/US/B36)

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SEGi Programmes Available

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