

كلية الصيدلة
College of Pharmacy
QATAR UNIVERSITY جامعة قطر
Member of **HEALTH** الصحة عضو في

A Promising Future Awaits You in Pharmacy

**Accredited by the Canadian Council for
Accreditation of Pharmacy Programs (CCAPP)**



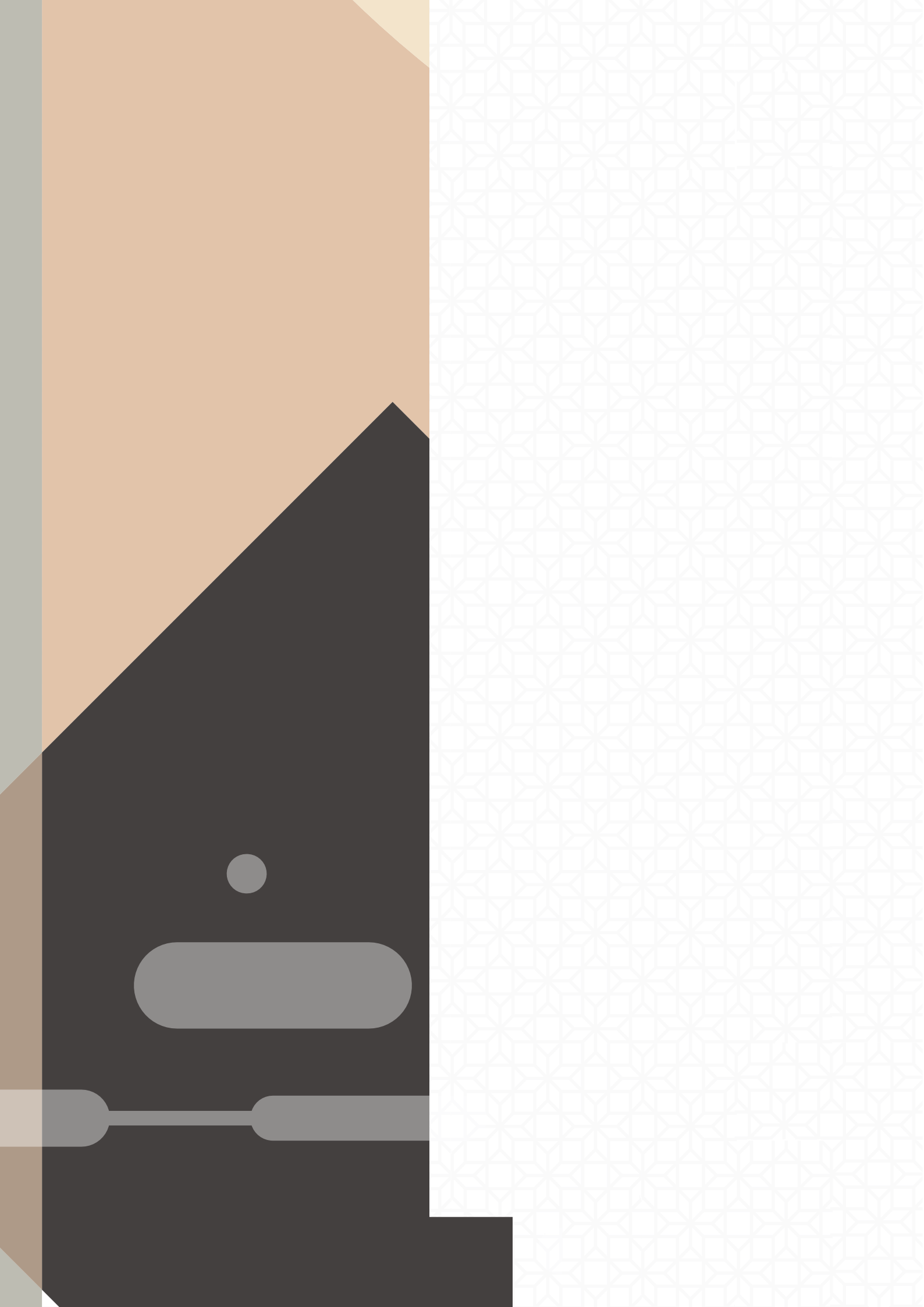


TABLE OF CONTENTS

Qatar University	P3
The College of Pharmacy	P4
Mission and Vision of the College	P5
Goals of the College	P6
A Career in Pharmacy	P8
Canadian Academic Accreditation	P9
Scholarships and Assistantships	P10
Bachelor of Science (Pharmacy) Degree	P11
Undergraduate Curriculum	P12
Master of Science in Pharmacy [MSc (Pharm)]	P14
Doctor of Pharmacy Degree (PharmD)	P16
Doctor of Philosophy (PhD) in Pharmaceutical Sciences	P18
Teaching and Learning	P20
Technology in Classroom	P21
Faculty and Staff	P22
Research at the College of Pharmacy	P23
Interprofessional Education	P24
Continuing Professional Education	P25
Community Outreach and Public Engagement	P26
Student Associations	P27
The White Coat Ceremony	P32
College of Pharmacy Partners	P33
Academic Advising Office	P34



QATAR UNIVERSITY

Founded in 1977, Qatar University is the country's major institution of higher education. Today, Qatar University comprises ten colleges: Arts and Sciences; Business and Economics; Education; Engineering; Dental medicine, Health Sciences; Law; Medicine; Pharmacy; and Sharia and Islamic Studies. Over the years, the University has continually expanded its wide range of new programs – the largest selection in the country – while fastidiously seeking the highest international accreditations, and ensuring they are aligned with the growing needs of the labor market and the aspirations of the society it serves. It currently boasts a population of over 20,000 students, and an alumni body of over 45,000.

The vision of Qatar University is to be regionally recognized for distinctive excellence in education and research, an institution of choice for students and scholars and a catalyst for the sustainable socio-economic development of Qatar.

The mission of Qatar University is to provide high quality undergraduate and graduate programs that prepare competent graduates, destined to shape the future of Qatar. The university community has diverse and committed faculty who teach and conduct research, which addresses relevant local and regional challenges, advances knowledge, and contributes actively to the needs and aspirations of society.

