

PHARMACY



SEGi
University

Towards
iR4.0

INTRODUCTION TO SEGi UNIVERSITY

SEGi was established in 1977 as Systematic College in the heart of Kuala Lumpur offering professional qualifications. Since its founding over four decades ago, SEGi has undergone significant growth, strengthening the quality of its wide range of programmes from foundation to doctorate level.

It is one of the most established private higher education institutions in Malaysia with its flagship campus located in Kota Damansara and four other campuses in Subang Jaya, Kuala Lumpur, Penang, and Kuching. Currently, SEGi has a population of 20,000 local and international students across its campuses.

SEGi is recognised as “The first Malaysian University that earned 5 Stars for Prioritising Society’s Needs in Malaysia” by QS Stars, an international evaluation system for universities based on auditing.



WHERE PASSION MEETS COMPASSION

Pharmacy 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.

“SEGi’s Pharmacy programme aims to integrate scientific, clinical, and professional knowledge with soft skills, providing graduates with competency and skills to contribute effectively within the health care system. Students gain hands-on experience in different pharmacy settings throughout the 4 years, with built-in experiential placements in community and hospital pharmacy, as well as pharmaceutical industry.”

Associate Professor Dr. Tey Kim Kuan
Dean, Faculty of Pharmacy
SEGi University



AT A GLANCE

GLOBAL RECOGNITION

- Emerged in the top 45% of the 2021 QS World University Rankings: Asia
- Double Awards from Top 3.3% of Universities Worldwide (The Centre for World University Rankings 2017 (CWUR) University of Central Lancashire (UCLAN)
- MQA Fully-Accredited Programmes
- 2017 QS Overall 3-star rating with 5-star rating in teaching, facilities, social responsibility, and inclusiveness

SKILLS ENRICHMENT & SUPPORT

- More than 100 SEGi Enrichment Programmes in the areas of leadership, communication, and grooming skills (among others) to enhance students' learning experience
- Academic Skills Unit to assist students in academic writing and effective study, research techniques, time management, academic integrity, and exam preparation
- Mentor-Mentee system to provide guidance to students on academic matters and to foster a close and constructive professional relationship between students and lecturers

EXCELLENT TEACHING, LEARNING & RESEARCH

- SETARA 2018/2019 5-star rating for SEGi University in the Emerging Universities (Universities which have been established within the last 15 years) category
- QS 5 Stars Rated for Excellence in Teaching
- QS 5 Stars Rated for Facilities
- SETARA, 2017 scored above medium of 83 in the category of Teaching and Learning
- Independent students' 2017 evaluation rating: more than 95% of students rated our lecturers for excellence in teaching
- Student to academic staff ratio 21:1, based on SETARA (2017)
- Research-led environment

GLOBALLY RECOGNISED,
DISTINCTIVELY SEGi.

OUR 6 COMPETITIVE ADVANTAGES

SCHOLARSHIPS

- 1st Malaysian University that earned 5 Stars for Prioritising Society's Needs in Malaysia (by QS Stars)
- Over RM100 million worth of Group scholarships awarded in the past 40 over years
- QS 5 Stars rated for inclusiveness and social responsibility

STUDENT SATISFACTION

- 80% of students are willing to recommend their friends and family to study with us

INDUSTRY DRIVEN GRADUATES

- 2017 SETARA Graduate Employability 85%



TOP-NOTCH RESOURCES FOR A QUALITY LEARNING EXPERIENCE

FULLY EQUIPPED LABORATORIES

The laboratories used for the teaching of pharmaceutical chemistry, pharmaceuticals, biology/microbiology are well-equipped with modern instruments. Clinical skills laboratory, mock pharmacy and aseptic suite are also available for teaching purposes to allow students to practise under simulated environment.

PROGRAMME ACCREDITATION

The Bachelor of Pharmacy (Hons) is fully accredited by the Malaysian Qualifications Agency (MQA) and the Pharmacy Board Malaysia (PBM).

A HIGHLY INTEGRATED CURRICULUM

Our curriculum is designed and taught in an integrated manner throughout the duration of the programme to provide students with the scientific knowledge and skills in achieving competencies in the different discipline of pharmacy.

