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

Studying at a prominent and comprehensive university offers many advantages. It will enable you to take courses and program options and combine disciplines to address the challenging needs of the future. It will also provide you with the flexibility to choose from a wide range of options the program that best matches your talents and aptitude. Lastly, it will provide you with a wonderful journey of learning and self-discovery that will bring your best abilities to the forefront.

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The College of Medicine

The College of Medicine is part of the University of Sharjah’s renowned Medical and Health Sciences Cluster in Sharjah University City, which boasts a magnificent picturesque campus with beautiful landscaping and a colossal fountain lagoon that sits in the heart of the campus. The Medical and Health Sciences Cluster is home to the Colleges of Medicine, Dentistry, Pharmacy, and Health Sciences, and the Clinical Training Center (CTC) in addition to a state-of-the-art teaching hospital.

VISION
The College of Medicine will strive for national and international prominence by differentiating itself through excellence in the full spectrum of medical education at the undergraduate, postgraduate research and continuing professional development levels.

MISSION
The mission of the College of Medicine is to provide education for medical students and medical professionals through the creation of a scholarly environment that fosters excellence in the lifelong goals of education, research activity and compassionate patient care.

HIGH STANDARDS
In upholding the highest standards, we will demonstrate ethical leadership by example, conduct ourselves with integrity, avoiding conflict of interest, and hold our work the highest academic standards.
RESPECT FOR INDIVIDUALS
In valuing respect for individuals, we strive to treat others with respect and dignity, honour individual differences, promote open communication and listen pro-actively, and create a collegial environment based on loyalty to our co-workers and Institution.

ADVANCING KNOWLEDGE
In expressing our passion for learning, we encourage; exploration of new ideas in our teaching and research, the courage to meet challenges and assume risk, diverse learning opportunities where creativity thrives, and interdisciplinary teamwork.

PERSONAL DEVELOPMENT AND LEADERSHIP
Recognizing that exceptional quality begins with people, we create a culture of personal development and professional fulfillment, a workplace where expectations are matched by our reward system, an atmosphere where people value the balance between work and family, and a mentor-rich culture where faculty staff and students can enhance their leadership skills.

COMMITMENT TO BEST PRACTICE IN HEALTHCARE AND PATIENT SAFETY
Supporting our fundamental belief in the doctor/patient relationship, we are committed to the highest quality medical care for our patients, training the next generation of physicians and healthcare professionals to be capable and compassionate, promoting good health and well-being in response to the needs of our community. Finally we are committed to our community partners who help us achieve excellence in all that we do.

PROGRAMS OFFERED
- Bachelor of Medicine and Bachelor of Surgery
- Master in Molecular Medicine and Translational Research
- Master in Leadership in Health Professional Education
- Doctor of Philosophy in Molecular Medicine and Translational Research

WHAT STUDENTS SAY
“Throughout the first 3 years of basic sciences I learnt a lot about the human body and mind. Studying medicine has been my dream since I was a child, and two years are only left till I fulfill my dream. Studying medicine was not only about studying the human body and diseases, in fact it was more of learning about the human mind and its wonders. And I am still fascinated till this day by the great creation of our body and how everything is controlled and in specific order. I have spent 3 years studying about the basics of medicine and now I cannot wait for my last 2 years, which will be mostly spent in the hospitals interacting with real patients and learning the clinical aspect of medicine. I cannot wait for the day I graduate and fulfill my dream of helping others, and be the doctor I always dreamt of being.”

Hebah Rami Al Jaghoub
third year medical student
The Medical Program

Our Medical Program is adapted with sensitivity to the cultural context of medical practice in the UAE. The program was repeatedly praised by the UAE Ministry of Higher Education and Research Accreditation Committee. Our medical program employs an interesting amalgam of cutting-edge student, team, problem and competency based learning methodologies with an early introduction of clinical sciences, ethics and professionalism.

ACCREDITATION
The College of Medicine program is accredited by the UAE Ministry of Higher Education, and recognized by the Foundation for Advancement of International Medical Education and Research (FAIMER) of the United States, Educational Commission for Foreign Medical Graduates (ECFMG) and the World Health Organization (WHO).

