



**HKU
Med**

LKS Faculty of Medicine
Department of Pharmacology
& Pharmacy
香港大學藥理及藥劑學系

Master of **ADVANCED PHARMACY** (MAP)



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**Pharmaceutical
Medicine**

Clinical Practice
Community Health
Generalist

Programme Aims and Objectives

The Master of Advanced Pharmacy programme aims to equip our students for essential roles in medication management and to support the evolving needs of the healthcare system and patients.

This programme offers 4 streams of postgraduate training that students can customize to their professional needs in pharmacy practice, which may be in hospital, community, the pharmaceutical industry, or innovative transdisciplinary roles.

The **Pharmaceutical Medicine stream** is designed to develop the knowledge, skills, and experiences that are essential for students to navigate and advance a career in pharmaceutical companies.

Safe and Effective Management of Medicines

Development and access to medicines start at pharmaceutical companies. There is a great need for professionals with a broad understanding of medicines, the operational aspects of the pharmaceutical industry, and the implications of the evolving healthcare system.

These pharmacy professionals bridge bench-side development of medicines to optimal clinical use in patients through their dedicated service at various roles, such as regulatory affairs, medical liaison, drug safety, and marketing.

Programme Features

Expansive Exposure for Diverse Opportunities

This programme offers wide exposure to develop well-rounded knowledge and skills in research, critical appraisal, understanding of medicines, health systems and management, and the core topics of pharmaceutical medicine. Students are prepared for emerging therapies and needs of the healthcare system.

Student-Centred Learning Experience

Each student’s career path and professional needs are unique. This programme offers flexibility to choose courses and experiences that are suited for each student’s professional aspirations and interests.

Local and International Perspectives

Students will be learning from local and international experts. The pharmaceutical medicine courses will cover frameworks in Hong Kong, Mainland China, Macao, Europe and the United States.

Practicum Experience

The practicum offers an authentic and immersive learning experience to students. Students gain hands-on experience and refine their communication, teamwork, research and project management skills.

Connections and Network

The Master of Advanced Pharmacy draws in a rich pool of students and experts working at different stages of medication management. Students will learn in joint courses with clinical pharmacists to build understanding between the disciplines and open new doors for collaboration.

Admission Requirements

To be considered for the Pharmaceutical Medicine stream, candidates must hold a Bachelor’s degree or above in pharmacy, pharmaceutical science, pharmacology, physiology, physical science, biochemistry, biotechnology, chemistry, biomedical/biological sciences, genetics, medicine, nursing or other relevant discipline. Academic performance, professional experiences and interview performance will be considered in the admission process.

Programme and Curriculum Structure

The programme consists of 69 credits of courses over a period of 2 years (part-time) or 1 year (full-time). The core requirements of the Pharmaceutical Medicine stream are described below.

Course Type	Pharmaceutical Medicine Stream Curriculum Requirements
Clinical Research	Evidence-Based Practice (3 credits)
Therapeutics	At least 12 credits
Health System and Management	Primary Care and Public Health (3 credits)
Pharmaceutical Medicine	Introduction to Pharmaceutical Industry (3 credits) + at least 18 additional credits
Capstone	Pharmaceutical Medicine Practicum (15 credits) and/or Research Project (15 credits)

In addition to student choice of courses within the structure above, students also have 15 elective credits to customize the learning experience to their professional needs and interests.

Course Selection

Course Code	Course Name	Credit
Clinical Research		
MAPH7000	Evidence-Based Practice	3
Therapeutics		
MAPH7110	Geriatric & Ambulatory Care	6
MAPH7120	Oncology	6
MAPH7130	Neurology, Psychiatry, Immunology & Rheumatology	6
MAPH7140	Gastroenterology, Hepatology & Infectious Diseases	6
MAPH7150	Nephrology, Fluids & Electrolytes, Paediatrics & Pregnancy	6
MAPH7160	Cardiometabolic Disease, Respiratory & Critical Care	9
Health System and Management		
MAPH7210	Primary Care and Public Health	3
MAPH7220	Health Informatics and Big Data	3
Pharmaceutical Medicine		
MAPH7310	Principles of Drug Actions	6
MAPH7320	Introduction to Pharmaceutical Industry	3
MAPH7330	Regulatory Affairs - Hong Kong & Beyond	6
MAPH7340	Therapeutic Antibodies	3
MAPH7350	Clinical Trials Management	6
MAPH7360	Advanced Therapy Products	3
MAPH7370	Advanced Drug Delivery and Drug Development	6
Capstone		
MAPH7530	Pharmaceutical Medicine Practicum	15
MAPH7540	Research Project	15

