



Arak University of Medical Sciences  
International Affairs Management



دانشگاه علوم پزشکی و خدمات بهداشتی درمانی اراک

# *Arak University of Medical Sciences*

## *Book of Fact 2021*

### *International affairs Management*





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**IN THE NAME OF GOD**



*Don't give up your dreams!*



## *Message from Chancellor*



*Iran has been the cradle of science and art for more than a thousand years, and in these two fields, it has dedicated famous scientists and artists to human society. The share of Markazi province in introducing educated men and women in the field of various sciences, especially medical science, has not been small. The existence of 7 universities in Markazi province and at the top of them Arak University of Medical Sciences (AUMS) as the main trustee of medical education and also a provider of health services shows the importance of medical sciences and other sciences in the central part of Iran.*

*At present, AUMS with 7 faculties and 46 fields of study, has been able to attract over 4200 students, and of course the share of international students has been very small so far, but fortunately the potential and readiness is now available at the university to demonstrate its ability to educate international students. As the President of Arak University of Medical Sciences, while welcoming international students, I would like to say that if you choose AUMS as your place of study, you can be sure that by choosing this university, you will create a very attractive and new experience for yourself. As president of AUMS on behalf of the board of directors and all faculty colleagues, warmly welcome all those interested in AUMS.*

***Dr. Seyed Mohammad Jamalian***

***Chancellor of AUMS***

## *Message from*

### *Vice Chancellor for Education*

*Arak University of Medical Sciences, with more than 35 years of education in medical sciences, having capable and experienced professors, educational infrastructure such as laboratories, research centers, library, reading room, high internet bandwidth, access to banks Information, equipped teaching and research hospitals, is one of the leading universities in the Islamic Republic of Iran. The university is located in a developed city, 300 km from the capital.*

*Arak University of Medical Sciences in general policy and vision in order to strengthen and develop effective international scientific and cultural interactions in attracting top students from other countries, introducing the university as one of the leading centers of higher education in international forums, expanding scientific relations and the culture of the Islamic Republic of Iran with other countries of the world through students, providing a suitable platform for introducing the achievements, dissemination and development of the rich Iranian-Islamic culture, has accepted qualified international students.*

*According to the approval of the Ministry of Health and Medical Education, Arak University of Medical Sciences can attract foreign students in the form of free admission in different fields with special conditions. Admission of students in a wide range of different courses from residency, Ph.D., general doctorate (in medicine and dentistry), master's degree, bachelor's courses and also short-term skills courses learning extends.*

*As the Vice Chancellor for Education of the University and on behalf of my faculty colleagues, I suggest studying in the Islamic Republic of Iran and Arak University of Medical Sciences to all those interested in pursuing higher education.*

*Dr. Saeed Changizi Ashtiani*

*Vice Chancellor for Education*

## *Message from Manager of International Affaires*



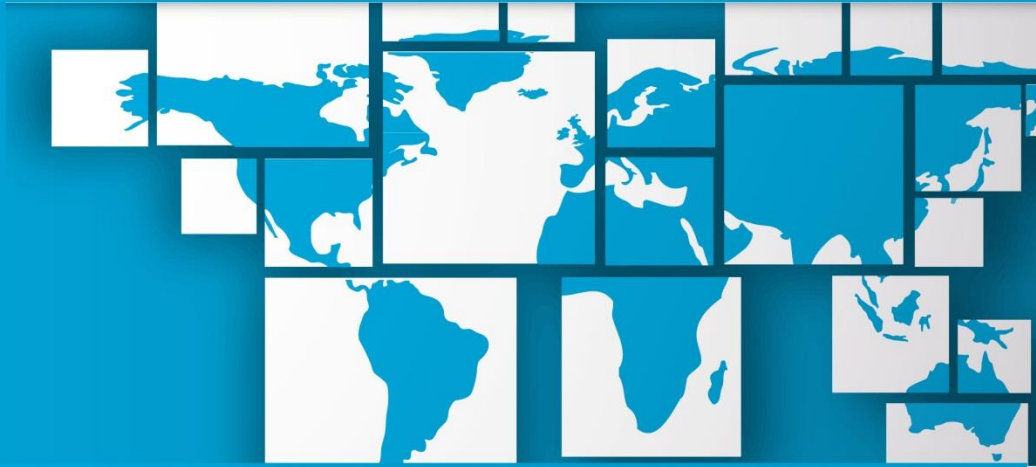
**International Affairs Management is one of the youngest departments of Arak University of Medical Sciences, which is responsible for creating a two-way communication bridge between inside and outside the university. Over the course of 16 months, our small team was able to provide relatively large core infrastructures to connect with the university.**