STUDENT CENTERED EDUCATION
The College of Medicine employs a student centered educational model, where the student is the center of the learning process, this in contrast to the traditional teacher centric norms where the teacher’s role changes from an information giver to a facilitator of learning.

PROBLEM BASED LEARNING (PBL)
Problem Based Learning is a student-centered and team-based teaching methodology in which students learn about a subject in the context of medical problems. Working in groups, students identify what they already know, what they
need to know, and how and where to access new information that may lead to resolution of the problem. The role of the instructor is that of a facilitator of learning who provides appropriate guiding of that process by asking probing questions, providing appropriate resources, and leading class discussions, as well as designing student assessments.

**MEDICAL GRADUATE PROFILE AND CURRICULUM OUTCOME COMPETENCIES**

The Medical Graduate Profile (MGP) describes the outcome competencies which graduates should have acquired by the end of the six-year medical program. The undergraduate Medical College’s curriculum outcome competencies are derived and based on competencies identified by international and regional medical education organizations. They were adapted with sensitivity to the cultural context of medical practice in the UAE. The medical graduate competencies are structured around the six following competency domains of the Accreditation Council for Graduate Medical Education Competencies (ACGME):

1. Patient & Population Care
2. Knowledge
3. Evidence-Based Practice and Lifelong Learning
4. Interpersonal Communication Skills
5. Ethics & Professionalism

**CLINICAL SKILLS**

The Clinical Skills program at the College of Medicine is designed to train medical students from Year One to acquire clinical and professional skills using advanced simulators, models, computer based simulators and simulated patients. The training includes but is not limited to communication skills, physical examination skills, procedures and surgical training.

**LEARNING RESOURCES**

The Medical Campus library offers a range of facilities including on and off campus access to online resources, group study rooms, network computer labs, wireless networking, and adequate printing facilities.
Graduate Programs

The College of Medicine, while consolidating on its undergraduate innovative educational programs, initiated postgraduate programs offering Master and Ph.D. degrees in Molecular Medicine and Translational Research. The program started in mid-2016.

MASTERS PROGRAM IN MOLECULAR MEDICINE AND TRANSLATIONAL RESEARCH
The College of Medicine, while consolidating on its undergraduate innovative educational programs, initiated postgraduate programs offering Master and Ph.D. degrees in Molecular Medicine and Translational Research. The program started in mid-2016.

The College has succeeded in establishing strategic alliances with leading universities and institutions in Germany, Canada, Australia and U.S.A. Agreements have been signed by His Highness, Sheikh Sultan Bin Muhammad Al Qassimi, with Lubeck University in Germany to support postgraduate training and research in laboratories that have earned an international reputation. An important aspect of the agreement with Lubeck University is to establish a joint supervision of a Master and PhD programs in Molecular Medicine and Translational Research where the degrees are awarded by the two universities. Similar agreements are underway between University of Sharjah and McGill University as well as University of Ottawa in Canada.

The Master and PhD programs will be the cornerstone of the Sharjah Institute for medical research at the University of Sharjah.
Program Objectives
• To educate future researchers through innovative teaching practices and opportunities.
• To allow significant graduate student participation in cutting-edge research.
• To provide an environment that fosters intellectual growth and professional development in the field of Molecular Medicine.

PROGRAM OUTCOMES
Upon completion of the Master program graduates will be able to:

1. Critically analyze and question knowledge claims in the fields of Molecular Medicine.
2. Identify key concepts in cell biology and its application in understanding the molecular and genetic basis of diseases.
3. Develop awareness of the ethical dimensions of research.
4. Review models of translational research and its transfer from labs to patient care.
5. Ability to adapt and innovate to solve problems using molecular and genetic sciences.
6. Develop technical skills in using common modern techniques in Molecular Biology.
7. Demonstrate competence in scholarly research writing.
8. Proceed to a Ph.D. program.

Program Structure & Requirements
This program will prepare graduates to pursue a research career and acquire the necessary knowledge and skills to join a PhD program. The Master is course-based (non-thesis), even though much emphasis is placed on the graduation research project.

