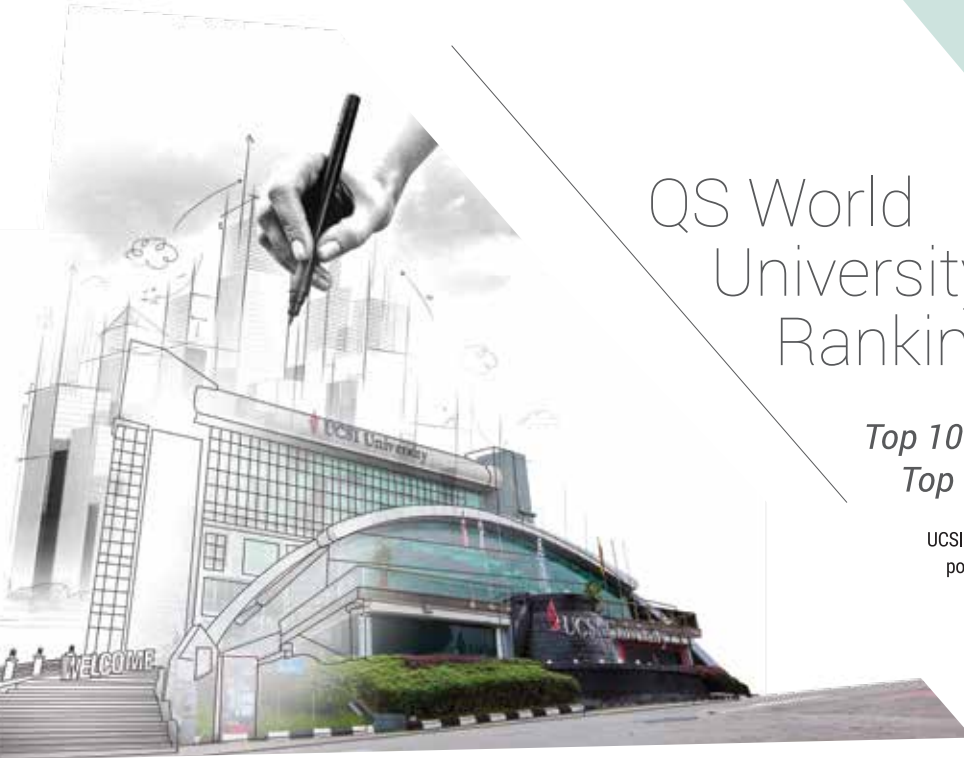


FACULTY OF PHARMACEUTICAL SCIENCES



ucsiuniversity.edu.my





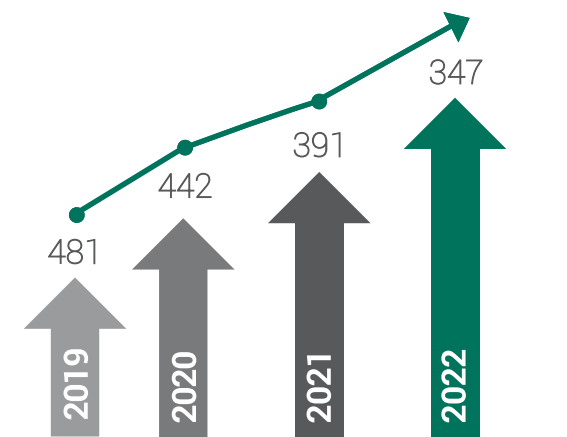
QS World University Rankings 2022

**Top 10 in Malaysia –
Top 1.1% in the world.**

UCSI University continues to hold a formidable position in the QS World University Rankings 2022 after it broke yet another barrier to be placed among the top 350 varsities worldwide. Climbing 44 spots, UCSI has been placed among the top 1.1% of the world's universities.



A steady rise to the top.
with a Breakthrough to Top 350



UCSI's Milestones

QS World University Rankings 2022

- A top seven university in Malaysia, along with the nation's five research universities.
- Ranked in the top 1.1% of all universities in the world.