Qatar University is an intellectual and scholarly community characterized by open discussion, the free exchange of ideas, respectful debate, and a commitment to rigorous inquiry. All members of the University –faculty, staff, and students– are expected to advance the scholarly and social values embodied by the University.

Qatar University is one of the leading institutions of academic and research excellence in the GCC region. The organization's strong relationship with the Qatari society is reflected in its community service efforts and in its vibrant research portfolio that addresses relevant local and regional challenges, advances national goals towards a knowledge-based economy, and contributes actively to the needs and aspirations of the society.

For additional information, please visit the University's website at www.qu.edu.qa

THE COLLEGE OF PHARMACY

The College of Pharmacy (CPH) offers the first and only pharmacy degree program in Qatar. The College was established in 2007 and has been awarded provisional (2009–2011) and then full academic accreditation from the Canadian Council for Accreditation of Pharmacy Programs (CCAPP) for its Bachelor of Science program in Pharmacy in December 2011 (renewed until 2023). The College gained full CCAPP accreditation for its Doctor of Pharmacy program in 2014 (renewed until 2023).

The College offers the following academic degrees: Bachelor of Science in Pharmacy (BSc), Master of Science in Pharmacy (MSc), Doctor of Pharmacy (PharmD), and Doctorate in Pharmaceutical Sciences (PhD). These programs have been designed to provide the necessary knowledge and skills for a successful career in pharmacy.

The CPH research mission is to create and disseminate knowledge related to drug entities, products, therapy and medication use for the purpose of advancing health outcomes and quality of life. Researchers at the College are committed to following fundamental principles that have been promulgated by the Council of Canadian Academies (CCA).

For additional information, please visit the College's website at <http://www.qu.edu.qa/pharmacy/>

MISSION OF THE COLLEGE

The College of Pharmacy is committed to prepare our students to provide optimal pharmaceutical care and advance health care outcomes, to promote research and scholarly activity, and to serve as a pharmacy resource for Qatar, the Middle East and the world.