The curriculum will be organized under modules. Each module will have more than one course. Course contents will be identified by the joint academic committee.

Duration and Graduation Requirements
The MS program consists of 16 courses; 3 credits each (Total 48 credits). Students are required to complete all obligatory courses in M1 (Total of 24 credits), and all obligatory and one selected Elective course per semester in M2 (Total of 24 credits).

MASTER IN LEADERSHIP ON HEALTH PROFESSIONS EDUCATION
The Program aims at preparing health professions educators to build their skills as leaders in educating future health professionals and contribute to the improved scholarship of teaching and learning in health profession education through evidenced-based practice and research.

Program Objectives
On successful completion of the MSc LHPE program, students will be able to:

1. Apply knowledge and skills in the area of health curriculum design, delivery, evaluation and assessment with sensitivity to the culture, context of practice, and healthcare delivery systems in GCC countries.
2. Plan a culture related student learning and faculty development programs in the context of the health professions education environment.
3. Develop a vision for teaching and learning in the healthcare setting that is shared by all stakeholders and responds to diverse community needs.
4. Apply a leadership role as an effective educator and advocate for improved health profession education delivery.
5. Manage change in the health profession education context to deliver evidence-based practice and programs.
6. Integrate skills and knowledge gained throughout the program and apply it to an organizational development project.
7. Implement scholarship and education research activities in teaching and learning to contribute to the development of evidenced-based health professions education practice.
8. Integrate leadership skills with an in-depth understanding of the spectrum of medical education.

These competencies will be pursued through the provision of a flexibly structured program that response to the needs and characteristics of diverse discipline fields and groups with a role in health professions education.
Doctor Of Philosophy In Molecular Medicine And Translational Research

The College has succeeded in establishing strategic alliances with leading universities and institutions in Germany, Canada, Australia and U.S.A. Agreements have been signed by His Highness, Sheikh Sultan Bin Muhammad Al Qassimi, with Lubeck University in Germany to support postgraduate training and research in laboratories that have earned an international reputation. An important aspect of the agreement with Lubeck University is to establish a joint supervision of a Master and PhD programs in Molecular Medicine and Translational Research where the degrees are awarded by the two universities. Similar agreements are underway between University of Sharjah and McGill University as well as University of Ottawa in Canada.

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Program Objectives

The objectives of the PhD program in Molecular Medicine is to train PhD students to the highest standards of modern education in the field of Medicine. Graduates of the program should be able to perform independent and high quality research; they should also be able to present their works with great confidence. Ability to write scientific manuscripts and grant applications in the field of Molecular Medicine is also part of the education process. Emphasis of the program is placed on diseases that affects the local area such as diabetes, cancer, asthma and autoimmune diseases.
Program Structure
The Ph.D. degree is awarded to candidates with the ability to carry out independent research, and submission of a dissertation containing an account of the successful original study of a scientific problem. Study will be full or part time.

5. PhD program domains
The PhD program will have five major domains:
- Bioinformatics
- Cancer Target Therapy
- Cancer Immunology
- Cancer Genetics
- Molecular Basis of Diabetes and CVD

7. Duration and Graduation Requirements
3-4 years – Completion of a minimum of 42 credits; offering the degree will be based on a dissertation and two international publications.

This includes finishing course material in the first year, at the end of which a student shall sit for a comprehensive exam. This is followed by the submission of project proposal, and upon the completion of all the research work, the student shall submit a dissertation. A final oral defense of the dissertation will be organized at the University of Sharjah.

Year 1: a number of research related courses (to be identified by the Joint Academic Committee)

Years 2,3 and possibly 4 will be dedicated for the research activities and preparation of the dissertation

Postgraduate Diploma in Ultrasound Technology Applications
The Postgraduate Diploma in Ultrasound Technology Applications (PGDUS) is a unique program, designed to address unmet needs of the Obstetrics and Gynecology (OBG) specialist and consultants to equip them with the core knowledge and skills in using ultrasound technology during pregnancy and interpreting fetal ultrasound images as well as US images of female reproductive pathologies. This program targets OBG specialists practicing in UAE and the region. It is based on best international and regional practice in similar programs. It takes into consideration the requirements to develop and update OBG skills in the discipline. The past practices in Sharjah clinical training center gave us excellent feedback on how to design an effective program in terms of the scientific and training content. The PGDUS program is modular structure comprising nine modules and a comprehensive assessment of knowledge, skills and professionalism. The faculty are renowned international and national fetal medicine and imaging specialists.

