“Explore your future at UOS”
Welcome to the University of Sharjah

Welcome to The University of Sharjah (UOS), a University that provides first class education to students from the UAE, Arab countries, and students from around the globe.

The University of Sharjah offers academic programs in a broad range of disciplines that truly define it as a world-class university. Programs cover an impressive range of fields and scope including the arts, humanities and social sciences, Islamic studies and Sharia law, international and civil law, communications and the media, the sciences, business, engineering and architecture, fine arts and design, medicine, pharmacy, dental medicine, health sciences and community college programs.

Studying at the University of Sharjah, a prominent and comprehensive university, offers many advantages. You will be exposed to numerous course and program options that will allow you to combine disciplines so that you may participate actively in addressing both today’s challenges and those of the future. You will also enjoy the flexibility of choosing from a wide range of options the program that best matches your talents, aptitude and interests. Lastly, at the University of Sharjah, you will experience a wonderful journey of self-discovery and learning that will bring your best abilities to the forefront.

Contents

1 The College of Pharmacy
2 Pharmacy
3 Future Opportunities
4 Admission Requirements
The College of Pharmacy

The College of Pharmacy aims to graduate highly competent pharmacists who can make a positive change in the community through proper pharmaceutical practices and improving healthcare services. Our education is provided according to international standards, while maintaining the traditions and identity of the UAE society.

The College of Pharmacy was established in 2004 and since then has witnessed and continues to cross important milestones in its academic and infrastructural development. We provide specialty laboratories tailored to hands-on training for pharmacy students, in addition to computer-simulation based learning. Future plans include a state-of-the-art research building, well-equipped research and media laboratories, and a hospital for clinical training.

VISION
The vision of the College of Pharmacy is to achieve excellence in pharmaceutical education, research and services to the society and profession and to be recognized in the region for offering a comprehensive pharmacy program of the highest quality that prepares students to meet the health challenges of today and tomorrow.

MISSION
The College of Pharmacy is committed to: providing its students with pharmacy education and learning of the highest quality; promoting the personal, social, academic and career growth of pharmacy students to prepare them for leadership roles in the pharmaceutical care system in Sharjah and the UAE; contributing to the enhancement of human health through engagement in discovery; and the development of new drugs and drug delivery systems.
GOALS
- Provide a creative program for pharmacy students that prepares them with the attitudes, knowledge and skills to ensure their competency and recognition in the pharmacy profession.
- Equip pharmacy students with professional skills to optimize their interaction with healthcare providers, patients and the society.
- Prepare pharmacy students to be capable of understanding the most advanced technologies and research discoveries.
- Contribute to the progress of the pharmacy profession through effective engagement and collaboration with other institutions, organizations and authorities in the public and private pharmacy sectors.

PROGRAM OUTCOMES
The pharmacy program curriculum is structured to result in a set of clear and concise competency-based outcomes based on high international standards. These outcomes define what graduates of the program are able to do as a result of acquired knowledge, skills, and attitudes during their educational program.

Competency outcomes are structured around the following six domains:
- Knowledge
- Ethics and professionalism
- Interpersonal and communication skills
- Evidence-based practice and lifelong learning
- Effective, safe and economic pharmaceutical care
- Principles of multidisciplinary research knowledge

DEPARTMENTS:
The College of Pharmacy consists of three cluster departments, which in addition to their academic roles, provide extensive services to healthcare organizations, institutions, government agencies and the industry.

Department of Pharmacy Practice and Pharmacotherapeutics
- The department combines two integrative units; the pharmacology & the pharmacy practice.
- The Department’s mission is to enhance the international stature of the College and of the UOS by combining high quality teaching with internationally recognized research.
- The department supports the College of Pharmacy’s vision by providing an education to students that enables them to acquire in-depth expertise in the pharmaceutical, social/ economic management, and related sciences. Our students are provided with a deep knowledge and understanding of optimum drug use, drug abuse, adverse drug reactions, drug-drug interactions and the concept of personalized medicine.
- Modern teaching methodologies like problem-based learning (PBL) and team-based learning (TBL) are used within the department.

