

# FACULTY OF PHARMACEUTICAL SCIENCES



[ucsiuniversity.edu.my](http://ucsiuniversity.edu.my)



# WORLD'S TOP 1% #265 AND RISING ONE OF ASIA'S TOP PRIVATE UNIVERSITIES

QS WORLD UNIVERSITY RANKINGS 2025

#1

**MALAYSIA'S TOP  
PRIVATE UNIVERSITY  
FOR GRADUATE  
EMPLOYABILITY AND  
OUTCOMES**



**Malaysia's top private  
university for graduate  
employability**

Higher Education Ministry's Graduate Employability 2021-2022 survey.



**Malaysia's top private  
university for  
employment outcomes**

QS World University Rankings 2024



**Four Forbes 30 Under  
30 Asia inductees**



**Three Prestige 40 Under  
40 laureates**

## UCSI's SUBJECT MILESTONES

**QS World  
University  
Rankings by  
Subject 2025**

**#32** PERFORMING  
ARTS (MUSIC)

**TOP 100** HOSPITALITY AND  
LEISURE MANAGEMENT

**TOP 150** ART AND  
DESIGN

**TOP 150** PETROLEUM  
ENGINEERING

**TOP 250** BUSINESS AND  
MANAGEMENT STUDIES

**TOP 450** CHEMICAL  
ENGINEERING

**TOP 500** ELECTRICAL AND  
ELECTRONIC ENGINEERING

**TOP 500** COMPUTER SCIENCE  
AND INFORMATION SYSTEMS

**TOP 600** MEDICINE



UCSI University is the first and only private university in Malaysia to receive a double recognition as Regional Centre of Expertise (RCE) by the United Nations University : RCE Kuching and RCE Greater Kuala Lumpur



**100%**  
**EMPLOYABILITY  
SCORE**

for all UCSI programmes listed in the  
Malaysian Higher Education Ministry's  
Graduate Employability 2022 Survey (IPTs)

**MORE THAN 4,800**



global companies provide  
our students with internships



of our Co-Op  
partners would  
like to hire  
UCSI interns

Students from over  
**120 NATIONS**



International students make up around  
30% of UCSI's student population



**28 UCSI  
ACADEMICS**

are Fellows of Academy of Sciences  
Malaysia or ranked in the World's Top 2%  
Scientists by Stanford University

**>55%**

of UCSI's academic staff  
are PhD holders and a further  
16% are pursuing their doctorate



**The 1<sup>st</sup>** university in Malaysia's private higher education  
sector to offer programmes in Aquatic Science, Biotechnology,  
Food Science, Music and Nutrition





*The artist's impression of UCSI's education city in Kuala Lumpur*

## EMPOWERING CHANGEMAKERS

UCSI University is one of Asia's top private universities. It is classified in the world's top 1% in the QS World University Rankings 2025, by virtue of its top 265 ranking. UCSI was the only university to receive the QS Recognition for Improvement Award - an award given to universities that improve the most ranks on average - at the 2022 QS EduData Summit in New York. And the University has steadily enhanced its global profile over the past decade.

Changemakers study here. Four UCSI alumni are Forbes 30 Under 30 Asia inductees. From social entrepreneurship to impactful visual storytelling, they raise aspirations and win the respect of the world. Three more alumni are Prestige 40 Under 40 laureates for their contributions to Malaysia's creative industry. And many more entrepreneurs, scientists, doctors, media personalities, musicians and national athletes make up UCSI's acclaimed alumni network.

Research and scholarly pursuit are part of UCSI's DNA. The University is equipped with state-of-the-art labs that feature the latest IR4.0 technologies in engineering, medicine, pharmacy and biotechnology. Students learn from academics who are at the forefront of their respective disciplines. UCSI's collaboration with some of the world's best universities also presents invaluable opportunities for students.

Since 2014, UCSI's top students have been annually selected to advance high-impact research at Harvard University, Imperial College London, the University of Chicago, Tsinghua University, the University of Queensland and the University of British Columbia, among others. UCSI students have gone on to work with some of the world's best minds in the fields of endocrinology, nanotechnology, pharmacology and materials science, among other critical fields.

Graduate employability is another one of UCSI's calling cards. The University has a 100% employability score in the Malaysian Higher Education Ministry's Graduate Employability 2022 survey. UCSI counts over 4,800 companies in its industry network. This includes many of the world's best firms like Accenture, CIMB, Deloitte, DHL, EY, HP, HSBC, KPMG, Maybank, Nestle, Samsung, Schlumberger, P&G, Petronas and PWC, among many others. This dynamic setup facilitates internship arrangements, joint research opportunities, technology transfers and of course, job offers.

With these unique strengths and more, UCSI stands out as a university that offers an education few can, provides experiences others can't and delivers game-changing outcomes for students around the world.

# Faculty of Pharmaceutical Sciences

**OUR BACHELOR OF PHARMACY (HONS) PROGRAMME IS FULLY ACCREDITED BY THE PHARMACY BOARD MALAYSIA.**

*Pharmacists do much more than fill prescriptions. They are an integral part of the healthcare system and have the capacity to directly affect the lives and lifestyles of the people with whom they interact. The pharmaceutical industry is also reputed to be one of the most demanding in terms of professionalism and excellence.*

*Established in 2000, UCSI's Faculty of Pharmaceutical Sciences stands out as one of Malaysia's first private pharmacy schools. Offering both undergraduate and postgraduate programmes with a strong emphasis on serving the community, the Faculty is made up of a team of dedicated academic staff who are leading researchers in their own right and cutting-edge research facilities.*

*The integration of coursework with research findings in our teaching enables our students to understand and extend their power of creative and critical thinking in their pursuit of new knowledge. We also provide students with research attachment opportunities at leading institutions such as University of British Columbia in Canada, University of Chicago in USA, and Nihon Pharmaceutical University in Japan. Many of our students publish papers in international refereed journals while others present their findings at national conferences. This speaks volumes about the calibre of our students and who will be part of your cohort as it is an integral part of your lifelong network.*

*This is just a microcosm of the culture of excellence that you will experience first-hand at UCSI University. Your studies here will be insightful as you immerse yourself with the depth of knowledge involved in developing medicinal products, from the discovery of lead compounds to product launches and marketing. You will learn from and work with the best as you contribute to the pursuit and expansion of knowledge. Your journey begins here, at UCSI.*

## 25 YEARS

of experience as a highly established faculty

## 98% PASSING RATE

for three years in the Qualifying Examination for Registration as a Practising Pharmacist.

## > 1,700

pharmacists have graduated from UCSI.

More than **87%** of our faculty staff are PhD holders (double the number compared to other institutions).