Program Objectives
Give the Candidate a background knowledge that enable them to start the clinical practice efficiently.
Develop candidates’ ability to apply this knowledge & skills in everyday practice.
Basic Principles of Different modalities of Ultrasound Machine, probes & Using techniques in 1st trimester ultrasonography
Development of critical thinking, analytical abilities, life-long learning and Pursuing higher level training
Sharjah Medical Excellence Cluster

The Sharjah Medical Excellence Cluster (SMEC) is a unique feature of the Medical and Health Sciences campus. It has combined on the same premises, medical education as best practices, training of students and professionals, as well as research and modern patient care in the state-of-the-art University Hospital Sharjah.

CLINICAL TRAINING CENTER
The Clinical Training Center (CTC) is a 2,500 square meters training facility that sits in the heart of the College of Medicine. It is one of the largest and state-of-the-art training centers in the GCC region for the training of medical students and health professionals to enhance their professional and clinical skills. The facility is comprised of 3 lecture halls, 15 training rooms, 8 clinics, 4 operation units supplied with complete surgical equipment in addition to 4 training labs.

SHARJAH SURGICAL INSTITUTE
The Sharjah Surgical Institute (SSI) is a joint venture between the College of Medicine and distinguished organizations that specialize in laparoscopic surgery and laser technologies. The SSI is a place where students and medical professionals have the opportunity to practice cutting-edge surgery procedures using state-of-the-art equipment, tools and resources. The institute organizes training workshops for specialists from all over the world. A recent workshop featured hip replacement surgery.
SHARJAH INSTITUTE FOR MEDICAL RESEARCH
The Sharjah Institute for Medical Research was established as part of the vision of HH Sheikh Dr. Sultan Al Qassimi to build a research facility that can lead medical research and its application in UAE and the Gulf region.

The institute is a 7000 square meters student centered medical research center that boasts 17 state-of-the-art laboratories including radioactive labs, and tissue culture.

The Center focuses on several research domains; Cancer Biology, Stem Cell research, Diabetes research, Hospital Acquired Infection, Medical Education, and Women’s health. Students begin their research activities over the last four years of study. Over the last four years, students have completed and presented more than 80 community based research studies that were presented in national and international conferences.

UNIVERSITY HOSPITAL SHARJAH
The University Hospital Sharjah is part of the medical campus; it will be a great resource for the people of Sharjah who wish to access a high quality service in an excellent patient focused environment, while the facility equipment and ambience will be first class, the discriminating feature of the hospital will be its commitment to providing clinical care with compassion and professionalism that will be unsurpassed.

The hospital has a capacity of 220 beds in phase 1 and can expand to 320 beds in phase 2, the hospital will encompass several centers of clinical services like pediatrics, neonatology, pediatric surgery, women’s health, men’s health - urology, orthopedic surgery, rheumatology, metabolic diseases - diabetes, cardiovascular diseases, surgery of obesity, gastroenterology, general surgery etc..

The hospital will feature state of the art diagnostic services in pathology and medical imaging, including MRI, CT, ultrasound and mammography. Well equipped operating rooms, delivery suites, intensive care unit, coronary care unit, and urgent care centre round out a comprehensive clinical profile.

“The Royal College of Surgeons of England has selected the Sharjah Surgical Institute and Clinical Training Center as a major training and examination center in the Middle East.”

“The Sharjah Institute for Medical Research is one of the corner stones of the Sharjah Medical Excellence Cluster (SMEC)”
Accreditation Committee Report, 2009

RESEARCH DOMAINS AND COLLABORATING INSTITUTES
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