Department of Pharmaceutics & Pharmaceutical Technology
Today medicines are becoming more complex as advances are made in protein therapy, genomics and drug delivery systems therefore the mission of our department is to provide modern undergraduate pharmacy education by combining science, technology, professional training and personal growth and development.

We prepare students to have the academic knowledge, practical experience, and professional values of a pharmacist. The department faculty members model the values, ethics, and attitudes of the pharmacy profession for their students and are committed to helping each student meet his or her career objectives in the pharmaceutical sciences.

Department of Medicinal Chemistry
The overarching mission of the medicinal chemistry department is to create new knowledge for the discovery and design of new pharmaceutical drugs. Our graduate students receive a diverse educational experience at the interface between chemistry and biology that prepares them for the evolving multidisciplinary research of the drug design and discovery arena.
The department offers many organic chemistry courses and many medicinal chemistry courses related to qualitative and QSAR, drug design, discovery and development. Furthermore, the department offers many courses in regard to many disease states e.g. CNS, endocrine, infectious, cancer...etc diseases.
Bachelor in Pharmacy

The Bachelor of Pharmacy program consists of a five-year program of study. The program equips students with the basic science knowledge needed to understand applications of drug therapy and management of diseases in the practical world. Graduates also become versed in the skills needed to practice their profession according to the laws and regulations of the country in an ethical manner and in the best interest of the patient.

UNPARALLELED RESOURCES
Laboratory facilities
Laboratory facilities in the College of Pharmacy are equipped with high quality state-of-the art equipment necessary for experimental work in teaching, learning and research. All laboratories are supervised by highly qualified and well-trained lab assistants and technicians. In addition to actual experimental practicals, instructors utilize a number of software simulators for pharmacy labs.

The Model Pharmacy
A model pharmacy resembling a real community pharmacy is available in building M23 and is used to train students in the principles of medication dispensing, communication skills and patient counseling. The model pharmacy room is equipped with multimedia systems including computers, video cameras and sound capabilities. Students act out scenarios where
they encounter sick patients with special needs, pharmacists taking care of patients and physicians communicating with pharmacists. The scenarios get taped and then played back to class so that students may analyze their own behavioral interactions and determine ways to improve communication in such scenarios. In essence, this room is a student’s window to the real world while studying pharmacy.

PROGRAM OF STUDY
Competency outcomes acquired in the various courses will help students attain basic knowledge in the pharmaceutical and clinical sciences and enable them to integrate this knowledge with the practical skills needed to offer pharmaceutical care for patients. Graduates will acquire analytical thinking processes that help them communicate within multidisciplinary teams and in making evidence-based decisions about the safe, effective and economic utilization of medications in the management and prevention of disease. As students progress through these courses, they make a transition from dependent to active self-directed learners who behave professionally according to the ethical principles governing pharmaceutical practice in their care of patients and in dealing with other professionals. Students are also introduced to different research methods used in conducting research projects, along with drug information resources available in conducting research projects and in providing patient care.

PROGRAM OUTCOMES
Upon completion of the five-year Bachelor’s Degree Program in Pharmacy, students will have acquired a broad base of pharmacy knowledge, values and skills. Our College offers challenging, interesting and intellectually stimulating study programs that serve to develop a student’s ability to apply their knowledge and understanding in the practice of pharmacy. Additionally, students will be trained under appropriate modern methods of teaching and learning and acquire the ability to solve pharmacy problems in order to provide quality pharmaceutical care.
Students in our program:
- Acquire a broad base of pharmacy knowledge, understanding and skills.
- Find their program of study demanding, interesting and intellectually stimulating.
- Develop the ability to apply knowledge and understanding in the pharmacy practice.
- Experience appropriate modern methods of teaching, learning and assessment.
- Gain the ability to solve pharmacy problems and are able to perform competent pharmacy services.
- Develop a range of transferable skills, including knowledge of information technology, independent learning, verbal and written communication, time management, and presentation and teamwork skills.
- Gain an appreciation of the needs of the pharmacy industry and an awareness of recent developments in pharmacy, facilitated by staff involvement in research and consultancy and the involvement of professionals in the teaching programs.
- Develop an appreciation and understanding of the ethical and social issues related to pharmacy.

