

MASTER OF SCIENCE IN PHARMACEUTICAL CHEMISTRY

(R2/0916/7/0002)(11/2025)(MQA/FA0014)



Dive into the world of drug design, synthesis and analysis with the Master of Science in Pharmaceutical Chemistry at UCSI University.

Offered in the mixed-mode structure, this allows students to pursue research on innovative topics whilst going for structured taught courses providing them with advanced industry-specific knowledge.

The taught courses aim to equip the students with the latest developments in the fields of drug design and discovery, synthesis of drugs, instrumental methods of drug analysis, regulation and safety of drugs.

The research component equips learners with knowledge in research proposal writing, extracting and analysing scientific data and conducting professional oral and written presentations. Through the required individual research project, candidates could focus on conducting scientific investigation and discovery on topic of their interest.

The programme is specially designed to equip graduates with the skills, knowledge, and experience to excel in the pharmaceutical industry, chemical industry, food industry, research & development and academia.

PROGRAM DURATION	Full time: Minimum 1 year, maximum 3 years Part time: Minimum 2 Year, maximum 5 years (Duration of study is subjected to progress of research work)
UNDERGRADUATE REQUIREMENTS	BSc in Pharmacy OR a B. Pharm (Hons) degree OR related undergraduate degree.
PROGRAMME MODE	Mixed-mode
LOCATION	Kuala Lumpur Campus
INTAKES	February and September

COURSES OFFERED

SEMESTER 1

Research Methodology
Chemistry of Drug Design and Discovery
Advanced Separation Science
Research I

SEMESTER 2

Chemical Informatics
Drug Synthesis
Advances in Spectroscopy
Research II

ENTRY REQUIREMENTS

QUALIFICATION

BSc in Pharmacy OR
a B.Pharm (Hons) degree OR related
undergraduate degree.

ACADEMIC REQUIREMENTS

Minimum CGPA of 2.75.
Five (5) years relevant working experience
is required for applicants who do not
meet the minimum CGPA.

ENGLISH LANGUAGE REQUIREMENTS

For Local and International Students:

English language competency are as follows: Cambridge Linguaskill: 154; IELTS; Band 5.0; TOEFL Essentials (Online): score 7.5; TOEFL IBT: 40; Pearson Test of English: 47; MUET: Band 3; Cambridge English Qualifications and Tests: (i) Linguaskill Online score: 154



UCSI EDUCATION SDN BHD [198901008177 (185479-U)] Kuala Lumpur • Kuching • Springhill (Seremban | PD)

UCSI University Kuala Lumpur Campus DU020(W)

No. 1, Jalan UCSI, UCSI Heights (Taman Connaught), 56000 Cheras, Kuala Lumpur, Malaysia.

T (03) 9101 8882 **W** UCSIUNIVERSITY.EDU.MY

f UCSI UNIVERSITY **@** UCSIUNI **✉** info.enq@ucsiuniversity.edu.my

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