

# PHARMACY

 **Experienced** lecturers

 **Close collaboration** with the industry

 **100%** employability rate



**SEGi**  
University &  
Colleges

**18,000**  
Students



**550** Academics | **9.1%** foreign faculty staff

**546**  
Management & support staff



Quality education accredited and assured by the Malaysian Ministry of Education and other organisations



Internal processes in compliance with international standards

ISO 9001:2015 Certified



Cert no: MY14/05009

Cert no: MY14/01588



## INTRODUCTION TO

# SEGi UNIVERSITY & COLLEGES

Established for more than 46 years, SEGi has equipped graduates from diverse backgrounds with exceptional foundations for career achievement and personal success.

SEGi first opened its doors as Systematic College in 1977 in the heart of Kuala Lumpur's commercial district, offering professional qualifications. Since then, SEGi has experienced significant growth by adapting and catering to an increasing demand for higher academic and professional qualifications in Malaysia.

Today, SEGi is one of the largest private higher education providers in Malaysia and serves more than 18,000 students through its five major campuses located in Kota Damansara, Kuala Lumpur, Subang Jaya, Penang and Kuching. With programmes tailored to meet both industry and student needs, SEGi graduates have easily found employment and many have gone on to become leaders of their respective industries.



# WHERE PASSION MEET COMPASSION



The QS Stars™ rating system has been operated by the QS Intelligence Unit, the independent compiler of the QS World University Rankings® since 2004. The system evaluates universities across various important performance indicators as set against pre-established international standards. By covering a broader range of criteria than any world ranking exercise, QS Stars™ shines a light on both the excellence and the diversity of the rated institution.



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**P**harmacy is the science concerning the discovery and development of therapeutic substances into medicines for use in disease treatment and prevention. Pharmacists apply their unique knowledge on the use of medicines and pharmacy skills to provide effective patient care in order to achieve optimum treatment outcomes.

Pharmacists compound and dispense medicines, and provide health advice to the community and manage diseases and medicines. They also hold key responsibilities in the pharmaceutical industry where they are involved in drug discovery and development, production and quality control of medicines.

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

**MEET THE  
EDUCATORS**



Teaching



Internationalisation



Online Learning



Arts & Culture



Employability



Academic Development



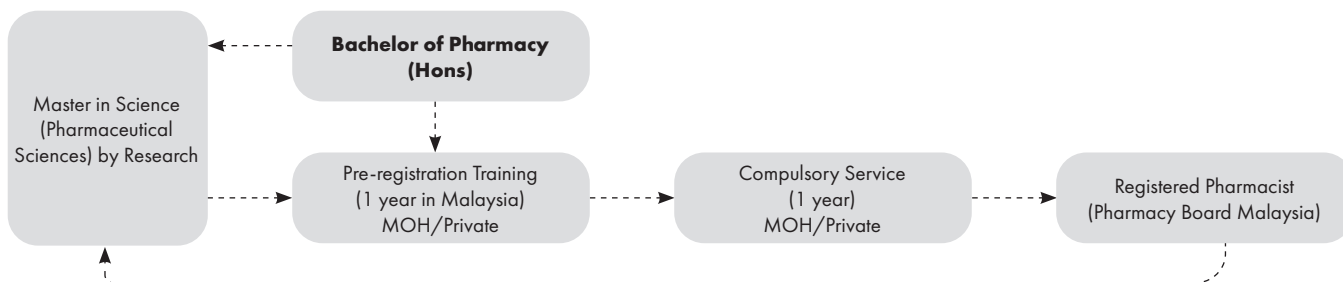
Bachelor of Medicine and  
Bachelor of Surgery (MBBS)



Inclusiveness

# STUDY ROUTE

## HOW TO BE A REGISTERED PHARMACIST IN MALAYSIA?



## PROGRAMME MATRIX

Programme	Awarding Institution	Campus	Intake
Bachelor of Pharmacy (Hons)	SEGi University	Kota Damansara	September

## ACADEMIC ENTRY REQUIREMENTS

- Foundation in Science**  
 CGPA 3.0 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 with BBB or ABC or AAC in Biology, Chemistry, and Physics or Mathematics, including a minimum of B in Chemistry
- A-Levels**  
 BBB or ABC or AAC in Biology, Chemistry, and Physics or Mathematics, with a minimum of B in Chemistry
- Diploma in Pharmacy**  
 CGPA 3.5 or above
- Diploma in Science (Chemistry/Biology/Physics)**  
 CGPA 3.75 including a minimum of B in Chemistry
- Degree in Science**  
 CGPA 2.75 or above
- UEC**  
 Pass UEC with minimum of B4 in 5 subjects in Biology, Chemistry, Physics, Mathematics, and Additional Mathematics (or one other subject)
- Australian Matriculation (AUSMAT)**  
 High School Certificate - Sydney Australia  
 Monash University Foundation Year (MUFY)  
 NSW Higher Education Certificate (HSC, Year12)  
 Northern Territory Certificate Education (NTCE, Year12)  
 South Australian Certificate of Education (SACE)  
 South Australian Matriculation (SAM)  
 Tertiary Entrance Education (TEE)  
 Trinity College Foundation  
 University of NSW Foundation  
 Western Australian Certificate of Education (WACE, Year12)  
 Western Australian Curriculum Council  
 Minimum aggregate or TER/UAI/ENTER/ATAR of 80% including in Biology, Chemistry, and Physics or Mathematics, with a minimum of B in Chemistry or equivalent
- Canadian Pre-University (CPU)**  
**Canadian International Matriculation Programme (CIMP)**  
 Minimum aggregate of 80% including Biology, Chemistry and Physics or Mathematics with a minimum of B in Chemistry or equivalent
- International Baccalaureate (IB)**  
 Pass IB with minimum score of 30 (exclusive of bonus points) with two Science or Mathematics subjects at Higher Level (HL) and another one Science subject at Standard Level (SL), and a minimum score of 4 in Biology, Chemistry and Physics or Mathematics
- Other equivalent qualifications**  
 Will be considered on a case-by-case basis