VISION OF THE COLLEGE

Advancing health care in Qatar and the world through excellence and innovation in pharmacy education, research and service.

CORE VALUES OF THE COLLEGE

Professionalism, Respect, Commitment, Impact, Innovation, Partnership.





GOALS OF THE COLLEGE



The specific goals of the College are to:

- Foster integration of knowledge and skills, and to develop the student's professional abilities through systematic ability-based BSc, PharmD MSc and PhD curricula that incorporate biomedical science, pharmaceutical sciences, behavioral, social, and administrative pharmacy, pharmacy practice and clinical pharmacy
- Integrate knowledge with practical experience in order to develop the student's professional skills and competencies
- Contribute to the professional education of practitioners
- Advance pharmaceutical and health outcomes through internally and externally funded independent and collaborative research, and to disseminate the results of these efforts at local, regional and international conferences and in peer-reviewed journals
- Provide an intellectual and academic atmosphere that is conducive to the recruitment and development of qualified faculty

A Career in PHARMACY



The demand for clinical pharmacists is high in Qatar, due to the rapid growth of the health care and pharmaceutical industries in the country. The services are also increasing as pharmacists become more actively involved in drug therapy decision-making for patients of all ages.

Pharmacists are medication experts. They function as clinical practitioners in hospitals or community settings, as educators and researchers, and as consultants in many other health care settings. Pharmacy practice focuses on the rational use of medication. Historically professional functions were limited to drug dispensing and counseling; however, the profession has now dramatically evolved to include a broader scope of functions and responsibilities in response to the increasing complexity of pharmacotherapy. Pharmacists can also work in developing safe and effective medications and be involved in quality control of newly introduced medications to the market through working in drug companies either in research and development, toxicological safety assessment or production sites.



Canadian Academic ACCREDITATION

After gaining provisional accreditation (2009 – 2011) for its BSc (Pharm) program, the College of Pharmacy has been awarded full academic accreditation from the Canadian Council for Accreditation of Pharmacy Programs (CCAPP) (Canada) in December 2011 (currently renewed until 2023). This accreditation came on the sidelines of the first pharmacy graduating class.

The College of Pharmacy at Qatar University was the first international program to be awarded full accreditation status by CCAPP (Canada). CCAPP is the sole accrediting agency in Canada for pharmacy programs.

In January 2014, less than three years after the commencement of the PharmD Program, CCAPP awarded the college full accreditation status to the Doctor of Pharmacy Program at the College of Pharmacy. Accreditation of the program was renewed in July 2018 for a further 5 years until 2023.

Scholarships, Sponsorships AND ASSISTANTSHIPS

Qatar University provides a large number of academic and financial need-based scholarships each academic year. These scholarships are available to both undergraduate and graduate students.

For more information about the undergraduate student scholarships including criteria and application procedures, visit the Qatar University Academic Scholarships Office website at: <http://www.qu.edu.qa/students/admission/scholarships>

Hamad Medical Corporation (HMC) also offers sponsorship to pharmacy students throughout their undergraduate and graduate programs.

Since Spring 2012, Qatar University is offering Graduate Assistantship (GA) awards on a competitive basis to selected newly admitted graduate students applying from inside and outside of Qatar. Applicants who satisfy admission requirements and eligibility for assistantship will be considered for the award. Graduate assistants are full time postgraduate students registered towards the fulfillment of a graduate degree requirement at Qatar University.

For more information, visit the website of Office of Graduate Studies: http://www.qu.edu.qa/research/offices/graduate-studies/prospective_students/graduate-assistants

Full scholarships from pre-pharmacy until the completion of the BSc program or any postgraduate degree in pharmacy are also available to Qatari students through the Ministry of Administrative Development, Labour and Social Affairs. For more information on scholarships and how to apply, please visit: <https://www.adlsa.gov.qa/AR/Scholarship>



BACHELOR of Science (Pharmacy)

The BSc (Pharm) degree program involves a 5-year ("1+4") curriculum following the foundation program. Students are expected to complete a minimum of 32 credit hours of pre-pharmacy courses including English, calculus, biology, general, organic and physical chemistry, physics, and general education courses required by the University.