Distinguished teaching staff who win

## MULTIPLE RESEARCH GRANTS EACH YEAR

## RESEARCH OPPORTUNITIES

at leading universities

## Why study Pharmaceutical Sciences at UCSI?

**> 240 HRS OF CUMULATIVE ATTACHMENT IN COMMUNITY  
PHARMACY, INDUSTRY AND HOSPITAL**

**ACHIEVED 100% GRADUATE EMPLOYABILITY SCORE IN A  
MINISTRY OF HIGHER EDUCATION SURVEY  
(FROM 2019 TO 2022)**

**STUDENT-CENTRED LEARNING AND TEACHING**

# Renowned Academics

Learn from a team of acclaimed professors and academics who are at the forefront of their respective disciplines. Work with them, be mentored by them and benefit from their wealth of experience.



## PROFESSOR DR MOGANA S RAJAGOPAL

*Dean, Faculty of Pharmaceutical Science*

*PhD (Pharmacy)  
BPharm (Hons)*



## PROFESSOR DR PALANIRAJAN VIJAYARAJ KUMAR

*Head of Department, Pharmaceutical Technology*

*PhD Pharmaceutical Technology  
MPharm Pharmaceutics  
BPharm*



## POR CHOO SHIUAN

*Deputy Dean  
Head of Faculty Internal Quality Assurance*

*Master of Clinical Pharmacy Practice  
Bachelor of Pharmacy (Hons)*



## ASSISTANT PROFESSOR DR CHEONG KOK WHYE

*Head of Department, Pharmaceutical Chemistry*

*PhD (Food Technology)  
Bachelor of Science (Enzyme Technology)  
Bachelor of Science (Hons) Industrial Chemistry*



## ASSISTANT PROFESSOR DR MUHAMMAD JUNAID FARRUKH

*Head of Praxis, Industry and Community Engagement (PICE)*

*PhD (Clinical Pharmacy)  
MSc Clinical Pharmacy  
Bachelor of Pharmacy*



## ASSISTANT PROFESSOR DR FAZLOLLAH KESHAVARZI

*Head of Department, Clinical Pharmacy*

*PharmD  
M. Pharm (Clinical Pharmacy)*



## ASSISTANT PROFESSOR DR KUSHAGRA KHANNA

*Head of Research*

*PhD (Pharmaceutical Sciences)  
M.pharm (Pharmaceutics)  
Bachelor in Pharmacy (Hons)*



## ASSISTANT PROFESSOR DR SASIKALA CHINNAPPAN

*Head of Department, Pharmaceutical Biology*

*PhD (Pharmacology)  
M. Pharm  
Bachelor of Pharmacy (Hons)*



## ASSISTANT PROFESSOR DR LOW MAY LEE

*Head of Postgraduate Studies*

*PhD in Synthesis (Bioinorganic Chemistry)  
Bachelor of Science (Hons) in Chemistry*



## ASSISTANT PROFESSOR DR MARWAN ABDELMAHMOUD ABDELKARIM MAKI

*Head of Programme, Bachelor in Formulation Science (Honours)*

*PhD in Pharmaceutical Sciences  
Master of Sciences in Pharmaceutical Technology  
Bachelor of Clinical Pharmacy*



# Foundation

The Fourth Industrial Revolution is changing the technological landscape of healthcare, industry and personal care sectors, where both pharmacists and formulation scientists will play a pivotal role in the effort. There is a high demand for innovative and dynamic pharmacists and formulation scientists to accommodate the rising needs in this field.

Getting an ideal start has never been more important. To address future challenges in these sectors, this Foundation in Science with pharmaceutical pathway is specially designed to equip students with knowledge and insights on the future of healthcare and various industries including pharmaceuticals, cosmeceuticals, nutraceuticals, and herbaceuticals, among others. Students will study in a well-resourced, supportive learning environment and enjoy strong exposure to industry

trends and developments.

Furthermore, this pathway focuses on core disciplines of pharmaceutical sciences and offers you an excellent opportunity to gain head-start advantages as you progress into UCSI's acclaimed Bachelor of Pharmacy or Bachelor of Formulation Science.

At UCSI University, you will be taught by an experienced team of professors and academics who have strong ties with leading players of the pharmaceutical industry. Take the opportunity to be mentored by them and inculcate independent and critical thinking skills. Above all, fulfil your potential in a dynamic and lively environment that encourages exploration and discovery.

## Start Focused. Stay Ahead.

UCSI's specialised foundation pathway helps you acquire a much stronger grasp of your chosen field of study while covering the overall reach of a standard foundation programme. Apart from helping you immensely as you progress to degree studies, UCSI's foundation programme also provides you with an early taste of what the industry expects.

### Compulsory Courses

- General Biology I
- General Biology II
- General Chemistry I
- General Chemistry II
- General Physics I
- Introduction to IR4.0 Technologies for Sustainable Development
- Fundamentals of Mathematics
- Introduction to Probability and Statistics
- Algebra and Trigonometry
- Introductory Calculus
- Computing Essentials



### Elective Courses (choose any 3)

- Introduction to Pharmacy
- Introduction to Formulation Science
- Current Topics in Aquaculture
- Biotech and Forensics: The Science that Drives Life
- Food and Nutrition: Journey Towards Health
- Role of Engineers in Society
- Elementary Engineering Design
- Fundamentals of Culinary Arts
- Introduction to Hospitality and Tourism Industry
- Event Management
- Web Development
- Fundamentals of Programming
- Introduction to Logistics and Supply Chain Management
- Introduction to Law
- Smart Learning Technology
- Media Literacy
- Civic Studies
- Fundamentals of Design
- Fundamentals of Computer Graphics
- Analytical Drawing
- Introduction to Structure
- Introduction to Built Environment
- Soft Skills for Healthcare Professionals
- Introduction to Medical Sciences



### Bachelor Degrees (Hons)

Bachelor of Pharmacy

OR

Bachelor of Formulation Science

### English Language Requirement for Foundation in Science

Candidates with a minimum grade of A2 in UEC English Language, Band 2 in MUET, 30-31 in TOEFL, 4.0 in IELTS, grade C in O-Level or IGCSE or SPM English 1119, grade B1 (with at least 2 skills at B1) in CEFR, 140 in Cambridge English Qualification, 140 in Cambridge Linguaskill, and 36 in Pearson Test are exempted from SE004 Basic English and SE005 English Foundation. Other equivalent qualification can be exempted on case-by-case basis.

Candidates who scored lower than B+ in SPM English Language or than the above requirement will have to take the SE004 Basic English subject before taking the SE005 English Foundation subject in the foundation year.

# Diploma in Packaging Science and Technology

(N/0512/4/0001) (10/2027) (MQA/PA15593)

The Diploma in Packaging Science and Technology programme provides students with the knowledge and technical skills to contribute effectively to the design of packaging products and their development to solve conventional packaging problems in the industries. The programme trains students to become professional packaging technologists to drive innovation and product packaging quality in the industries, with a pathway to the Bachelor of Formulation Science programme upon graduation.



## FIRST

Packaging Science and Technology  
Diploma Programme in Asia!

