

HEALTH HUB Doctorate in Pharmacy (fms)

The recently launched UM6P Health Cluster aims to develop an ecosystem that integrates academic medical education, scientific research, and health services. This initiative is implemented through the Smart Health Care City project in Benguerir.

The academic programs offered by the Faculty of Medical Sciences (FMS) of the Health Cluster include a Doctorate in Medicine, a Doctorate in Pharmacy, and a Polyvalent Nursing Degree. These programs are meticulously developed to meet the current and future needs of the healthcare sector and are aligned with advances in medical technology.

The pedagogical approach adopted emphasizes clinical simulation, reflective analysis, and evaluation of professional practice. This ensures that students are equipped with the practical and critical thinking skills essential for the evolving healthcare landscape.

The Smart Health Care City project, which includes a university hospital center, rehabilitation center, and geriatric hospital, is a significant achievement in the advancement of healthcare infrastructure and services.

Info about DOCTORATE IN PHARMACY (fms)

To meet the growing needs of pharmaceutical companies in terms of development and innovation, the UM6P - Faculty of Medical Sciences aims to train a generation of pharmacists with advanced research skills. To this end, the faculty offers a Doctorate in pharmacy to students wishing to pursue a pharmaceutical career.

We aspire to prepare pharmacy professionals ready to engage in advanced research activities, supporting the dynamic development of the pharmaceutical industry. Our commitment goes beyond the acquisition of skills, we aim to prepare graduates to make a positive impact on global health on an international scale.

Choose pharmaceutical studies at the UM6P-Faculty of Medical Sciences, where training integrates academic discipline with the practical experience of the pharmaceutical sector.

POSTGRADUATE CAREER OPPORTUNITIES after Doctorate in Pharmacy (fms)

Graduates with a Doctorate in Pharmacy will have the opportunity to work in a variety of sectors, including:

- Industrial pharmaceutical companies
- Hospital pharmacies
- Pharmaceutical dispensaries
- Pharmaceutical wholesale companies
- Clinical departments

Doctor of Pharmacy graduates can also continue their academic studies as:

- Medical biologists, hospital pharmacists, pharmaceutical industrialists
- Teachers
- Researchers
- Researchers through the doctoral path (UM6P-CEDOC)

COMPETENCIES ACQUIRED at the Doctorate in Pharmacy (fms)

Strategic:

- Evaluate positive and negative aspects of medical practice.
- Implement public health policy.
- Ensure Continuity of Care - Ensure access to quality medicines in all situations.
- Manage finances and pharmaco-economics.
- Integrate budgetary and pharmaco-economic considerations.

Technical:

- Pharmaceutical management - planning and monitoring all pharmaceutical activities.
- Design and quality control - Involvement in the design, manufacture and quality control of medicines.
- Manage and ensure the quality of pharmaceutical products and medical products.
- Pharmaceutical Care - Provide pharmaceutical care to improve the quality of life.

Relational:

- Health Promotion - helping to improve health and wellbeing.
- Personalized Care - Contributing to personalized patient care.
- Social engagement and patient interaction - playing a social role through effective patient interaction.
- Patient orientation - referring patients to other healthcare professionals.
- Information and Promotion - Providing information and promoting healthcare products.

EDUCATIONAL PROGRAMME of the Doctorate in Pharmacy (fms)

The Doctor of Pharmacy is a 6-year intensive program of theoretical courses, training, and advanced research. Students work closely with prestigious professors and have access to the highest technological facilities.

YEAR 1 of the Doctorate in Pharmacy (fms)

- Cell biology
- Physical and mathematical bases of pharmaceutical sciences part I
- General Chemistry of Pharmaceutical Sciences
- Introduction to Pharmaceutical sciences

- Statistics
- Public Health
- English language
- Physical Basics of Pharmaceutical Sciences, Part II
- Biophysics
- Organic Chemistry I
- Introduction to Human Anatomy
- Histology – Embryology
- Analytical Chemistry I
- English

YEAR 2 of Doctorate in Pharmacy (fms)

- Organic Chemistry II
- General immunology
- Structural biochemistry
- Microbiology
- Botanical introduction to pharmacognosy
- General physiology
- Data Science I
- Plant physiology
- Molecular biology
- Bioorganic Chemistry and Spectral Analysis
- Cryptogamy
- Analytical Chemistry II
- Introduction to the drug delivery system
- Data science II
- Officine internship

YEAR 3 of Doctorate in Pharmacy (fms)