Admission to BSc (Pharm) is based upon academic and non-academic criteria including a competitive GPA, IELTS or TOEFL and PCAT scores, pharmacy volunteering experience, references and a structured personal interview.

For additional information regarding the application and admission requirements, please visit the college's website at: www.qu.edu.qa/pharmacy or contact students-CPH@qu.edu.qa

Undergraduate CURRICULUM

The BSc (Pharm) Program comprises 173 credit hours of courses in classroom, laboratory and practical settings.

Courses include:

- Biochemistry
- Biostatistics
- Drugs in Sport
- Health Care and Delivery Systems
- Human Structure Function
- Integrated Case-Based Learning
- Interpretation of Clinical Lab Data
- Medicinal Chemistry
- Microbiology
- Pathology
- Pathophysiology
- Patient Assessment Skills
- Pediatrics and Geriatrics
- Pharmaceutics and Biopharmaceutics
- Pharmacoepidemiology and Pharmacoeconomics
- Pharmacognosy and Alternative/Complementary Therapy
- Pharmacokinetics
- Pharmacology
- Pharmacotherapeutics
- Pharmacy and Health Care
- Pharmacy Ethics and Law
- Pharmacy Management
- Pharmacy Research, Evaluation and Presentation Skills
- Physiology
- Professional Skills

Students also spend approximately 24 weeks in structured practical experiential training in pharmacy (SPEP). The locations of the rotations include for example Hamad Medical Corporation hospitals, Primary Health Care Clinics, Qatar Petroleum, Ebn Sina Medical, Well Care Group, Kulud pharmacies, International Medical Company and Aspetar under the mentorship of qualified pharmacy practitioners.



Master of Science IN PHARMACY MSc (Pharm)

The college offers a Master of Science in Pharmacy [MSc (Pharm)] degree program.

The program was approved by Qatar University Board of Regents in May 2010. The MSc (Pharm) degree curriculum is structured over two years with a minimum of 33 credit hours of taught courses and research work post-baccalaureate. This is a thesis-based research-oriented graduate program designed to build on the undergraduate degree experience and further enhance critical thinking and research skills. The MSc (Pharm) degree program also prepares students who wish to pursue a future Doctor of Philosophy (PhD) degree.

The specific program objectives are to:

1. Provide an opportunity for students to advance their knowledge, skills and attitudes in specific areas of interest within pharmaceutical sciences.
2. Prepare students for research, teaching and specialty positions requiring personnel with a strong background in these specialty areas.
3. Equip students with the needed research skills to carry out basic and applied studies.

Graduate students enrolled in the program can specialize in one of the many research focus areas represented at the College:

- Clinical Pharmacy
- Health Outcome Research
- Medicinal Chemistry
- Pharmaceutics
- Pharmacoeconomics
- Pharmacognosy
- Pharmacokinetics
- Pharmacology
- Pharmacy Practice
- Social and Administrative Pharmacy
- Toxicology

The application process is coordinated by University admissions and is made on an annual basis. The admission process is competitive and the number of available seats is limited. All applicants are required to provide official academic transcripts, proficiency in English, reference forms, curriculum vitae, residency and related documentation. Provisional decisions are made as applications are received and reviewed by the admissions committee, so applicants are encouraged to apply early.

For additional information, please visit the college's website at: <http://www.qu.edu.qa/pharmacy/departments/programs/master> or contact: mscpharm@qu.edu.qa



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Doctor of Pharmacy (PharmD) Degree

The College offers a Doctor of Pharmacy (PharmD) degree program that was launched in September 2011. The PharmD program is designed to prepare promising BSc (Pharm) graduates for a fulfilling career in advanced clinical pharmacy practice, research and academia.