**Job-ready education for students.**  
**Learn the science of packaging using current technical standards and technology.**  
Intensive Praxis hands-on approach and industry attachments to improve skills in consumer and industrial products  
**hands-on approach to sustainable natural packaging**

**Job placement opportunities in manufacturing industries such as pharmaceutical, food and beverage, textiles, and others**

## Subject Listing

### Year 1

- Bahasa Melayu Komunikasi 2 (International) (MPU-U1)
- Penghayatan Etika dan Peradaban (Local) (MPU-U1)
- Extracurricular Learning Experience 1 (MPU-U4)
- General Chemistry
- Introduction to Packaging Science
- Mathematics for Packaging Science
- General Physics
- Organic and Inorganic Chemistry
- Analytical Chemistry
- Packaging Instrumentation
- Print Production
- Health and Wellness Products
- Biosafety and Biosecurity
- Introduction to Material Science
- Fundamentals of Microbiology
- Packaging Materials
- Introduction to Biological Products
- Introduction to Biotechnology

### Year 2

- Packaging and Display Design
- Chemical Products
- Introduction to Product Formulation and Development
- Polymer Chemistry for Packaging Materials
- Packaging Processes, Containers and Closer Systems
- Extra-Curricular Learning Experience 2
- Introduction to Spectroscopy
- Industrial Management
- Industrial Internship II
- Environmental Science
- Packaging and Distribution
- Quality Control and Assurance of Packaging
- Packaging of Food Products
- Principles of Entrepreneurship
- Industrial Internship I

## Core Values



# Diploma in Pharmacy

(N/0916/4/0002) (08/2027) (MQA/PA15685)

The Diploma in Pharmacy programme provides students with the skills and knowledge needed to contribute effectively to the healthcare and pharmaceutical industries as pharmacy assistants and technicians. The programme aims to strengthen the nation's need for competent and qualified pharmacy support staff in the healthcare sector by educating students on various aspects of pharmaceuticals, pharmacy practices, communication skills, healthcare management and entrepreneurship and includes attachments in hospital, community, and industrial settings.

Get skilled to support the **pharmaceutical practice** and industry.



**Hands-on PRAXIS** with industry, hospital, and community pharmacies



## Community pharmacy attachment sites

- Juzcare Pharmacy
- Guardian Pharmacy
- Alpro Pharmacy
- Big Pharmacy
- Caring pharmacy
- and many more

## Industrial attachment sites

- Natural Wellness Industries
- Y.S.P. Industries
- Thermo Fisher Scientific
- Xepa-soul Pattinson
- Dynapharma
- and many more

## Hospital attachment sites

- Kuala Lumpur Hospital (HKL)
- Sungai Buloh Hospital
- Ampang Hospital
- Selayang Hospital

## Subject Listing

### Year 1

- Extracurricular Learning Experience 1 (MPU-U4)
- Anatomy and Physiology
- General Chemistry
- Microbiology
- Introduction to Pharmaceutics
- Professional Skills and Development
- Organic and Inorganic Chemistry
- Liquid Dosage Forms
- Dispensing Techniques and Communication
- Medical Devices and Equipment
- Community Attachment

### Year 2

- Solid Dosage Forms
- Semisolid Dosage Forms
- Introduction to Pharmacy Management
- Pharmacology and Pharmacotherapy of Main Body Systems
- Clinical Pharmacy and Pharmacy Practice
- Extra-Curricular Learning Experience 2 (MPU-U4)
- Sterile and Non-Sterile Compounding
- Quality Control of Pharmaceutical Products
- Antimicrobial Therapy
- Pharmacology and Pharmacotherapy of Special Body Systems
- Vitamins, Herbal Supplements and Nutrition
- Integriti dan Anti-Rasuah
- University Life
- Industrial Attachment

### 6 months of attachment after Year 2

- Hospital Pharmacy

## Career Opportunities

Government or private hospital pharmacy assistant | Community pharmacist | Medical or healthcare sales representative | Quality control assistant | Sales and marketing executive | Health service manager | Pharmacy lab assistant



# Diploma in Cosmetic Science

(N/0531/4/0001) (10/2027) (MQA/PA15586)

*This course is for those interested in pursuing a career in the cosmetic sciences and the business side. It intends to provide an introductory overview of the cosmetic product development, beauty care and cosmetics market and explore career options for the cosmetic chemist. The programme syllabus includes the roles & responsibilities of a cosmetic chemist, suggestions and tips on how to get started with a new career in the cosmetics field.*

Tap into the **rising industry of cosmetics**



**Job-ready education** for students in an industry with high demand



**Experiential learning** with **210 hours (10 weeks)** of attachment in cosmetic companies



Opportunities to establish successful SMEs with your own formulas as an entrepreneur in the cosmetics industry.

## Subject Listing

### Year 1

- Extracurricular Learning Experience (MPU-U4)
- Cosmetic Chemistry
- Cosmetic Skin Biochemistry
- Skin Microbiology
- Human Cell Biology
- Fundamental of Microbiology
- Cosmetic Raw Materials and Excipients
- Cosmetic Dermatology and Trichology
- Cosmetic Preparations 1
- Analytical Science and Instrumentation
- Topical Nutraceuticals
- Packaging and Design of Cosmetic Products
- Colloidal Science of Cosmetics

### Year 2

- Cosmeceutical Processes and Technologies
- Cosmetic Preparations 2
- Data Analytics and Artificial Intelligence
- Cosmetic GMP Regulations and Guidelines
- Industrial Management
- Extracurricular Learning Experience 2 (MPU-U4)
- Perfumery, Aromatherapy and Cosmetic Photonics
- Pharmacology and Toxicology
- Herbal Cosmetics
- Cosmetic Entrepreneurship
- Cosmetic Aerosols
- Integriti dan Anti-Rasuah
- University Life
- Industrial Internship

## Career Opportunities

Cosmetic product specialist | Packaging supervisor | Quality assurance chemist | Cosmetic manufacturing operator | Research and development cosmetic chemist | Quality control supervisor | Cosmetic production cum maintenance technician | Cosmetic chemist | Skincare marketing executive | Skincare sales executive | Cosmetic warehouse manager | Perfumery manager | cGMP manufacturing supervisor | Skin consultant or advisor | Cosmetic regulatory executive

# Bachelor of Pharmacy (Honours)

(R2/0916/6/0008)(10/2027)(MQA/FA7765)

Fully accredited by the Pharmacy Board Malaysia, UCSI University's Bachelor of Pharmacy (Hons) is well-known among industry practitioners and employers. Hands-on approach and student-centred, the programme is designed to encourage students to become independent learners who are capable of undertaking and understanding challenges in the use of medicine and in healthcare. The programme is geared towards the patient as the major focus for the application of knowledge of pharmaceutical sciences. There are four main areas within the programme: Physiology and Pharmacology, Pharmaceutical Chemistry, Pharmaceutics and Pharmaceutical Technology, and Clinical Pharmacy and Pharmacy Practice. This programme will equip you with the scientific, clinical and professional knowledge as well as strong communication skills to positively impact the healthcare system.

\* This programme received a 100% graduate employability score in the Ministry of Higher Education's Graduate Employability 2022 survey. (source: [ge.mohe.gov.my/](http://ge.mohe.gov.my/))

## Student Exposure

During semesters, students also get exposure of professional training at different community pharmacies, industrial and hospital pharmacy settings.

