



Degree Level Bachelor's Grad.Dip. Master's Higher Grad.Dip. Doctoral

Faculty of Pharmacy

TQF2 Doctor of Pharmacy Program (International Program)

New Program of Academic Year 2023

Mahidol University Degree Profile

Bachelor's Degree Program	
1. Name of the program	
Full name :	Doctor of Pharmacy Program (International Program)
Abbreviated name :	Pharm.D. Program (International Program)
2. Degree Name	
Full name :	Doctor of Pharmacy
Abbreviated name :	Pharm.D.
General information of the program	
Type of the program	Bachelor's Degree Program in Pharmacy Professional Program
Required number of credits	Not less than 223 credits
Studying duration / program round	6-year full-time study / 6 years
The program's status and opening schedule	New program having opening schedule in the first semester of academic year 2023
Degree granting	Bachelor's Degree
Degree-granting Institutions (MOU with other institutions)	Faculty of Pharmacy, Mahidol University
Organizations certifying the standard	The Pharmacy Council of Thailand
Specific information of the program	
Purpose / Goals / Objectives	The Pharm.D. Program (International Program) aims to produce pharmacy graduates with moral, ethics, and personal behavior complying with pharmacy profession ethics, knowledge and skills that fulfill pharmacy profession standard. Furthermore, this program will excel graduates in pharmaceutical care with emphasis on personalized medicine for general and special populations, social contribution, along with entrepreneurial mind, that are concordant with law and standard at national and international levels, which enhances graduates' global competitive advantage in career achievement.



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<p>Distinctive Features</p>	<ul style="list-style-type: none"> ■ The Pharm.D. Program (International Program) is open for both Thai and non-Thai students. ■ The program collaborates with MUIC to create international and multicultural environment from the first year of study. ■ The program offers wide ranges of selected excellent practice sites in Thailand and international institutions during the sixth year, which help broadening students' perspective and experience. ■ The Pharm.D. Program (International Program) is specially designed in flexi curriculum fashion allowing pharmacy graduates to strengthen their desired knowledge and skills in pharmacy that fit with their future career. ■ The program delivers innovative content and prepare our students to be ready for global trend of pharmacy practice and business, such as personalized medicine, telemedicine, artificial intelligence, geriatric pharmacotherapy.
<p>Educational system</p>	<p>Semester system</p>
<p>Graduates' advancement</p>	
<p>Obtainable jobs</p>	<p>The graduates may pursue the following careers:-</p> <ol style="list-style-type: none"> 1) Hospital pharmacist having roles in drug product selection into hospital, drug dispensing, advising patients on drug use, patient counseling for any drug-related problems, and extemporaneous compounding drug preparations for individual patient. 2) Clinical pharmacist having roles in selection of drug, dosage regimen, and monitoring of drug efficacy and safety appropriately to disease, age, sex, eliminating function of kidney and liver, and provide drug information to healthcare team and patients upon request. 3) Community pharmacist having roles in primary care involving analyzing symptoms and selecting appropriate drug, monitoring drug use in chronic diseases, and providing health promotion in community. 4) Family pharmacist having roles in taking care of patients at their own house, verifying drug use and storage, monitoring effectiveness of drug use in chronic diseases of bed-ridden patients, and referring back to hospitals if necessary, and providing health promotion in community. 5) Clinical research associate pharmacist having roles in conducting research concerning drug effectiveness,



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	<p>cost-effectiveness, drug non- adherence, or incidence of adverse drug events, etc.</p> <p>6) Academic pharmacist having roles in giving lectures, conducting research, or writing publications or textbooks to provide updated knowledge.</p> <p>7) Medical science liaison pharmacist having roles in providing knowledge on treatments, and information of new products to prescribers and related professionals.</p> <p>8) Independent work or business owner such as independent drug stores, chain drug stores, health products business, clinical research company, drug product registration company, drug/ cosmeceuticals / nutraceuticals import and/or export company, etc.</p>
Further fields of study	<p>1) Residency program in Pharmacotherapy</p> <p>2) Master and Doctor of Philosophy degree in Clinical Pharmacy or other health science</p>
Philosophy in program administration	
Educational philosophy	<p>The Pharm. D. Program (International Program) has its philosophy in producing graduates with knowledge, competencies, and skills in pharmaceutical care as well as moral, ethics, and good attitudes towards practicing in pharmacy profession at the community, country, and international levels. The curriculum is designed with the basis and focus of outcome-based education, student-centered learning, and learning-centered approach that provides excellent foundation for self-constructivism of knowledge, abilities, and skills covering theory, laboratory, and experiential practice in order to fulfill readiness for graduates in working, developing new skills, and life-long learning.</p>
Strategy / teaching guidelines	<p>Support teaching processes that are interactive with students including seminar, laboratory work and professional practice activities, individual or group work assignment, and platforms for reflections for various opinions from students, lecturers, employers, and others who concerned. Information technology that supports self and life-long learning are also provided.</p>
Strategy / student's outcome evaluation guidelines	<p>Students are evaluated according to program- and course-learning outcomes by authentic assessment, formative assessment, and summative assessment.</p>



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Competences provided to the students	
Generic Competences	<ol style="list-style-type: none">1. Competence of critical thinking and logical thinking for living and problem-solving using evidence-based information.2. Competence of life-long learning, reading, analyzing, integrating, and synthesizing for new knowledge by oneself to improve oneself and society.3. Competence of listening, speaking, reading, and writing as well as using instruments, equipments and information technology for effective searching, communicating and learning.4. Competence of good corporating with others either as leader or follower in addition to ethic, moral, and trustful performance leading to success.5. Competence of developing culture of engagement leading to sustainability of profession.
Subject-specific Competences	<ol style="list-style-type: none">1. Competence of having knowledge and understanding of theory and basic principles in Pharmacy, including:<ol style="list-style-type: none">a) Social and Pharmacy Administration including quality management system, risk management, medication management system, health system, consumer protection, law and regulations related to profession.b) Pharmaceutical Care for treatment plan including identification of disease and/or drug-related problem, drug selection, drug safety, and medication managementc) Pharmaceutical Science including pharmaceutical chemistry, manufacturing, quality control and assurance, research and development of drug products, biological products, herbal medicines, and healthcare products.2. Competence of practice with moral, ethics, and professional ethics in pharmacy profession.3. Competence of digital literacy for practicing and improving pharmacy process.4. Competence of applying knowledge and skill in pharmacy for drug formulation, manufacturing, quality control and assurance, research and development of drug products, herbal products, nutraceuticals, cosmeceuticals, biological products, and healthcare products that complys with good pharmacy practice and



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	related laws and regulations. 5. Competence of providing pharmaceutical care and playing role as drug expert, and pharmacist in multidisciplinary health care team either as leader or follower, and expanding knowledge to innovation and entrepreneurship.
Graduates' learning outcomes	
PLO1	Perform rational drug and health product selection, dispensing, and monitoring to ensure therapeutic efficacy and safety of individual that are concordant with current therapy guideline and professional standard.
PLO2	Formulate pharmaceutical products for individual patient that comply with pharmacy standard.
PLO3	Evaluate medication management system complied with national and international law and regulation.
PLO4	Conduct pharmacy research with conclusion of results according to research ethics and good research practice.
PLO5	Perform collaborative working as well-suited drug expertise within and among professionals.