**Over the course of 16 months, our small team was able to provide a relatively large core infrastructure to connect with the university. At present, it is possible for organizations, universities, faculty members and students to communicate with Arak University of Medical Sciences, and it is also possible for students, in addition to obtaining the necessary information about their favorite field of study, they are able to register online and upload their documents on the university portal.**

**As the Director of International Affairs of Arak University of Medical Sciences, I would like to invite all students to choose Arak University of Medical Sciences to continue their studies and add a new and exciting experience to your studies.**

**Dr. Bahram Jalaei**

**Manager of International Affairs**



***Vice***

***Chancellors***



*Vice Chancellor for Education*



*Dr. Saeed Changizi Ashtiani*

*Vice Chancellor for Treatment*



*Dr. Bahman Sadeghi Sadeh*

*Vice Chancellor for Public Health*



*Dr. Ali Alimohammadi*

*Vice Chancellor for Resource Planning  
and Management Development*



*Dr. Saeedreza Soltani*

*Vice Chancellor for Food and Drug*



*Dr. Abbas Alimoradian*

*Vice Chancellor for Research and Technology*



*Dr. Reza Kamali*

*Vice Chancellor for Student Affairs*



*Dr. Fakhreddin Shariyatmadari*



***Dean of***

***Faculties***



*Dean of the Faculty of Medicine*



*Dr. Ramin Parvizrad*

*Dean of the Faculty of Paramedicine*



*Dr. Mohammad Reza Bayatiani*

*Dean of the Faculty of Dentistry*



*Dr. Ehsan Momeni*

*Dean of the Faculty of Nursing*



*Dr. Mahboobeh Sajjadi*

*Dean of the Faculty of Health*



*Dr. Ali Koolivand*

*Dean of the Faculty of Rehabilitation*



*Dr. Leyla Poorsaadat*

*Dean of Shazand School of Nursing*



*Mohammad Goli Taleb*



Arak University of Medical Sciences

## About Arak City

### Markazi Province

Markazi province is one of the 31 provinces of Iran. The word Markazi means central in Persian. Its population is estimated at 1.41 million. The present borders of the province date to the 1977, when the province was split into the current Markazi and the Tehran Province, with portions being annexed by Isfahan, Semnan and Zanjan Province.

The major cities of the province are: Arak, Ashtian, Delijan, Farahan, Khomein, Khondab, Mahallat, Tafresh, Saveh, Shazand and Zarandiyeh.