### Community pharmacy attachment sites

- Juzcare Pharmacy
- Health Lane Family Pharmacy
- Guardian Pharmacy
- Caring pharmacy
- Alpro Pharmacy
- And 100 more sites
- Big Pharmacy

### Industrial attachment sites

- Natural Wellness Industries
- Dynapharma
- Y.S.P. Industries
- EP Plus
- Thermo Fisher Scientific
- And 24 more sites
- Xepa-soul Pattinson

### Hospital attachment sites

- Kuala Lumpur Hospital (HKL)
- Sungai Buloh Hospital
- Ampang Hospital
- Selayang Hospital

### Research attachments at notable universities

- University of Chicago (USA)
- Virginia Commonwealth University (USA)
- University of British Columbia (Canada)
- Nihon Pharmaceutical University (Japan)
- Universitas Gadjah Mada (Indonesia)
- Universitas Muhammadiyah Purwokerto (Indonesia)
- Universitas 17 Agustus 1945 (Indonesia)
- Manipal Academy of Higher Education (India)
- University of Brunei Darussalam (Brunei)
- Uskudar University (Turkey)
- University of Puthisastra (Cambodia)
- Shiraz University of Medical Sciences (Iran)
- Walailak University (Thailand)
- Delhi Pharmaceutical Sciences and Research University (India)

## Subject Listing

### Year 1

#### Semester I

- General Chemistry for Pharmacy
- Introductory Physiology
- Microbiology for Pharmacy
- Basic Pharmacology and Immunopharmacology
- Professional Skills I
- Extracurricular Learning Experience 1 (MPU-U4)

#### Semester II

- Organic Chemistry
- Basic Medicinal Chemistry
- Biostatistics and Research Methods
- Professional Skills II
- Nervous System and Pharmacotherapy I
- Falsafah dan Isu Semasa  
(For Malaysian and International students) (MPU-U1)

### Year 2

#### Semester I

- Biochemistry for Pharmacy
- Physicochemical Properties of Drugs and Active Pharmaceutical Ingredients
- Cardiovascular System, Blood and Pharmacotherapy
- Antimicrobial Therapy I
- Pulmonary, Renal and Pharmacotherapy
- Extracurricular Learning Experience 2 (MPU-U4)

#### Semester II

- Antimicrobial Therapy II
- Endocrine System and Pharmacotherapy
- Extemporaneous Preparation in Pharmacy
- Gastrointestinal System and Pharmacotherapy
- Pharmacognosy
- Marketing for Pharmacy
- Penghayatan Etika dan Peradaban (for Malaysian students only) (MPU-U1)
- Bahasa Melayu Komunikasi 3 (for international students only) (MPU-U1)

### Year 3

#### Semester I

- Pharmaceutical Analysis I
- Dosage Form Design I
- Basic Pharmacokinetics
- Evidence Based Medicine
- Nervous System and Pharmacotherapy II
- Introductory Clinical Pharmacy
- Extracurricular Learning Experience (MPU-U4)

#### Semester II

- Clinical Pharmacokinetics
- Community Pharmacy Practice
- Dosage Form Design II
- Biotechnology and Pharmacogenomics
- Pharmacy Law and Ethics
- Pharmaceutical Analysis II

### Year 4

#### Semester I

- Advanced Drug Delivery
- Hospital Pharmacy Practice
- Pharmacotherapy I
- Cancer Chemotherapy
- Undergraduate Research Project
- Geriatric Pharmacy
- Pharmacoepidemiology
- Integrity and Anti-Corruption (MPU-U3)
- University Life (MPU-U2)

#### Semester II

- Industrial Clerkship
- Pharmacy Management
- Pharmacotherapy II
- Clinical Clerkship
- Pharmacoeconomics
- Industrial Management
- Drugs of Abuse and Society
- Veterinary Pharmacy

Career  
Opportunities

Community pharmacist | Industrial pharmacist |  
Hospital and clinical pharmacist | Regulatory  
pharmacist

# Bachelor in Formulation Science (Honours)

(R/0531/6/0007)(10/2030)(MQA/FA/13963)

Asia's first bachelor in formulation science degree, provides students with in-depth knowledge and hands-on practical experience of the diverse fields in formulation science and technology. The programme trains students with creative and critical thinking, in addition to the research skills needed to design and formulate innovative products in pharmaceuticals, nutraceuticals, biopharmaceuticals, food, or chemicals. The primary focus of the programme is the intensive hands-on approach and attachments to industries to enhance the knowledge and skills of students for global careers. This programme will equip the students with entrepreneurship skills, marketing as well as the international and local regulatory and environmental standards, with a pathway to register for a related Masters in Pharmaceutical Sciences programme upon graduation.

## Experiential Learning

Students at UCSI will gain invaluable experience through a 12-week industrial attachment at top industries.

### Industrial attachment sites

- Y.S.P Industries
- Hovid Pharma
- Medispec
- Aurelia Pharma
- Wymed Pharma
- Amipro
- Duopharma Biotech
- And 24 more sites

### Research attachments at notable universities

- University of Chicago (USA)
- Virginia Commonwealth University (USA)
- University of British Columbia (Canada)
- Nihon Pharmaceutical University (Japan)
- Universitas Gadjah Mada (Indonesia)
- Universitas Muhammadiyah Purwokerto (Indonesia)
- Universitas 17 Agustus 1945 (Indonesia)
- Manipal Academy of Higher Education (India)
- University of Brunei Darussalam (Brunei)
- Uskudar University (Turkey)
- Shiraz University of Medical Sciences (Iran)

## Subject Listing

### Year 1

#### Semester I

- Biostatistics and Research Methods
- Introduction to Biological Products
- Introduction to Biotechnology
- Physical and Inorganic Chemistry
- Health and Wellness Products
- Extracurricular Learning Experience I (U4)
- Falsafah dan Isu Semasa (U1-Local and International Students)

#### Semester II

- Biosafety and Environmental Science
- Introduction to Pharmacology and Physiology
- Organic Chemistry
- Introduction to Analytical Chemistry
- Formulation of Cosmeceuticals
- Basic Medicinal Chemistry
- Integriti dan Anti-Rasuah (MPU-U2)
- University Life (MPU-U3)

### Year 2

#### Semester I

- Separation Science and Chromatography
- Biochemistry
- Advances in Formulation of Parenterals
- Pharmaceutical Engineering
- Biopharmaceutics and Pharmacokinetics
- Packaging Design and Technology
- Extra-curricular Learning Experience II (U4)
- Penghayatan Etika and Peradaban (U1-Local)
- Bahasa Melayu Komunikasi 3 (U1-International)

#### Semester II

- Instrumental Analysis
- Physicochemical Properties of API
- Formulation of Liquid Dosage Forms
- Formulation of Solid and Semi Solid Dosage Forms
- Co-operative Placement 1
- Bioinformatics (Selective)
- Recombinant Technology (Selective)