## ADDITIONAL REQUIREMENTS

- For Foundation in Science, Matriculation, and Diploma students:  
 Pass SPM with a minimum of 5Bs in Biology, Chemistry, Physics, Mathematics (or Additional Mathematics), and one other subject
- All Malaysian citizens to pass Bahasa Malaysia and English with minimum of Grade C in SPM or equivalent
- English requirement:
  - Malaysian University English Test (MUET) with minimum Band score of 3 or
  - Test of English as a Foreign Language (TOEFL) scoring 550 or
  - International English Language Testing Service (IELTS) with minimum of Band 6 (5.5 for each skill - Writing, Reading, Listening/Speaking) or
  - Cambridge English Qualifications and Tests (Linguaskill) with minimum score of 154

# BACHELOR OF PHARMACY (HONS)

KD(R2/727/6/0014) (02/29) (MQA/FA0325)

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; and their use in the prevention and treatment of diseases. The programme integrates scientific knowledge while attaining practical, clinical and professional skills, in preparing students to be competent healthcare professionals of the future.

## Programme Modules

The following is the core programme content. The courses are subjected to regular reviews and updates to incorporate relevant new developments in pharmacy to reflect the latest scientific discoveries, technologies, and practice guidelines.

## Programme Modules

### Year 1

#### Semester 1

- Data Analysis in Pharmacy
- Cell Biology
- Human Anatomy and Physiology
- General Chemistry
- Pharmaceutical Organic Chemistry 1
- Basic Principles of Pharmacology

#### Semester 2

- Pharmaceutical Organic Chemistry II
- Pharmacology of Cardiovascular, Renal and Respiratory Systems
- Biochemistry
- Pharmaceutical Analysis I
- Physical Pharmaceutics
- Introduction to Pharmacy Practice

### Year 2

#### Semester 1

- Pharmacology of Gastrointestinal, Endocrine, Musculoskeletal and Reproductive Systems
- Pharmaceutical Analysis II
- Formulations and Technology I
- Microbiology and Immunology
- Community Pharmacy Practice
- Pharmaceutical Compounding and Extemporaneous Preparations
- Pharmacology of Nervous System

#### Semester 2

- Applied Pharmacotherapeutics I
- Formulations and Technology II
- Genetics and Molecular Cell Biology
- Dispensing Practice
- Pharmacology of Haematology System, Antimicrobial and Cancer Drugs

### Year 3

#### Semester 1

- Applied Pharmacotherapeutics II
- Pharmacokinetics and Clinical Pharmacokinetics
- Formulations and Technology III
- Complementary and Alternative Medicine
- Toxicology
- Natural Products in Medicine
- Pharmacy Legislation & Ethics

#### Semester 2

- Applied Pharmacotherapeutics III
- Medicinal Chemistry
- Quality Use of Medicines
- Pharmaceutical Care in Specific Populations
- Industrial Pharmacy
- Electives: Pharmaceutical Quality Assurance/ Bioinformatics/ Public Health & Disease Prevention/ Cosmeceuticals

### Year 4

#### Semester 1

- Research Methodology
- Research Project
- Research Dissertation
- Community Pharmacy Placement

#### Semester 2

- Hospital Pharmacy
- Clinical Clerkship I
- Clinical Clerkship II
- Pharmaceutical Industry Placement

\* Students are also required to undertake Mata Pelajaran Umum (MPU) as required by the Ministry of Higher Education, Malaysia.

## Career Opportunities

Community Pharmacy, Hospital and Clinical Pharmacy, Pharmaceutical Industry, Academia, Government and Regulatory Agencies, Veterinary Pharmacy, Military Pharmacy, and Research.





**SEGi University** (100589-U)

☎ 603 6145 1777    📞 011 1501 8838

**SEGi College Kuala Lumpur** (42114-V)

☎ 603 2070 2078    📞 012 988 7482    📞 1800 88 8028

**SEGi College Subang Jaya** (284515-V)

☎ 603 8600 1777    📞 010 313 0303

**SEGi College Penang** (187620-W)

☎ 604 263 3888    📞 013 629 4880

**SEGi College Sarawak** (172726-T)

☎ 6082 252 566    📞 017 859 2566    📞 1300 88 7344

**Regional Centre:**

**SEGi University Regional Centre, Johor Bahru**

☎ 607 235 9188    📞 010 313 0303

The best in you, made

**POSSIBLE**

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