The PharmD program is designed to meet international standards for an advanced degree in the field of health sciences. It involves post-baccalaureate study designed to build on the knowledge, skills, attitudes and values developed during the undergraduate degree experience. The program aims to educate pharmacy practitioners to become highly proficient in the delivery and evaluation of pharmaceutical care, and to further advance the practice of pharmacy.

The PharmD program study plan is offered as a full-time study plan available for Qatar University students who have completed the 173-credit hour BSc (Pharm) degree program and have been selected to complete an additional 36 credit hours of full-time course requirements (209 credit hours in total) over a 12-month period.

The application process is coordinated by University admissions and is made on an annual basis. Admission is competitive and seats are limited. All applicants will be required to provide official academic transcripts, proficiency in English test scores, Qatar Council for Healthcare Practitioners (QCHP) Pharmacist Licensure test scores, reference forms, curriculum vitae, Qatar residency and related documentation. A written/verbal competency assessment examination will be conducted. Select applicants will be invited for structured interviews.

Doctor of Philosophy (PhD) IN PHARMACEUTICAL SCIENCES

The PhD in Pharmaceutical Sciences program is part of the joint collaborative PhD program in health that was approved by Qatar University Board of Regents in January 2018. The program provides students with a foundation of biomedical, clinical and pharmacy related interdisciplinary training, followed by intensive training in advanced aspects of Pharmaceutical Sciences, research philosophy and techniques. The program has an intense research focus and the duration of the curriculum is four years (after an MSc degree) with a total of 60 credit hours. The program admits students on a full-time basis.



The PhD curriculum incorporates formal lectures, group projects, research presentations, journal clubs and writing review articles, to develop the student's ability for critical thinking, intensive scientific writing, and problem-solving skills through research. The educational and research outcomes gained by the students throughout this program will be of high international standards given the high-quality mentoring opportunities and state-of-the-art research facilities offered by the College of Pharmacy. The program has established links with several educational and medical institutions both inside Qatar and abroad.

The main objective of the PhD in the Pharmaceutical Sciences program is to train and prepare its future graduates to design and implement high-quality original research in their fields of specialization both at the levels of applied science and basic research. Areas of specialization offered include, but not limited to, drug targeting and delivery systems, medicinal chemistry, drug formulation and pharmaceuticals, pharmacokinetics, pharmacology, pharmacogenomics, molecular pathology, molecular and cellular toxicology and natural products analysis and chemistry. The application process is coordinated by University admissions and is made on an annual basis. The admission process is competitive, and the number of available seats is limited. Applicants are required to provide official academic transcripts, evidence for proficiency in English, 3 letters of recommendation, curriculum vitae, demonstrate aptitude for research and a statement of interest. Successful candidates should pass a personal interview with the admissions committee. For additional information, please visit the college website at: <http://www.qu.edu.qa/pharmacy/departments/programs/phd-in-pharmaceutical-sciences/admission> or contact us at: phd_pharmacy@qu.edu.qa



The College of Pharmacy provides an optimal teaching and learning environment to enhance student learning experience and facilitates their understanding and mastery of both pharmaceutical and clinically-based course content. The college programs align with international best practices and evidence-based course content is taught using a student-centered approach designed to stimulate critical thinking.

TEACHING and Learning





TECHNOLOGY in Classroom

All pharmacy courses are delivered using Blackboard Course Management Software. Video lecture capture software is adopted to ensure the students' access to all previous courses and lectures at their convenience. E-books and electronic databases are employed whenever possible to facilitate easy off-campus and on-campus access by all students and faculty members. Downloadable and streaming audio and video files are also used. Students are expected to access these resources on a daily basis and to become skilled in pharmacy informatics prior to graduation.

FACULTY and Staff

The program is delivered by a multidisciplinary team of full-time faculty members who have received degrees from prestigious and reputable international institutions. Faculty members are responsible for maintaining a balanced portfolio of teaching, research and academic service. Most faculty have experience as practitioners, and their ongoing collaboration with professional partners ensures relevance of the curriculum.





RESEARCH AT THE College of Pharmacy

The research mission of our college is to create and disseminate knowledge related to drug entities, products, therapy and medication use for the purpose of advancing health outcomes and quality of life. Researchers at the College of Pharmacy are committed to the fundamental principles that have been promulgated by the Council of Canadian Academies.