### Year 3

#### Semester I

- Introduction to Data Analytics and Artificial Intelligence
- Industrial Biotechnology
- Nutraceuticals and Supplements
- Advanced Drug Delivery
- Industrial Management and Regulations
- Co-operative Placement II
- Research Project in Product Development I
- Extra-curricular Learning Experience III (U4)

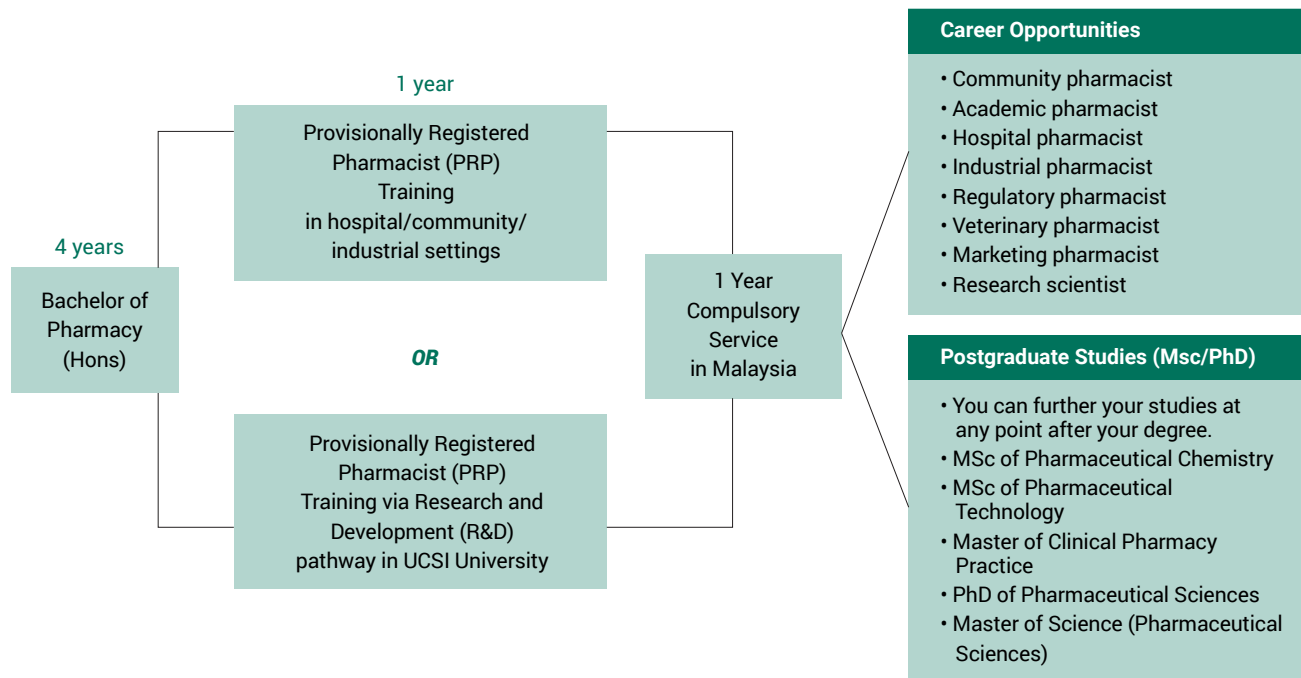
#### Semester II

- Quality Control and Assurance
- Diagnostic Agents and Kits
- Veterinary Products
- GMP Certification and Registration of Product
- Product Innovation and Entrepreneurship
- Research project in Product Development II
- Fermentation Technology and Downstream Processing (Selectives)
- Product Sales and Marketing (Selectives)

### Career Opportunities

Pharmaceuticals manufacturing specialist | Nutraceuticals production coordinator | Cosmeceutical manufacturing expert | Food and beverage production manager | Biotechnology research and development scientist | Veterinary products production specialist | Quality control and assurance manager | Regulatory services specialist | Product management specialist | Sales and support services representative | Research and development specialist

# Career Pathway



## Quality Education

Our students have exceeded a **98% passing rate** for **3 years in a row** in the Malaysian Qualifying Examination for Practising Pharmacists.

**87%** of our lecturers comprise of **PhD holders** and 65% are registered pharmacists with many years of contribution to pharmacy education and pharmaceutical research.



## Experiential Learning

Pharmacy students at UCSI University gain invaluable experience through community, hospital, and industrial attachments.



## Invaluable Opportunities

Our students are annually selected for research attachment programmes by top universities.



## National Recognition

Our programme is Fully Accredited by the Malaysian Pharmacy Board.

The Pharmaceutical service division under the Ministry of Health recognises UCSI as a Provisionally Registered Pharmacist (PRP) training facility under the R&D pathway.



## Student focused learning and teaching

Our programme emphasises on student-centred learning through problem-based learning, project-based learning, and pharmacist role play activities.

Our faculty staff and students are actively involved in various community outreach programmes such as:

- Public Health Campaign
- Know Your Medicine Campaign
- UCSI Pharmcare





# Facilities

Faculty of Pharmaceutical Sciences offers state-of-the-art facilities to ensure students experience a conducive and efficient environment suitable for any study purpose or task related to the field.



A Pharmacy Postgraduate Lab is dedicated to facilitating cutting-edge research. The lab is equipped with advanced facilities like high performance liquid chromatography (HPLC), Fourier transform infrared spectroscopy (FT-IR), and UV-Visible spectrometer, among others.



The Pharmacy Project Lab enables students to understand the technologies used for drug formulation, formulation evaluation and quality assurance of drugs. This purpose-built lab facilitates various research projects.



The Pharmacy Practice Lab is used by students to practise and master their drug compounding and preparation skills in various dosage forms, including the injectables before entering the workforce. A new cleanroom facility is included in this lab.



The Physiology and Pharmacology Lab provides students the equipment and opportunities to explore disease mechanisms, new pharmacological tools and new medications.



Mock pharmacy is used to teach communication and other professional skills such as prescription evaluation, patient counselling and use of over-the-counter medications in an active-learning environment.

# Hall of Fame

## JAYA MUNESWARAO

Alumnus, B-Pharm; M.Pharm, PhD  
Clinical Pharmacist (UF52), Ministry of Health,  
Co-author of National Clinical Practice Guidelines  
on Management of Asthma, Malaysia

"At UCSI, each student is armed with knowledge and tools for a successful career. The faculty members worked very hard on our overall development and provided us with opportunities to enhance our technical and interpersonal skills. UCSI played an important role in moulding me as a competent clinical pharmacist. UCSI provided the foundation for me to be a co-author of Clinical Practice Guidelines on Management of Asthma in adults and pursue my PhD."



## JUSTIN OOI FENG JUN

Alumnus, Bachelor of Pharmacy,  
Quality Manager in a Leading Global  
Pharmaceutical Company

"B-Pharm course from UCSI has brought a tremendous impact to my life and career. It has refined me with necessary skillsets and knowledge in my role as a Industrial Pharmacist in the dynamic nature of pharmaceutical industry. With its excellent track records, graduates from the course are generally recognised and trusted in the industry, nationally and globally."