QS Graduate Employability Rankings 2020

- A top three university in Malaysia for producing employable graduates.

QS World University Rankings by Subject 2021

- Ranked in the top 50 for performing arts.
- Ranked in the top 100 for hospitality and leisure management.
- Ranked in the top 150 for petroleum engineering.
- Ranked in the top 300 for business and management.



UCSI University is the first and only private university in Malaysia to be recognised as a Regional Centre of Expertise (RCE) by the United Nations University – the academic and research arm of the UN.



100%
EMPLOYABILITY
SCORE

for 84 of the 87 UCSI's programmes listed in the Higher Education Ministry's Graduate Employability 2020 survey

Averagely, all 87 programmes scored **99.8%** in the survey.

MORE THAN 4500
global companies provide our students with internships.



Of our co-op partners would like to rehire UCSI Interns.

Students from over **110 NATIONS**
30% of UCSI's student population is international.



>49% of UCSI's academic staff are PhD holders and a further 20% are pursuing their doctorate.



The 1st 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.

Tomorrow's Education Today

***It's not just a campus
expansion. It's an education
city in the making.***

Long-renowned for its excellent track record in teaching and learning, UCSI University is quickly making a name for itself in research and innovation. As the best private university for two years in a row according to the QS World University Rankings 2019 and 2020, UCSI is a higher learning institution that opens doors for students and staff to achieve their full potential.

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 and Tsinghua University, among others.

Over the years, tens of thousands of students from 110 different countries have studied at UCSI University, making the campus a vibrant melting pot of culture and diversity. At present, the university runs what is Malaysia's largest

university-industry network through its Employment and Co-Operative Placement (Co-Op) programme, which provides employment support services for undergraduates and graduates, including alumni.

Today, it has over 4,200 global companies to provide each student with at least two months of internships each year. This network includes many of the world's best firms like Accenture, CIMB, Citibank, Deloitte, DHL, Ernst & Young, Hewlett-Packard, HSBC, KPMG, Maybank, Nestle, Samsung, Schlumberger, Standard Chartered, Ogilvy, P&G, Petronas and PWC, among others.

With these and more, UCSI stands out as a university that offers an education few can, provides experiences others can't and delivers life-defining outcomes for students everywhere.

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 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.

20 YEARS

of experience as a highly established faculty

98% PASSING RATE

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

> 1,300

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 HOURS OF INDUSTRY ATTACHMENT

ACHIEVED 100% GRADUATE EMPLOYABILITY SCORE IN A
MINISTRY OF HIGHER EDUCATION SURVEY (2020)

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.



**ASSOCIATE PROFESSOR
DR MOGANA SUNDARI RAJAGOPAL**
Dean, Faculty of Pharmaceutical Science

*PhD (Pharmacy)
BPharm (Hons)*



**ASSISTANT PROFESSOR
DR SASIKALA CHINNAPPAN**
Head of Department, Pharmaceutical Biology

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



**ASSOCIATE PROFESSOR
DR GABRIEL AKYIREM AKOWUAH**
Head of Department, Pharmaceutical Chemistry

*PhD Pharmaceutical Chemistry
MSc Pharmaceutical Chemistry
BSc (Hons) Chemistry*



**ASSISTANT PROFESSOR
DR CHEW YIK LING**
Head of Postgraduate Studies

*PhD Pharmaceutical Sciences
BSc (Hons) Biotechnology*



**ASSOCIATE PROFESSOR
DR PALANIRAJAN VIJAYARAJ KUMAR**
Head of Department, Pharmaceutical Technology

*PhD Pharmaceutical Technology
MPharm Pharmaceutics
BPharm*



**ASSISTANT PROFESSOR
DR FATOKUN OMOTAYO OLADUNTOYE**
Head of Department, Clinical Pharmacy

*PhD (Pharmaceutical Policy)
M.Pharm (Clinical Pharmacy)
B.Pharm (Hons)*



**ASSISTANT PROFESSOR
FAZLOLLAH KESHAVARZI**
Chair, Faculty Examination Committee

*M.Pharm (Clinical Pharmacy)
Pharm D*



POR CHOO SHIUAN
Chair, Compliance, Audit & Quality (CAQ)