### ARAK

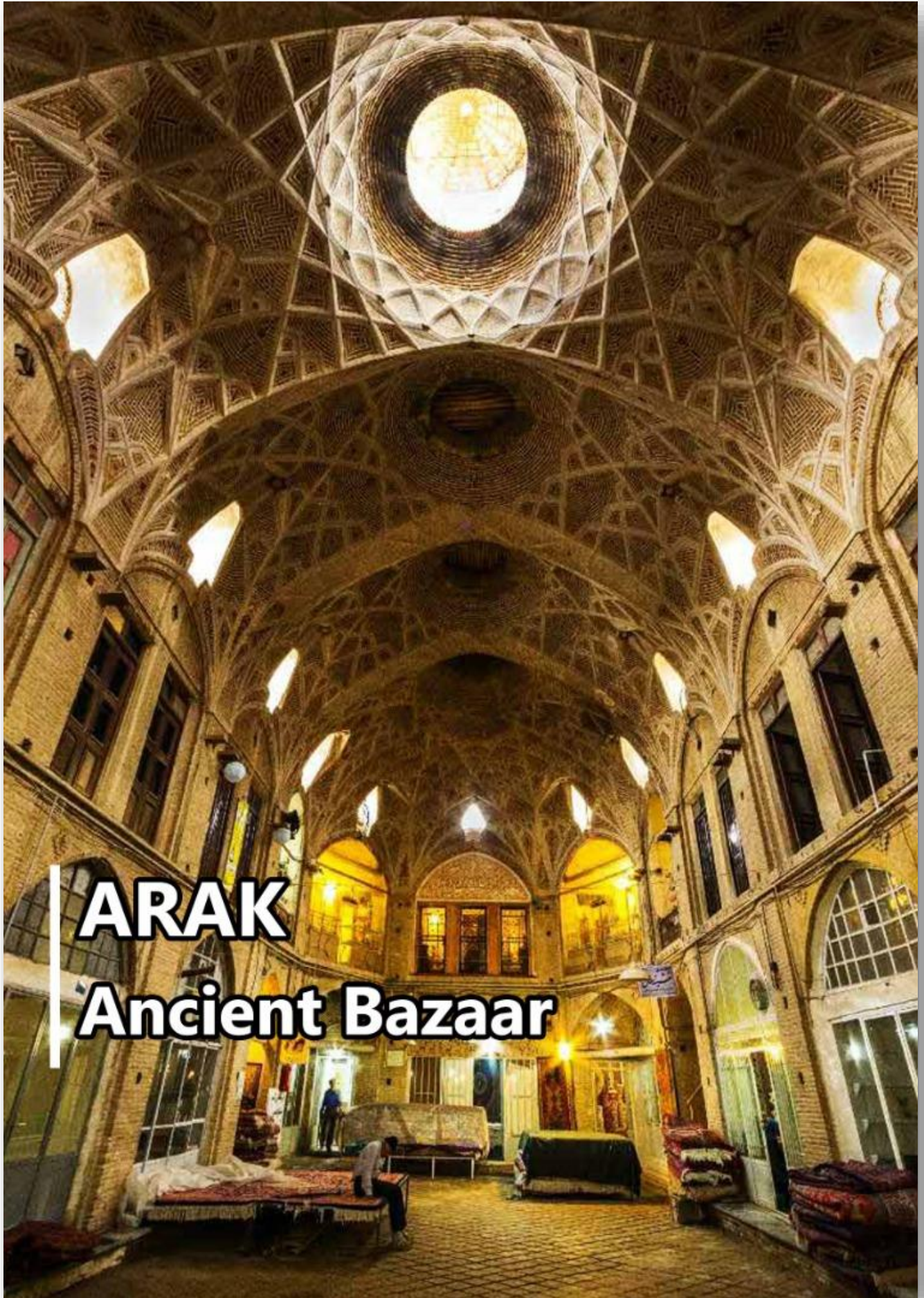
Arak is one of the largest cities in the central west part of Iran and is the capital of the Markazi Province with a population about 700000 people that makes it the 20th populated city of Iran.

It is a major industrial city hosting several industrial factories including: Machine Sazi of Arak, Iranian Aluminum Company: (These factories produce nearly half of the needs of the country in steel, petrochemical, and locomotive industries.)

### Climate

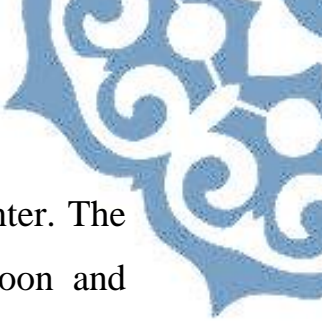
Arak has climate characteristics of Central Plateau of Iran that is, in general, relatively hot and dry in summer, windy and cool in autumn, cold and snowy in winter, and mild in spring. Its maximum temperature may raise up to 35 degrees





**ARAK**  
**Ancient Bazaar**





Celsius in summer and drop to below -5 to -10 degrees Celsius in winter. The mountains surrounding south, west and east of Arak, Meygan Lagoon and Farahan Plain have affected the climate of Arak with unique characteristics. Winter is often long and varies from 4 to 6 months and Spring and Summer are short. Summer happens in June, July and August. Frost days may last 65 to 120 days and the annual rainfall is around 230 mm to 638 mm with the average amount of 300 mm per year. The annual relative humidity is 46%.

### **Natural Attractions**

**Meygan Lagoon:** This lagoon with an area of 25 hectares is located 15 kilometers away in the North East of Arak and in the south of the city of Davoodabad. Due to the diversity of migratory birds in the area, this lagoon has become one of the best eco-tourist places in Arak.

**Walnut Valley tourism area:** The region has an area of 100 hectares located in the south of Arak. Weather is wonderful and nature is intact.