## ALVIN TEO KUO JING

Alumnus, Bachelor of Pharmacy",  
PhD Candidate at NUS Pharmacist  
serving the Médecins Sans Frontières (MSF),  
also known as Doctors without Borders

"I gained many things at UCSI — academic excellence, industry experience and effective communication skills. The lecturers have always been supportive and they played a significant role in moulding me to who I am today."



## TAE WEY

Alumnus, Bachelor of Pharmacy,  
Branch Manager @ Community Pharmacist  
at Leading Chain Pharmacy

"As a community pharmacist, it is very important to learn soft skills because we deal with various patients. Lifelong learning, a culture that I obtained from UCSI is important for pharmacists, who are experts on medicine. From my experience, UCSI organises many community engagement and healthcare events, which help students to prepare for professional life."



## NUR IZZATI BINTI ZAMANI

Alumna, Bachelor of Pharmacy (Hons)  
Pursuing a master in a local university

The experience that I had with the faculty of pharmaceutical sciences at UCSI University was stimulating, enriching, and rewarding. The staffs and students you encounter here are very diverse which contributes to the unique and good study experience. The faculty provided us with resources that enabled me to set up the foundation for my career. Not to forget the lecturers who were just generous in knowledge and guided me in areas that they could whenever I needed their help.



## GAN EE HOW

Alumnus, Bachelor of Pharmacy  
Military Pharmacy (MilPharm)

Lieutenant Gan Ee How graduated from UCSI University BPharm programme in 2020, and is currently serving in military pharmacy (MilPharm). MilPharm is a professional and challenging career in ensuring military readiness and maintaining fighting strength of the Malaysian Armed Forces (MAF). Besides carrying out his duty in military, Lieutenant Gan Ee How has also published papers on the optimisation of pharmaceutical care for COVID-19 patients in Disaster Management



## NUR ZAIHAN BINTI MUHAMMAD YUSOF

Alumna, Bachelor of Pharmacy  
Pharmacist, Ministry of Health

"UCSI University has very diverse pool of students and staff and this makes it a very fine studying experience. They have a mentor-mentee support system and as a student I found it very helpful. Senior students and lecturers guide their mentees whenever they need help. We also have Skills Lab, which is based on students' role play, this allows us to improve our clinical skills."



## GOH CHUHN HONG

Alumnus, Bachelor of Pharmacy  
Aboriginal and Torres Strait Islander Health  
Services Pharmacist  
Puntukurnu Aboriginal Medical Services  
(Australia)

Registered as Australia Health Practitioner Registration Agency (AHPRA) and Accredited for Medication Review by Australian Association of Consultant Pharmacy (AACP).



# Faculty Events

## KNOW YOUR MEDICINE CAMPAIGN

The "Know Your Medicine Campaign" sought to increase knowledge of the public on the rational use of medicines. It was jointly organised by the Faculty of Pharmaceutical Sciences and the Pharmaceutical Services Division, Ministry of Health. Along with a blood donation drive, this campaign also included personalised patient counselling in avoiding drug-related complications, prevention and early detection of life-threatening chronic diseases such as hypertension, diabetes, hyperlipidaemia and obesity.



## PUBLIC HEALTH CAMPAIGN (PHC)

This is a community event organised annually for the public by pharmacy students of UCSI University. The main purpose of PHC is to increase health awareness among the public and to disseminate health information on the prevention of diseases. Since its inception in 2002, every year, a different health-related themes had been chosen such as cancer, mental illness and coronary heart disease etc.



## WORLD PHARMACISTS DAY AND FORMULATION SCIENTISTS CELEBRATION

UCSI University's Faculty of Pharmaceutical Sciences annually celebrates World Pharmacists Day to promote awareness about the importance and role of pharmacists. It focuses on the extensive expertise that pharmacists need to have to ensure better patient health. These expertise are applied through science and research, educating the next generation, and transforming patient needs into services. It is a platform to interact with industrial, community and hospital stakeholders.



## BOOK PRIZE AWARD

The Book Prize award is aimed at providing ongoing motivation for outstanding students to improve in their academic pursuits sponsored by our prestigious partners namely Big Caring Pharmacy, Medispec, EP Plus Group, Xepa-Soul Pattinson and Natural Wellness.





# Faculty Events

## NUCLEAR MEDICINE FORUM

The forum highlighted Malaysia's emerging nuclear medicine field - from the various career opportunities for nuclear pharmacists to the importance of training and safety protocols to address radiation concerns. The forum also emphasised on the advancement of nuclear medicine into precision medicine and promoting more research in Malaysia.



## UCSI PHARMCARE COMMUNITY PROJECT

Organised by the students of pharmacy, the UCSIPharmCare programme aims to educate the underprivileged while promoting the pharmacy profession and enhancing students' communication skills by providing basic health screening tests and medication reviews to the disadvantaged.



## OATH TAKING CEREMONY AND ALUMNI HOMECOMING

This is a yearly event that celebrates the accomplishment of final year students and UCSI alumni. It is a fun night where staff, students and alumni get the chance to interact with each other and have fun.



## ZUMBA COLOUR FEST

Apart from organising many pharmacy profession-oriented events, our faculty organises recreational events like Zumba and Colour Festival. With Zumba, a workout becomes fun! The event was organised by the Faculty of Pharmaceutical Sciences with exercising being the biggest attraction! It was followed by the Colour Festival - an ice breaking session between students and lecturers for a relaxing and enjoyable atmosphere away from one's daily hectic routines!