AFTER GRADUATION
Graduates from the College of Pharmacy are qualified to directly improve the quality of people’s lives and make a difference in society. They are committed to the challenge of lifelong learning that will lead to a prestigious and fulfilling profession with a good income.
Former and current Student Opinions:

“Studying at the University of Sharjah College of Pharmacy is a stimulating and supportive experience.”

“We are proud of being University of Sharjah pharmacy graduates.”

“Our daily life at the College of Pharmacy is enjoyable and special.”

Success Rates

Over the past two years 80% of our graduates have passed the national boards on their first attempt. The same percentage has secured jobs in various pharmaceutical sectors.
EXPERTISE DEVELOPMENT
The various general and pharmaceutical skills, knowledge and experiences acquired through the Bachelor of Pharmacy program at the University of Sharjah provide graduates with a variety of career opportunities including:

- Community pharmacy
- Hospital pharmacy
- Clinical pharmacy
- Pharmacy consultant
- Pharmaceutical industry
- Academia and graduate studies
- Government & regulatory work
- Nuclear pharmacy
- Research

THE WORK PLACE
Community pharmacists practice medication dispensing, drug compounding and preparation, and patient counseling on the appropriateness of their drug treatments. They also provide advice to patients on the management of minor ailments.

In the hospital, pharmacists dispense medications for both in-patients and out-patients. A clinical pharmacist in the hospital is involved in critical decisions about patient treatment; many doctors depend on pharmacists to check the doses of medications so that medications do not cause harm to the patient and to ensure the most beneficial effects of medications.

Some doctors employ pharmacists to help them do these activities in their clinics or consult with them upon demand. Oncology pharmacists are involved in preparing chemotherapeutic medications, checking the appropriateness of treatments and medication doses, and making sure patients are able to tolerate medications.

Pharmacists in general are involved in drug regulation and control; they make sure appropriate drugs are registered within a country, and that these medications are pure and are from reliable sources. They serve on committees that pass laws and regulations about the appropriate use, storage, and handling of medications and the pharmacies and the pharmacists themselves.

Pharmacists may seek employment in the pharmaceutical industry, at companies as researchers and consultants, and in drug development, sales and marketing. Some pharmacists choose to work at drug information and poison control centers where they provide information to the community and other health professionals about medications, poisons, toxic substances and drug abuse.

Graduates seeking a career in academia may work in colleges or universities where they may teach students, be involved in research, and offer educational programs to other pharmacists in the community.

GRADUATE STUDIES
Master in Pharmaceutical Sciences
The study and practice of Pharmacy has expanded considerably over the last few years due to the growth of the health care and pharmaceutical industry. In line with this, the college of Pharmacy is offering a program of MASTER OF PHARMACEUTICAL SCIENCES. The academic aim of the program is to prepare students for professional roles in the area of pharmacy, with the knowledge and skills to advance the discipline from the academic, research and
practical standpoints. The M. Pharm. Sci. program will prepare the students to address the current and future challenges in disciplines such as patient care, pharmaceutical industry, health promotion, research and development, management and investment in drug industry, and academic positions. The intent is also to prepare students to engage in independent and collaborative research in academic, governmental and applied life science contexts. During this educative process, students will participate in knowledge generation and improvement, research synthesis, and knowledge/technology transfer. The proposed master program is thesis-dependent program, which includes both courses and thesis. After the initial general study during the first semester, students select one of three concentrations; Pharmacology, Pharmaceutics or Medicinal Chemistry. A completion of 33 credits is required for the program. The course work includes 12 credit hours of general compulsory courses, 12 credit hours of specialized courses, and 9 credit hours master thesis.

Doctor Of Pharmacy (PharmD)
The College of Pharmacy (CoP) was established in 2004, seven years after the foundation of the University of Sharjah (UoS). The first batch of the college students was awarded the Bachelor of Pharmacy (B. Pharm.) degree at the end of the academic year of 2008/2009. Since its foundation, the CoP is continuously updating its curriculum, to keep pace with the rapidly evolving pharmacy profession. Considering the facts related to the shortage in the qualified pharmaceutical scientists worldwide, to keep up with the developments of various pharmacy fields in the UAE and across the Gulf region, and to answer the repeated inquiries regarding graduate programs, CoP proposes a program of doctor of pharmacy (PharmD).