Faculty members are actively engaged in a variety of independent and collaborative research projects (many with world leading Universities and research institutes) aimed at the improvement of health outcomes. The project topics include: innovative pharmaceutical dosage forms, understanding the cellular mechanisms underpinning cancer and diabetes, understanding the antioxidant properties of natural products, discovering novel therapeutic targets and innovative disease prevention approaches and improving medication use.

In the past years, faculty members have been very successful in attracting both national and University competitive research grants and the recognition of their diverse research expertise is well established and fast growing.

The College of Pharmacy is one the most active colleges at the University in research as shown by its high number of quality original publications per capita, with a large number co-authored by undergraduate and graduate students.

For a list of the peer-reviewed publications, presentations and abstracts published by the College faculty, please refer to the college research page through:
<http://www.qu.edu.qa/pharmacy/research-and-graduate-studies/faculty-bios>

Interprofessional Education

Interprofessional Education (IPE) is integrated into our curriculum and throughout the academic years we hold multiple IPE activities for all professional years of pharmacy. These activities align with the definition of interprofessional education as stated by the Centre for the Advancement of Interprofessional Education, “Interprofessional education occurs when two or more professions learn with, from and about each other to improve collaboration and the quality of care” (CAIPE 2002).

The College of Pharmacy students receive the opportunity to collaborate with other health care students within Qatar including the Colleges of Medicine and Health Sciences at Qatar University, University of Calgary in Qatar (UCQ), College of the North Atlantic - Qatar (CNA-Q) and Weill Cornell Medicine - Qatar (WCM-Q). The shared competencies targeted in these events are:

- 1) Interprofessional Communication: Health care students/professionals communicate in a collaborative, responsible and culturally sensitive manner
- 2) Role Clarification: Health care students/professionals understand and respect the role and responsibility of all stakeholders
- 3) Shared Decision Making: Health care students/professionals include all stakeholders in the decision-making process regarding patient health care outcomes
- 4) Patient and Family Centered care: Health care students/professionals seek out, integrate and value the input, and the engagement of the patient and family as part of the health care team

IPE is coordinated through the QU Health Interprofessional Education Committee (IPEC) which aims to provide guidance and support in designing, implementing and evaluating IPE initiatives at QU Health and other health care programs in Qatar. IPEC is also dedicated to facilitating awareness and understanding of interprofessional education for interprofessional collaboration for students and faculty members.





"Cooperantur in salute"





Continuing Professional Education

The College of Pharmacy currently provides a wide range of continuing professional development (CPD) activities for pharmacists and other health care practitioners under the umbrella of the Continuing Professional Development Unit of the Health Cluster at Qatar University [CPD-HP (QU-Health)]. This program achieves its goal by providing educational programs that will improve and expand professional competencies for researchers, scientists and other health care professionals.

Historically, the CPD program at the College of Pharmacy started in 2009. The program reflects the commitment of the College to the continuing professional development of pharmacists and all health care practitioners in Qatar. Since its inception, the program has expanded and attracted increasing numbers of health care professionals from diverse disciplines. Furthermore, it was the first CPD program in Qatar to be accredited by both the Qatar Council for Healthcare Practitioners (QCHP, Ministry of Public Health, Qatar) and the Accreditation Council for Pharmacy Education (ACPE, USA).

Typically, workshop activities are provided in interactive environments using well-developed case studies and group discussions in line with the guidelines and professional standards for CPD of the Ministry of Public Health.



Community Outreach and Public Engagement

Pharmacy students and faculty are active in promoting optimal health, raising awareness of diseases prevalent in Qatar and promoting the role of pharmacists through numerous events held during each academic year.

Community engagement is an important component of student's education to allow them to put into practice the knowledge and skills they have learned in the classroom with direct interaction with members of the community in Qatar. Previous campaigns include Talk to your Pharmacist, Use Your Medication Wisely, Breast Cancer Awareness, Smoking Cessation, Diabetes Awareness, Allergy and Common Cold Awareness, Your Medications in Ramadan, Blood Donation, and Pain Control each contributing towards the achievement of the program goals.