# Academic Requirements

QUALIFICATIONS	FOUNDATION IN SCIENCE	BACHELOR OF PHARMACY (HONOURS)	BACHELOR IN FORMULATION SCIENCE (HONOURS)
STPM	N/A	Grade BBB or ABC or AAC in 3 subjects: Biology and Chemistry and Physics or Mathematics with minimum grade B in Chemistry <i>Note: Combination of A-level or STAM and STPM is allowed to fulfil the entry requirement</i>	<ul style="list-style-type: none"> <li>CGPA 2.00 and above with minimum of Grade C (GPA 2.00) in Chemistry and Biology/Physics/Mathematics</li> <li>Pass SPM or equivalent with minimum three (3) credits including Mathematics, Chemistry and one any other subject</li> <li>The credit requirement at SPM level can be waived should the grades obtained at the STPM/A-level/Matriculation/Foundation level are equivalent/higher</li> </ul>
A-Level	N/A	Grade BBB or ABC or AAC in 3 subjects: Biology and Chemistry and Physics or Mathematics with minimum grade B in Chemistry	<ul style="list-style-type: none"> <li>Minimum Grade C in Chemistry and Biology/Physics/Mathematics</li> <li>Pass SPM or equivalent with minimum three (3) credits including Mathematics, Chemistry and one any other subject</li> <li>The credit requirement at SPM level can be waived should the grades obtained at the STPM/A-level/Matriculation/Foundation level are equivalent/higher</li> </ul>
Matriculation or Pre-Study in Medicine and Pharmacy	N/A	Grade BBB or ABC or AAC in 3 subjects: Biology and Chemistry and Physics or Mathematics with minimum grade B in Chemistry <i>and</i> Provided the programme is not less than 1 year and completed in the same institution	<ul style="list-style-type: none"> <li>CGPA 2.00 and above with minimum of Grade C in Chemistry and Biology/Physics/Mathematics</li> <li>Pass SPM or equivalent with minimum three (3) credits including Mathematics, Chemistry and one any other subject</li> <li>The credit requirement at SPM level can be waived should the grades obtained at the STPM/A-level/Matriculation/Foundation level are equivalent/higher</li> </ul>
Pre-Medical/Pre-Pharmacy Programme or Foundation in Sciences Matriculation or Pre-Study in Medicine or Pharmacy	N/A	Grade BBB or ABC or AAC in 3 subjects: Biology, Chemistry, Physics or Mathematics With minimum grade B in chemistry <i>and</i> Provided the programme is not less than 1 year and completed in the same institution <i>and</i> <u>Sijil Pelajaran Malaysia (SPM)</u> 5Bs each in 5 subjects: Biology, Chemistry, Physics, Mathematics or Additional Mathematics, another subject <i>or</i> <u>General Certificate of Education Ordinary ("O") Levels</u> 5Bs each in 5 subjects: Biology, Chemistry, Physics, Mathematics or Additional Mathematics, another subject <i>or</i> <u>Unified Examination Certificate (UEC)</u> B4 each in 3 subjects: Biology, Chemistry, Physics or Advanced Mathematics <i>Note: Combination of SPM and O-Level (or equivalent) results is allowed to fulfill the entry requirement</i>	<ul style="list-style-type: none"> <li>CGPA 2.00 and above with minimum of Grade C in Chemistry and Biology/Physics/Mathematics</li> <li>Pass SPM or equivalent with minimum three (3) credits including Mathematics, Chemistry and one any other subject</li> <li>The credit requirement at SPM level can be waived should the grades obtained at the STPM/A-level/Matriculation / Foundation level are equivalent/higher</li> </ul>
Diploma in Pharmacy or Diploma in Health Sciences or Equivalent	N/A	CGPA 3.5 (out of 4.0) <i>and</i> Provided the programme is not less than 5 semesters or 2.5 years and completed in the same institution <i>and</i> <u>Sijil Pelajaran Malaysia (SPM)</u> 2Bs each in Chemistry, Biology/Physics/Mathematics, credits in 3 other subjects including English <i>or</i> <u>General Certificate of Education Ordinary ("O") Levels</u> 2Bs each in Chemistry, Biology/Physics/Mathematics, credits in 3 other subjects <i>Note: Combination of SPM and O-Level (or equivalent) results is allowed to fulfill the entry requirement</i>	<ul style="list-style-type: none"> <li>CGPA 2.00 and above with minimum of Grade C in Chemistry and Biology/Physics/Mathematics</li> </ul>
Monash University Foundation Pre-University Programme (MUFY)/University of New South Wales (UNSW) Foundation/Western Australian Curriculum Council/Higher School Certificate (HSC) Sydney Australia/Trinity College Foundation Studies/Australian Universities Foundation Programmes/South Australian Matriculation (SAM)/Victorian Certificate of Education, Australia Year 12/Australian Matriculation (AUSMAT)	N/A	Equivalent to an average of 75% for 3 subjects: Biology, Chemistry, Physics or Mathematics with a minimum of 75% in Chemistry <i>or</i> 75% TER/UAI/ENTER/ATAR provided the subjects include: Biology, Chemistry, Physics or Mathematics with a minimum of 75% in Chemistry	<ul style="list-style-type: none"> <li>Aggregate 60% inclusive of Chemistry and Biology/Physics/Mathematics</li> </ul>
UEC	N/A	B4 each in 5 subjects: Biology, Chemistry, Physics, Advanced Mathematics, any other subject	<ul style="list-style-type: none"> <li>Minimum Grade B6 in 5 subjects, including Chemistry, Biology/Physics/Mathematics, and any other three subjects</li> </ul>
Degree in Health or Medical or Pure or Applied Sciences	N/A	CGPA 3.0 (out of 4.0)	
International Baccalaureate (IB) Diploma	N/A	A minimum of 30 points overall and attained a minimum score of 5 each in 3 of the following subjects: Biology, Chemistry and Physics or Mathematics with a minimum of 2 at Higher Level (HL) and 1 at Standard Level	<ul style="list-style-type: none"> <li>Minimum score of 26/42 in 6 subjects including Chemistry and Biology/Mathematics/Physics</li> </ul>
Other international qualifications deemed equivalent to STPM/A-Level by Malaysian Qualifications Agency	N/A	Equivalent to an average of 75% for 3 subjects: Biology, Chemistry, Physics or Mathematics with a minimum of 75% in Chemistry	<ul style="list-style-type: none"> <li>Aggregate 60% inclusive of Chemistry and Biology/Physics/Mathematics</li> </ul>