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

Core Values



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

- Critical Thinking Skills
- Computing Essentials
- Introduction to Language and Communication
- Positive Psychology



Elective Courses (choose any 10 courses)

- Writing for Academic Purposes
- Basic Office Application
- Human Communication
- Fundamentals of Ethics
- Introduction to Business
- Introductory Accounting
- Introduction to Marketing
- Introductory Economics
- Introductory Calculus
- Introduction to Probability and Statistics
- Civic Studies
- Introduction to Hospitality and Tourism Industry
- Event Management
- Fundamentals of Culinary Arts
- Web Development
- Fundamentals of Programming
- Introduction to Logistics and Supply Chain Management
- Introduction to Law
- Fundamentals of Mathematics
- Fundamentals of Computer Graphics
- Fundamentals of Design
- Analytical Drawing
- Introduction to Structure
- Introduction to Built Environment
- Smart Learning Technology
- Media Literacy



Bachelor Degrees

- Bachelor of Pharmacy
- OR**
- Bachelor of Formulation Science

Bachelor of Pharmacy (Hons)

(R2/T27/6/0064)(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 2020 survey. (source: 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

- Trustz Pharmacy
- Guardian Pharmacy
- Alpro Pharmacy
- Big Pharmacy
- Caring pharmacy
- And 100 more sites

Industrial attachment sites

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

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)

Subject Listing

Year 1

Semester I

- General Chemistry for Pharmacy
- Introductory Physiology
- Microbiology for Pharmacy
- Basic Pharmacology and Immunopharmacology

Semester II

- Organic Chemistry
- Basic Medicinal Chemistry
- Biostatistics and Research Methods
- Nervous System and Pharmacotherapy I

Year 2

Semester I

- Cardiovascular System, Blood and Pharmacotherapy
- Physicochemical Properties of Drugs and Active Pharmaceutical Ingredients
- Biochemistry for Pharmacy
- Antimicrobial Therapy I
- Pulmonary, Renal and Pharmacotherapy

Semester II

- Antimicrobial Therapy II
- Endocrine System and Pharmacotherapy
- Extemporaneous Preparation in Pharmacy
- Gastrointestinal System and Pharmacotherapy
- Pharmacognosy
- Marketing for Pharmacy

Year 3

Semester I

- Pharmaceutical Analysis I
- Dosage Form Design I
- Basic Pharmacokinetics
- Evidence Based Medicine
- Nervous System and Pharmacotherapy II
- Introductory Clinical Pharmacy

Semester II

- Clinical Pharmacokinetics
- Non-Prescription Drugs
- Dosage Form Design II
- Biotechnology and Pharmacogenomics
- Pharmacy Law and Ethics
- Pharmaceutical Analysis II

Year 4

Semester I

- Pharmacoepidemiology
- Pharmacotherapy I
- Undergraduate Research Project
- Cancer Chemotherapy
- Hospital Pharmacy Practice
- Geriatric Pharmacy
- Advanced Drug Delivery