**Takhte-e-sadat tourism region** (Karahroud and Senejan gardens): One of the natural attractions with an area of 100 hectares and located in the nearby of Karahroud and Senejan district. Springs, Fruit gardens and Karahroud Sadat tomb are the tourist attractions.

**Recreational area of mountains** (Kooch-e-Sorkhe): It is another recreational area located adjacent to Walnut Valley tourism area.

### **Health centers**

University health centers of ValiAsr Hospital, Amir Al-Mo'menin Hospital, Ayatollah Khansary Hospital, Amir Kabir Hospital, Ayatollah Taleghani Hospital, Imam Khomeini Social Security Hospital and Qods and Sina Private Hospitals are the main Healthcare centers in Arak city.



**ARAK**  
**Meyghan Lagoon**



**ARAK**  
**Chahar Fasl Museum**



## Centers for Studies in Higher Education

Arak city as an Industrial and metropolis has 7 universities and higher education centers including: Arak University of Medical Sciences, University of Arak, Arak University of Technology, Azad University of Arak, Payam Noor University, Arak Farhangian University and Arak Comprehensive University of Applied Sciences.

## Infrastructure of the city

Arak has two infrastructures, one is modern and another one is related to ancient. These two infrastructures can be found nearby each other for example: while you can visit the ancient BAZAR in the central part of the city you can easily access to modern malls and buildings soon that makes Arak for walking, attractive.



**The Bazaar of Arak** is one of the first constructed buildings in the city of Arak

The bazaar complex, containing a public bath, a mosque, water reservoirs, Passages and Caravansary, was built at the time of Fath-Ali Shah Qajar and by Yusef Khan-e Gorji, in the middle of Sultan Abad (Arak's former name). This bazaar is centered at Chahr soogh, which is the junction of two north-south and east-west paths that end to four ancient city gates





Arak University of Medical Sciences

## Schools



Arak University of Medical Sciences is in ARAK city which is located in the center of Iran and is more than thirty-five years old, where the faculties of medicine, dentistry, nursing, paramedical, health, and rehabilitation teach and train students.



## *School of Medicine*



School	Courses	Level
Medicine	Medicine	GP
Medicine	Neurosurgery (Neurological surgery)	Assistant
Medicine	Psychiatry	Assistant
Medicine	Internal medicine	Assistant
Medicine	General surgery	Assistant
Medicine	Anesthesia	Assistant
Medicine	Obstetrics and gynecology	Assistant



Medicine	Pediatrics	Assistant
Medicine	Infection diseases	Assistant
Medicine	Orthopedics	Assistant
Medicine	Radiologist	Assistant
Medicine	Emergency medicine	Assistant
Medicine	Ph.D. Iranian medicine	Ph.D.
Medicine	Molecular medicine (by research)	Ph.D.
Medicine	Physiology	Ph.D.
Medicine	Microbiology	Ph.D.
Medicine	Anatomy	Ph.D.
Medicine	Molecular medicine	Master
Medicine	Anatomy	Master
Medicine	immunology	Master
Medicine	Medical biotechnology	Master
Medicine	Biostatistics	Master
Medicine	Biochemistry	Master
Medicine	Physiology	Master
Medicine	Microbiology	Master
Medicine	History of medical sciences	Master
Medicine	Counseling in midwifery	Master
Medicine	Midwifery	Bachelor



Arak University of Medical Sciences

## School of Medicine

### *Medicine*

#### Key Facts



##### Foundation

School of Medicine



##### Total Duration

M.D - 84 Months



##### Acceptable field

Secondary school diploma or equivalent



##### Commencement

September & February

#### About

Medicine is the science and practice of establishing the diagnosis, prognosis, treatment, and prevention of disease. Medicine encompasses a variety of health care practices evolved to maintain and restore health by the prevention and treatment of illness. Medicine has existed for thousands of years during most of which it was an art (an area of skill and knowledge) frequently having connections to the religious and philosophical beliefs of local culture. For example, a medicine man would apply herbs and say prayers for healing, or an ancient philosopher and physician would apply bloodletting according to the theories of humorism.