# Academic Requirements

QUALIFICATIONS	DIPLOMA IN PACKAGING SCIENCE AND TECHNOLOGY	DIPLOMA IN PHARMACY	DIPLOMA IN COSMETIC SCIENCE
<b>SPM/O-Level</b>	Possess Sijil Pelajaran Malaysia (SPM) with three (3) credits in Mathematics, one Science subject (Biology/Chemistry/Physics/General Science) and one any other subject or its equivalent	Possess Sijil Pelajaran Malaysia (SPM) with three (3) credits in Mathematics, one Science subject (Biology/Chemistry/Physics/General Science) and one any other subject or its equivalent	Possess Sijil Pelajaran Malaysia (SPM) with three (3) credits in Mathematics, one Science subject (Biology/Chemistry/Physics/General Science) and one any other subject or its equivalent
<b>STPM</b>	Pass Sijil Tinggi Persekolahan Malaysia (STPM) with a minimum of Grade C (GP2.00) in any subject, or its equivalent; and possess SPM with three (3) credits in Mathematics one Science subject and one any other subject, or its equivalent	Pass Sijil Tinggi Persekolahan Malaysia (STPM) with a minimum of Grade C (GP2.00) in any subject, or its equivalent; and possess SPM with three (3) credits in Mathematics, one Science subject (Biology/Chemistry/Physics/General Science) and one any other subject or its equivalent	Pass Sijil Tinggi Persekolahan Malaysia (STPM) with a minimum of Grade C (GP2.00) in any subject, or its equivalent; and possess SPM with three (3) credits in Mathematics, one Science subject (Biology/Chemistry/Physics/General Science) and one any other subject or its equivalent
<b>STAM</b>	Pass Sijil Tinggi Agama Malaysia (STAM) with a minimum grade of Maqbul, or its equivalent; and possess SPM with three (3) credits in Mathematics, one Science subject and one any other subject or its equivalent	Pass Sijil Tinggi Agama Malaysia (STAM) with a minimum grade of Maqbul, or its equivalent; and possess SPM with three (3) credits in Mathematics, one Science subject (Biology/Chemistry/Physics/General Science) and one any other subject or its equivalent	Pass Sijil Tinggi Agama Malaysia (STAM) with a minimum grade of Maqbul, or its equivalent; and possess SPM with three (3) credits in Mathematics, one Science subject (Biology/Chemistry/Physics/General Science) and one any other subject or its equivalent
<b>SKM</b>	Pass Sijil Kemahiran Malaysia (SKM) (Level 3, MQF) in a related field and possess SPM with one (1) credit	A pass in Sijil Kemahiran Malaysia (SKM) (Level 3, MQF) in a related field (Health Science related) and possess SPM with one (1) credit	A pass in Sijil Kemahiran Malaysia (SKM) (Level 3, MQF) in a related field (Health Science related) and possess SPM with one (1) credit
<b>Certificate</b>	A Certificate (Level 3, MQF) in a related field with a minimum CGPA of 2.00, or its equivalent	A Certificate (Level 3, MQF) in a related field with a minimum CGPA of 2.00, or its equivalent	A Certificate (Level 3, MQF) in a related field with a minimum CGPA of 2.00, or its equivalent
<b>UEC</b>	Minimum grades of B in 3 subjects, inclusive of Mathematics and 1 Science subject	Minimum grades of B in 3 subjects, inclusive of Mathematics and 1 Science subject	Minimum grades of B in 3 subjects, inclusive of Mathematics and 1 Science subject
<b>Polytechnic/Certificate Equivalents</b>	Minimum CGPA 2.0	Minimum CGPA 2.0	Minimum CGPA 2.0
<b>Equivalent Courses</b>	Case-by-case basis	Case-by-case basis	Case-by-case basis
<b>Matriculation</b>	CGPA of 2.0 and above with minimum Grade E in Chemistry and Biology/Physics/Mathematics	CGPA of 2.0 and above with minimum Grade E in Mathematics, one Science subject (Biology/Chemistry/Physics/General Science) and one other subject	CGPA of 2.0 and above with minimum Grade E in Chemistry and Biology/Physics/Mathematics
<b>Other qualifications deemed equivalent to SPM/O-Level by the Malaysian Qualifications Agency</b>		Aggregate 50% inclusive of Mathematics, one Science subject and one other subject	
<b>SAM</b>	Aggregate 50% inclusive of Chemistry, Biology and Physics/Mathematics		Aggregate 50% inclusive of Chemistry, Biology and Physics/Mathematics
<b>CPU</b>	Aggregate 50% inclusive of Chemistry, Biology and Physics/Mathematics		Aggregate 50% inclusive of Chemistry, Biology and Physics/Mathematics
<b>WAEC/NECO</b>	Aggregate 50% inclusive of Chemistry, Biology and Physics/Mathematics		Aggregate 50% inclusive of Chemistry, Biology and Physics/Mathematics
<b>International Baccalaureate (IB)</b>	Minimum score of 20/42 in 6 subjects including Chemistry, Biology and Mathematics/Physics. Minimum scores of 3/7 in Chemistry, Biology and Physics/Mathematics.		Minimum score of 20/42 in 6 subjects including Chemistry, Biology and Mathematics/Physics. Minimum scores of 3/7 in Chemistry, Biology and Physics/Mathematics.

# English Language Requirements

	QUALIFICATIONS	DIPLOMA	BACHELOR OF PHARMACY (HONS)	BACHELOR IN FORMULATION SCIENCE (HONOURS)
<b>Local Students</b>	MUET	Minimum band 3	Minimum band 3	Minimum band 3
	IELTS	Minimum score of 4.0	Minimum score of 5.0	Minimum score of 5.0
	TOEFL iBT	Minimum score of 30-31	Minimum score of 40	Minimum score of 42
	Pearson Test of English	Minimum score of 36	Minimum score of 47	Minimum score of 47
	Cambridge English Qualifications and Tests	Minimum score of 140	Minimum score of 154	Minimum score of 154
	SPM English language	Minimum grade B+	Minimum grade C	Minimum grade B+
	SPM English 1119/O-Level/IGCSE English	Minimum grade of C		Minimum grade of C
	UEC English	Minimum grade of A2		Minimum grade of A2
<b>International Students</b>	MUET	Minimum band 3	Minimum band 3	Minimum band 3
	IELTS	Minimum score of 4/5*	Minimum score of 5.0	Minimum score of 5.0
	TOEFL iBT	Minimum score of 30-31	Minimum score of 40	Minimum score of 42
	Pearson Test of English	Minimum score of 36	Minimum score of 47	Minimum score of 47
	Cambridge English Qualifications and Tests	Minimum score of 140	Minimum score of 154	Minimum score of 154

## Local Students

### ONLY APPLICABLE TO BACHELOR OF PHARMACY (HONOURS)

Malaysian students without a credit in SPM Bahasa Malaysia are required to pass Bahasa Kebangsaan A before graduation. For civil-servant positions, refer to the Public Services Department guidelines.

### ONLY APPLICABLE TO BACHELOR IN FORMULATION SCIENCE AND DIPLOMA

In the event that the English language requirements are not met, applicants will be required to take the Basic English and English Foundation for in-session academic enhancement concurrently with the programme.

Students without a credit in SPM Bahasa Malaysia are required to pass Bahasa Kebangsaan A before graduation.

IGCSE BM is not equivalent to SPM BM, hence student will need to take Bahasa Kebangsaan A.

### ONLY APPLICABLE TO INTERNATIONAL STUDENTS IN DIPLOMA PROGRAMME IN PACKAGING SCIENCE AND TECHNOLOGY

\*IELTS minimum score of 5 is required.

## International Students

International applicants who do not meet the respective academic programme's English Language Requirement will need to improve their proficiency by enrolling into the English for Tertiary Education programme (R/KJP/00920-00929) which helps them prepare for attaining a required band score. Placement into the various levels of the English for Tertiary Education programme depends on the English Language qualification students have at the point of admission and/or the outcome of the English Placement Test.

The applicants who have met the respective academic programme's English Language Requirement may be advised by Faculty to improve their proficiency by undertaking the additional English proficiency courses.

# General Courses (MPU)

## COMPULSORY FOR ALL STUDENTS

DEGREE PROGRAMMES		
MALAYSIAN STUDENTS	INTERNATIONAL STUDENTS	ALL STUDENTS
<ul style="list-style-type: none"> <li>Philosophy and Contemporary Issues</li> <li>Appreciation of Ethics and Civilisations</li> </ul>	<ul style="list-style-type: none"> <li>Philosophy and Contemporary Issues</li> <li>Communication in Bahasa Melayu 2</li> </ul>	<ul style="list-style-type: none"> <li>U2/U3 - Integriti dan Anti-Rasuah University Life</li> <li>U4 - Extracurricular Learning Experience</li> </ul>

While the above information is accurate at the time of printing, please note that entry requirements are subject to change. Please visit the university website for the most updated information.



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