- Pharmacognosy I
- Physicochemical principles applied to pharmaceutical technology
- Medical semiology
- Biochemistry, metabolism and bioenergetics
- General pharmacology
- Social medicine, public health and psychology
- Pharmaceutical Technology and Biopharmacy I
- Special pharmacology I
- Pharmacokinetics
- Pharmaceutical Chemistry I
- Toxicological Chemistry I
- Parasitology, Mycology and Virology
- General pathology

YEAR 4 of Doctorate in Pharmacy (fms)

- Hydrology & bromatology
- Surgical semiology
- Pharmaceutical Chemistry II
- Toxicological Chemistry II
- Special Pharmacology II
- Pharmacotechnics: Advanced Drug Delivery Systems
- Pharmacognosy II
- Pre instrumental biochemistry
- Pharmacotherapy and pharmaceutical care
- Pharmaceutical Technology and Biopharmacy II
- Drug analysis
- Clinical chemistry
- Fundamental Hematology

YEAR 5 of Doctorate in Pharmacy (fms)

- Technology of cosmetic forms
- Advanced Pharmacy Seminars
- Critical approach to medical and pharmaceutical information
- Infectiology, hygiene
- Therapeutic approach
- Hospital internship
- Pharmacoeconomics, pharmaceutical industry and supply chain
- Specialization workshop in pharmacy
- Non pharmacological interventions
- Clinical pharmacy workshop
- Pharmaceutical law

YEAR 6 of Doctorate in Pharmacy (fms)

- Professional internship
- Pharmacy practice course
- Industrial internship
- Internship in a medical biology analysis laboratory
- Internship in pharmaceutical and clinical hospital departments

ACADEMIC ADDED VALUE in the Doctorate in Pharmacy (fms)

This program provides several distinct advantages, including:

****Teaching in English:**** Courses are provided in English, giving you the opportunity to master the international language.

****Simulation-based learning:**** The pedagogical approach incorporates simulation sessions, allowing students to develop practical skills in a controlled environment.

****Continuous practical experience:**** Practical training is integrated across the entire program, providing hands-on experience in the pharmaceutical field.

****Research Opportunities:**** Students can participate in research projects, enriching their understanding of pharmaceutical advances.

****Access to advanced research labs:**** Benefit from privileged access to state-of-the-art research laboratories to deepen scientific knowledge.

****National and international partnerships:**** Benefit from collaborating with various partners, both nationally and internationally, helping to expand professional and academic horizons.

THE ADVANTAGES OF THE CAMPUS of the Doctorate in Pharmacy (fms)

Set in over than 60 hectares of landscaped grounds, the campus offers you modern, fully equipped facilities, adapted to your teaching and research needs.

Our students benefit from a living environment that is conducive to learning, community life and personal development: secure residences, a 3-hectare sports complex, a library with over 15,000 references, catering facilities and places to relax and socialize.

The health of our students and staff is of the prime importance, and a health center is also available to meet your needs.

Finally, students' associative projects, whether they involve entrepreneurship, civic engagement, cultural activities..., are encouraged and supported by the University.

In this way, your career is enriched on both a professional and personal level.

ADMISSION and application REQUIREMENTS for Doctorate in Pharmacy (fms)

Registration is open to candidates who hold a baccalaureate in the following fields: Mathematical Sciences, Life and Earth Sciences and Physical and Chemical Sciences or equivalent in accordance with the provisions of the regulatory texts in force, satisfying the admission criteria, within the limits of the available seats.

APPLICATION REQUIREMENTS:

- Two ID photographs
- School grades
- Copies of diplomas or certificates
- Photocopy of the C.N.I.E / Passport

Original documents and/or certified copies will be required at the time of final registration.

#Duration of the of the Doctorate in Pharmacy (fms): 6 years (Full Time)

#Seats available in the the Doctorate in Pharmacy (fms): 80

#Location of the Doctorate in Pharmacy (fms): University Mohammed VI Polytechnic Campus Benguerir

#Language of Instruction of the Doctorate in Pharmacy (fms): English

#How to join Doctorate in Pharmacy (fms)

We invite you to register online through the link um6p.ma/admissions by filling in the requested information or contact us at the following address.

admission@um6p.ma

Upon successful submission of your application, you will be invited to a written test according to the following schedule:

- May 31st: Deadline for applications
- After Bac results: admission test

EXAMINATION OF ACADEMIC FILE :

- Study of academic file
- Written test

SCHOLARSHIP for the Doctorate in Pharmacy (fms)

As part of its commitment to corporate citizenship, UM6P supports students through an attractive system of study and living grants. Contact us to find out more.

STUDIES FEES of the Doctorate in Pharmacy (fms)

- Registration fee: 5,000 Dhs
- Studies fees: 130,000 Dhs /year

#contact of the Doctorate in Pharmacy (fms)

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