Semester II

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

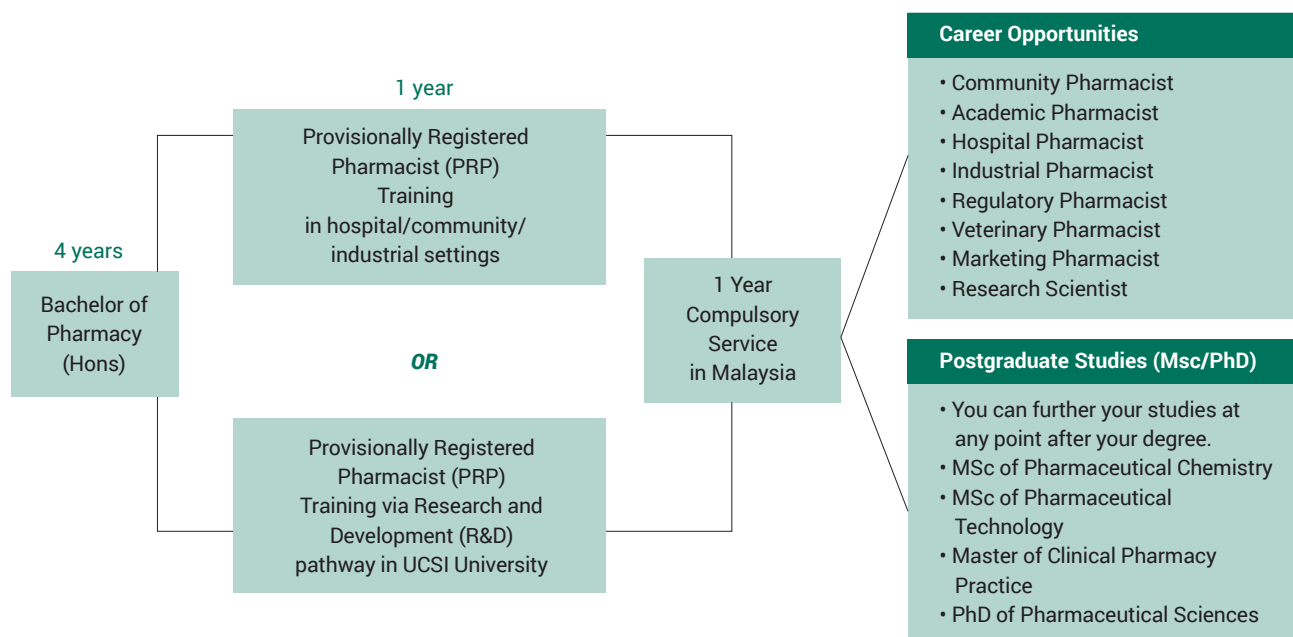
International
Degree Pathway

University of Queensland, Australia (1+3)
• Bachelor of Pharmacy (Hons)

Career
Opportunities

Community Pharmacy | Industrial Pharmacy |
Hospital and Clinical Pharmacy

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
- UCSIPharmcare



Bachelor of Formulation Science (Hons)

(N/545/6/0103) (10/2025) (MQA/PA13963)

The Bachelor of Formulation Science (Honours) programme 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
- 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

- Biostatistics and Research Methods
- Introduction to Biological Products
- Introduction to Biotechnology
- Physical and Inorganic Chemistry
- Health and Wellness Products
- Biosafety and Environmental Science
- Introduction to Pharmacology and Physiology
- Organic Chemistry
- Introduction to Analytical Chemistry
- Formulation of Cosmeceuticals
- Basic Medicinal Chemistry

Year 2

- Separation Science and Chromatography
- Biochemistry
- Advances in formulation of parenteral
- Pharmaceutical Engineering
- Biopharmaceutics and Pharmacokinetics
- Packaging Design and Technology
- Instrumental Analysis
- Physicochemical properties of API
- Formulation liquid dosage forms
- Formulation of Solid and semi-solid dosage forms
- Co-Operative Placement I
- Bioinformatics
- Recombinant Technology

Year 3

- 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
- 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
- Product Sales and Marketing

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 dedicated Pharmacy Postgraduate Lab was launched in 2011 to facilitate 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.

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."



HEE MEI QI

*Alumna, Bachelor of Pharmacy, Masters of
Clinical Practice
Academic and Researcher*

"I was the pioneer batch from the PRP training via Research and Development pathway. This pathway enabled me to obtain a master degree and complete my PRP timely. As a well-established education provider, renowned for academic excellence and continuously striving for improvement; UCSI University is an obvious choice for a world class education experience. Completing your PRP Training here has been an absolutely brilliant and stimulating experience not to be missed!"