ACTIVE LEARNING SIMULATED ENVIRONMENT

Progressive development of skills and competencies using simulations (with simulated patients) and supervised practice from year 1 to 4.

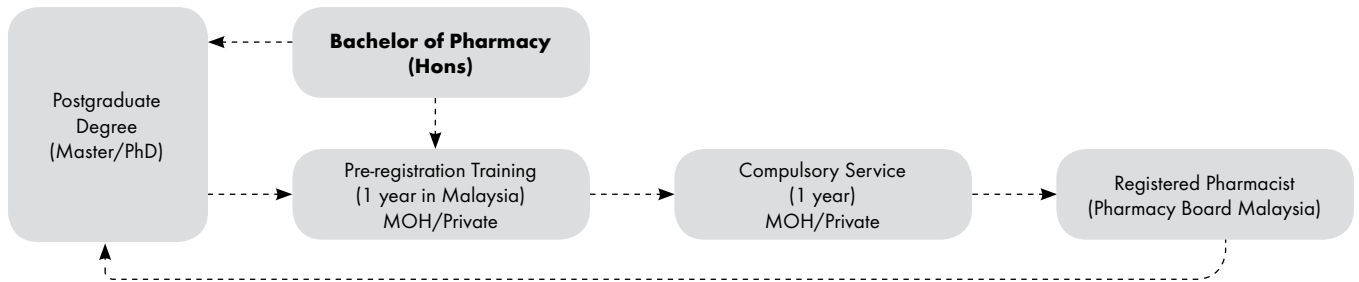
ARRANGED PLACEMENTS FOR WORK-BASED TRAINING

Arranged visits/placements by the Faculty to hospital, community, and industrial pharmacy to prepare students for work-based training.

WELL-ROUNDED ACADEMICIAN

We have a core team of qualified and experienced academic staff who are dedicated in teaching and research, and are passionate about the pharmacy profession.

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	
Sijil Pelajaran Tinggi Malaysia (STPM)	CGPA 3.0 with BBB or AAC or 1A1B1C in Chemistry, Biology, and Physics or Mathematics, including a minimum of B in Chemistry
A-Level	BBB or AAC or 1A1B1C in Chemistry, Biology, 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
Unified Examination Certificate (UEC)	B4 or 70% in 5 subjects in Chemistry, Biology, Physics, Mathematics, and Additional Mathematics (or one other subject)
Australian Matriculation (AUSMAT)	Minimum ATAR of 80% or CGPA 3.00 in Chemistry, Biology, and Physics or Mathematics, with a minimum of B in Chemistry
Western Australian Certificate of Education (WACE)	
South Australian Certificate of Education (SACE)	
Australian University Foundation Programmes	Minimum of 75% aggregate in 4 Subjects or CGPA 3.00 in Chemistry, Biology, and Physics or Mathematics, with a minimum of B in Chemistry
Canadian Pre-University (CPU)	Minimum of 65% in 6 Subjects or CGPA 3.00 in Chemistry, Biology, and Physics or Mathematics, with a minimum of B in Chemistry
Monash University Foundation Year (MUFY)	Minimum of 70% for 3 subjects or CGPA 3.00 in Chemistry, Biology, and Physics or Mathematics, with a minimum of B in Chemistry
International Baccalaureate (IB)	Minimum score of 30 with minimum Grade B in Chemistry, Biology, and Physics or Mathematics for Higher Level (HL) and One For Standard Level
All India Senior School Certificate Examination (AISSC)	Minimum 85% or CGPA 3.00 in Chemistry, Biology, and Physics or Mathematics, with a minimum of B in Chemistry
Ontario Secondary School Diploma (OSSD)	Grade 12 with minimum of 85% or CGPA 3.00 in Chemistry, Biology, and Physics or Mathematics, with a minimum of B in Chemistry
Canadian International Matriculation Programme (CIMP)	Pass with minimum 65% aggregate in 6 subjects including Biology, Chemistry and Physics or Mathematics with a minimum of B in Chemistry
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)

SEGi UNIVERSITY

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, to equip students to be competent healthcare professionals of the future.

Programme Modules

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

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 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 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 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 Ministry of Education, Malaysia.

Career Opportunities

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

segiuniversity.edu.my



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POSSIBLE

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