The academic aim of the program is to prepare students for professional roles in the area of pharmacy, with the knowledge and skills to advance the discipline from the academic, research, and practical standpoints. The PharmD program will prepare the students to address the current and future challenges in disciplines such as patient care, health promotion, research and development, management and investment in patient health, and academic positions. The intent is also to prepare students to engage in independent and collaborative clinical and outcomes research. During this educative process, students will participate in knowledge generation and improvement, and knowledge/technology transfer to the healthcare system.

There is only one Graduate PharmD program offered in the UAE, the existence of CoP within the medical campus of the UoS and having the Sharjah Institute of Medical Research inside this campus will make the program highly attractive for pharmacy graduates looking for graduate patient care related programs.

PharmD Program Goals
Provide students with advanced knowledge and techniques in clinical related and outcomes research. Train students and enhance their ability to providing pharmaceutical care to patients and promoting public health. Develop students ability to effectively communicate scientific information both orally and in writing to provide drug information and education. Provide a challenging and innovative learning environment to prepare the students for further advanced graduate or professional programs or scientific careers in the clinical pharmacy and pharmacy practice. Develop the students ability to engage in life-long learning and exhibit professionalism with the highest ethical standards. Foster problem-solving and decision-making skills applied to facilitate employment in scientific careers that contribute to the growth and development of society.

Certified Activities
The College of Pharmacy, in collaboration with the Ministry of Health, offers accredited lectures, seminars, workshops and short term diplomas in various pharmaceutical fields.

Open Day
“Scientific Day” is held annually and is a memorable day filled with enjoyable science, social and sports games, competitions, and activities, plus tasty food enjoyed by students, faculty and staff.
Admission Requirements

MAKING THE GRADE
On competitive basis, students with a minimum overall average of 80% on the UAE Secondary School Scientific Certificate or its equivalent, as approved by the Ministry of Education, may apply for admission to the College of Pharmacy.

IGCSE, GCSE, GCE
Students are required to present a certificates indicating a minimum of 12 years of schooling. All applicants must have taken the following subjects at the GCSE level with a minimum grade of (BBCC) or above in any order: Biology (or Human Biology), Chemistry, English Language, Mathematics (or additional Mathematics or Statistics), Physics. Two A-level grades (B & C) in Biology and Chemistry.

American-Style High School
Students must have passed grades (10, 11, and 12) and taken a minimum of five (5) subjects in each grade with a minimum grade point average B. Only subjects classified as academic are considered in the calculation of the cumulative grade point average (CGPA).
ENGLISH PROFICIENCY TESTS
All new students applying to the College of pharmacy are required to obtain a passing score on one of the English language proficiency exams recognized by the University of Sharjah. Students may take the institutional TOEFL exam at the University of Sharjah upon registration and must achieve a minimum score of 500. The University of Sharjah also accepts a minimum of 61 on the international iBT TOEFL (Internet-based exam), or a minimum of 5.0 on the academic IELTS exam provided that the student’s test score certificate is still in effect.

HEALTH REQUIREMENTS
Students in the clinical programs are required be immunized for tuberculosis (TB) and Hepatitis B and will have the opportunity to arrange for vaccinations at the University. Students are encouraged, however, to arrange for their own vaccinations and to provide appropriate documentation as proof of immunization.

GRADUATION REQUIREMENTS
The five years degree in B. Pharm comprises 170 credit hours of study made up as follows:
- University Requirements: 12 credit hours, which are composed of:
  - Compulsory Courses: 18 credit hours
  - University Elective Courses: 12 credit hours
- College Requirements: 145 credit hours

Period of Study:
- The Bachelor Degree in Pharmacy may be completed in a minimum of eight (10) semesters.
- Students may not exceed the maximum period of study (15 semesters) in the College of Pharmacy.
- Students in the program are required to maintain a minimum GPA average of no less than 2.00. In order to graduate, students are required to complete all other study plan requirements.

College of Pharmacy faculty members are engaged in research projects and have presented their findings at several national and international conferences and published in highly reputable journals. Students are also active in research and have been awarded several prizes for best research projects.