LEE SHUO YU

*Alumna, Bachelor of Pharmacy (Hons) and
Foundation in Science*

Selected for a Research Attachment Programme 2018 at University of Chicago to conduct research on pharmacogenomics by working on Participatory Genomic Test Associated with cyp2d6 Enzyme via Invader Panel Assay and Taqman® Copy Number Variation, Translation of Genotype into Phenotype and Their Correlations with Clinically Important Drugs Therapy.



KAREN CHIOK CHAI HOON

*Pioneer of UCSI Pharmcare Project
Alumna, Bachelor of Pharmacy (Hons) and
Foundation in Science*

*Won best speaker at MyPSA Young
Entrepreneur Programme – Pitching
Competition, 2019.*



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 (AACCP).*



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

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 is awarded to the best academic achiever sponsored by our prestigious partners Medispec, Nuvanta, Xepa-Soul Patinson, NexTx, Elite Organic, Caring Pharmacy, TransLab Industry, BIG Pharmacy and Pahang Pharmacy.



Faculty Events

PHARMACY PUBLIC OUTREACH FORUM

This annual event organised by the Faculty is held as a public forum that focuses on various complex health issues to emphasise the roles of pharmacists as the guardian of safety, efficacy and quality of medicines and supplements of the nation.



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 (HONS)	BACHELOR OF FORMULATION SCIENCE (HONS)
Intakes	January, May and September	July	January and July
SPM/O-Level	Minimum 5Bs including Biology, Chemistry, Physics, and Mathematics (or Additional Mathematics)	A minimum of 5Bs in Biology, Chemistry, Physics and Mathematics (or Additional Mathematics) and other one subject at School Certificate level or equivalent <i>*for Foundation in Science, Matriculation/ Pre-Study in Medicine or Pharmacy and Diploma holders</i>	Pass SPM or equivalent with minimum three (3) credits including Mathematics, Chemistry and one any other subject. <i>* for STPM/A-level/Diploma/Matriculation/ Foundation level</i> <i>*The credit requirement at SPM level can be waived should the grades obtained at the STPM/A-level/Diploma/Matriculation/ Foundation level</i>
WAEC/NECO	A minimum B in Chemistry, Biology, Physics and Mathematics	N/A	An aggregate of 60% including in Chemistry and Biology/Physics/Mathematics
Canadian Pre-U/Canadian International Matriculation Program/MUFY/SAM	Overall average of 65%, including Chemistry (14B) / (65%), Mathematics (13B) / (60%), and Biology/Physics (13B) / (60%)	Aggregate 80% include Chemistry, Biology and Physics or Mathematics in which minimum "B" in Chemistry or equivalent	An aggregate of 60% including in Chemistry and Biology/Physics/Mathematics
Year 11, Year 12, HSC and other equivalent qualification	A minimum of 65% in Chemistry, Biology, Physics, and Mathematics	Case by case basis	N/A
STPM	N/A	A minimum CGPA of 3.0 with at least 3Bs, 2A1C, or 1A1B1C in Biology, Chemistry, Physics or Mathematics with minimum B in Chemistry	A minimum CGPA of 2.0 with Grade C in Chemistry and Biology/Physics/ Mathematics
A-Level	N/A	A minimum of 3B or 2A 1C or 1A 1B 1 C in Biology and Chemistry and Physics or Mathematics with minimum "B" in Chemistry	Minimum Grade C in Chemistry and Biology/ Physics/Mathematics
Matriculation/Pre-Study in Medicine and Pharmacy/ Foundation in Science	N/A	A minimum CGPA of 3.0 with at least a B in Chemistry that involves a minimum of a year of study	A minimum CGPA of 2.0 with Grade C in Chemistry and Biology/Physics/ Mathematics
Diploma/Advanced Diploma or equivalent	N/A	A minimum ONE year of study in Diploma in Science with a minimum CGPA of 3.75 and B in Chemistry or in Diploma in Pharmacy with a minimum CGPA of 3.5	A minimum CGPA of 2.0 with Grade C in Chemistry and Biology/Physics/ Mathematics
AUSMAT/ TEE/ SACE/ HSC YEAR 12/ NTCE YEAR 12/ WACE YEAR 12/ Western Australian Curriculum Council/ University of New South Wales Foundation/ Trinity College Foundation/ Higher School Certificate-Sydney Australia	N/A	An aggregate of 80% including Chemistry (minimum B or equivalent), Biology, and Physics or Mathematics Or TER/UAI/ENTER/ATAR 80, including Chemistry (minimum B or equivalent), Biology, and Physics or Mathematics	N/A
UEC	N/A	A minimum of B4 in Biology, Chemistry, Physics, Mathematics and Additional Mathematics or one other subject	Minimum Grade B in 5 subjects, including Chemistry, Biology/Physics/Mathematics, and any other three subjects
Degree in Science	N/A	A minimum CGPA of 2.75	A minimum CGPA of 2.0 with Grade C in Chemistry and Biology/Physics/ Mathematics
Indian Pre-University	N/A	Aggregate 70% for three subjects (Chemistry, Biology and Physics or Mathematics) with minimum "B" in Chemistry or equivalent	N/A
International Baccalaureate (IB)	N/A	A minimum of 30 points (exclusive of bonus points) for two Science or Mathematics subjects at Higher Level (HL) and another one Science subject at Standard Level (SL) with minimum 4 points for Chemistry, Biology and Physics or Mathematics	A minimum score of 26/42 in SIX subjects including Chemistry and Biology/Physics/ Mathematics
Other international qualifications deemed equivalent to STPM/A-Level by Malaysian Qualifications Agency	N/A	Aggregate 80% for three subjects (Chemistry, Biology and Physics or Mathematics) with 80% in Chemistry or equivalent	An aggregate of 60% including in Chemistry and Biology/Physics/Mathematics