Student Associations



Qatar Pharmacy Undergraduate Society (QPhUS)



This society is open to all Qatar University BSc (Pharmacy) students and was established in 2008. The society has a constitution, holds general assemblies, annual elections and participates in numerous activities related to health care.

The society members communicate through various means including Blackboard and social media where they can interact with each other, pharmacy students and faculty members. One major annual activity of the society is the “Little Sister-Big Sister Mentoring Program” where first year students are randomly chosen to twin with senior, second and third year students for mentoring, advice and orientation.

Qatar, through the Qatar Pharmacy Undergraduate Society (QPhus) and College of Pharmacy, has been an active member of the International Pharmacy Student Federation (IPSF) since 2008 at both the regional and international levels. This large international organization comprises over 350,000 pharmacy students from 70 countries. Every year, the College supports student delegates to attend the IPSF annual conference with over 500 pharmacy other students from around the world for an 11-day educational, scientific and cultural symposia. The students also participate in a number of educational activities such as lectures, student skills competitions, regional assemblies and student-led workshops, as well as cultural trips.

Interprofessional Education Student Society (IPE-SS)

The association is a group of health care students from different universities: University of Calgary in Qatar (UCQ), College of the North Atlantic - Qatar (CNA-Q), Weill Cornell Medicine - Qatar (WCM-Q) and Qatar University who seek to promote inter-professional education and practice among students. This is an undergraduate student lead society, the first ever in Qatar, created to facilitate the interactions between the different health care professions. Further information about the society can be viewed in the following link:

<http://ipestudent-qatar.weebly.com/>

<https://www.facebook.com/IPE-Students-Association-Qatar-717090188403992/>



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Pharmacy Postgraduate Society (PPS)

The society was formed to represent the views of its members and to enrich the lives of postgraduate students and advance their interests academically, culturally, educationally, and socially. Further information about the society can be viewed in the following link: <https://www.facebook.com/QatarUniversity1/>



Pharmacy Postgraduate Society
Qatar University

QU Alumni Association Pharmacy Chapter

The College of Pharmacy alumni chapter (CPHAC) is a member of the Qatar University Alumni Association. This chapter represents the interface connecting BSc, MSc and PharmD graduates together and with the CPH. It represents the CPH graduates locally in Qatar as well as internationally. This association motivates CPH graduates to promote and support the College of Pharmacy as well as Qatar University students through different occasions alongside the available student society. It also aims to promote health awareness in the community and contributes to the advancement of the pharmacy profession in Qatar, through the coordination of various community service projects and academic endeavors. Further information about the society can be viewed in the following link: <https://www.facebook.com/Qatar-University-CPH-Alumni-Chapter-608238192558512/>



فرع كلية الصيدلة

College of Pharmacy Chapter

رابطة خريجي جامعة قطر | QU ALUMNI ASSOCIATION



The White COAT CEREMONY

The College of Pharmacy holds an annual White Coat inauguration ceremony for all incoming pharmacy students.

The symbolic event includes the taking of the 'oath of pharmacist' by all new pharmacy students and donning the pharmacist's white coat. Attendees include educational partners, research partners and training affiliate partners as well as CPH students and their families, CPH faculty, alumni, staff and well-wishers.

College of Pharmacy Partners

The College of Pharmacy has established strong links with stakeholders and professional partners in Qatar and internationally.



ACADEMIC

Advising Office

The goal of this office is to ensure the academic success of all students by assisting them with educational planning and decision-making in line with their personal interests, values and goals.

What does the office offer?

- Provide quality academic advising.
- Help students develop their skills to succeed as students and as individuals.
- Assist in the resolution of student academic issues.
- Provide support to advisees and at-risk students.

Academic advising is the key link to Qatar University resources:

- Learning Support Centre
- Student Counselling
- Financial Aid & Scholarship
- Library Services
- Student Activities
- Career Services