English Language Requirements

	QUALIFICATIONS	BACHELOR OF PHARMACY (HONS)	BACHELOR OF FORMULATION SCIENCE (HONS)
Local Students	MUET	3	3
	IELTS	Minimum score of 5.0	Minimum score of 5.0
	TOEFL iBT	Minimum score of 42	Minimum score of 42
	SPM/O-Level/IGCSE English	C	B+
	SPM English 1119	N/A	C
	UEC English	C	A2
	SPM/O-Level/IGCSE/ UEC Bahasa Malaysia	C*	C*
International Students	MUET	3	3
	IELTS	Minimum score of 5.0	Minimum score of 5.0
	TOEFL iBT	Minimum score of 42	Minimum score of 42
	Pearson Test	Minimum score of 47	Minimum score of 47
	Cambridge English Qualification	Minimum score of 154	Minimum score of 154
	Cambridge Linguaskill	Minimum score of 154	Minimum score of 154

Local Students

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

ONLY APPLICABLE TO BACHELOR OF FORMULATION SCIENCE

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.

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 the 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.

ONLY APPLICABLE TO BACHELOR OF FORMULATION SCIENCE

Applicants who have an academic qualification from a higher learning institution which uses the English Language as a medium of instruction can be granted with exemption from the above requirements by providing a letter of alma mater registrar.

General Courses (MPU)

COMPULSORY FOR ALL STUDENTS

DEGREE PROGRAMMES		
MALAYSIAN STUDENTS	INTERNATIONAL STUDENTS	ALL STUDENTS
<ul style="list-style-type: none"> • Hubungan Etnik • TITAS 	<ul style="list-style-type: none"> • Malaysian Studies • Bahasa Melayu Komunikasi 3 	<ul style="list-style-type: none"> • U2 -Professional Skills • U3 - Religions in Malaysia • U4 - Extracurricular Learning Experience

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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