Arak University of Medical Sciences

## School of Medicine

### *Neurosurgery*

*(Neurological surgery)*

#### Key Facts



##### Foundation

School of Medicine



##### Total Duration

Specialty - 60 Months



##### Acceptable field

General Medicine (M.D)



##### Commencement

September & February

#### About

Neurosurgery was established in Iran in 1951 and then the curriculum has undergone many changes parallel to this specialty development in the world. It is necessary that the curriculum of various programs be reviewed every few years due to constant advances in science and technology, environmental changes, changing pattern of diseases, and increase in accidents in the world (many of which lead to brain and spinal cord injuries); and, considerable developments in diagnostic and therapeutic procedures in various fields, including neurosurgery.





Arak University of Medical Sciences

## School of Medicine

### *Psychiatry*

#### Key Facts



##### Foundation

School of Medicine



##### Total Duration

Specialty - 48 Months



##### Acceptable field

General Medicine (M.D)



##### Commencement

September & February

#### About

**Psychiatry is the medical specialty devoted to the diagnosis, prevention, and treatment of mental disorders. These include various maladaptation related to mood, behavior, cognition, and perceptions.**

**Initial psychiatric assessment of a person typically begins with a case history and mental status examination. Physical examinations and psychological tests may be conducted.**



Arak University of Medical Sciences

## School of Medicine

### *Internal medicine*

#### Key Facts



##### Foundation

School of Medicine



##### Total Duration

Specialty - 48 Months



##### Acceptable field

General Medicine (M.D)



##### Commencement

September & February

#### About

**Technologic Development, Individual Life Style Changes and more exposure to Environment Risk factors have changed the picture of Disease pattern (Communicable, no communicable).**

**On the other hand, extreme interest of Internists for graduating in sub-specialties of internal medicine, and restricting their academic and professional activities to their subspecialties, and large space allocation in Public Hospital to the equipment needed for these subspecialties are a challenging problem for the health system and Academic Authorities and Internal Medicine Science itself. In this regard with considering widespread borders of our country, community needs, General Internal Medicine with its Holistic View is in serious need for more support and attention.**



Arak University of Medical Sciences

## School of Medicine

### *General surgery*

#### Key Facts



##### Foundation

School of Medicine



##### Total Duration

Specialty - 48 Months



##### Acceptable field

General Medicine (M.D)



##### Commencement

September & February

#### About

General surgery is a branch of medicine that is about surgical management of diseases of different parts of human body. The main emphasis of the field is on traumas, diseases of gastrointestinal tract, abdomen, neck, endocrine system, peripheral arteries, soft tissues and breasts. It is a surgical specialty that focuses on abdominal contents including esophagus, stomach, small intestine, large intestine, liver, pancreas, gallbladder, appendix and bile ducts, and often the thyroid gland (depending on local referral patterns). They also deal with diseases involving the skin, breast, soft tissue, trauma, Peripheral artery disease and hernias and perform endoscopic procedures such as gastroscopy and colonoscopy.





Arak University of Medical Sciences

## School of Medicine

### *Anesthesia*

#### Key Facts



##### Foundation

School of Medicine



##### Total Duration

Specialty - 48 Months



##### Acceptable field

General Medicine (M.D)



##### Commencement

September & February

#### About

Anesthesiology is a branch of medicine in which the graduates will become competent in treatment and management (in specific distressing and life-threatening conditions), assessment, consultation, preparation of patients before anesthesia, general, regional or local, pain control and providing sedation, administration of anesthesia to patients during surgery/obstetrical procedures and diagnostic-therapeutic measures, monitoring and maintaining the physiological balance of the patients before, during, and after surgery, caring and creating comfortable, safe, and satisfactory conditions for the patients undergoing diagnostic or therapeutic procedures with or without anesthesia, intensive care and vital support for critically ill patients, cardiopulmonary resuscitation, control of acute and chronic pain in the relevant educational field.



Arak University of Medical Sciences

## School of Medicine

### *Obstetrics and gynecology*

#### Key Facts



##### Foundation

School of Medicine



##### Total Duration

Specialty - 48 Months



##### Acceptable field

General Medicine (M.D)



##### Commencement

September & February

#### About

**Obstetrics and Gynecology (commonly known as OB/GYN, OBG, O&G or Obs & Gynae) is the medical specialty that deals with obstetrics and gynecology. The postgraduate training program for both aspects is unified. An obstetrician-gynecologist, or OB-GYN, is a healthcare professional that specializes in female reproductive health. People trained as OB-GYNs specialize in both obstetrics and gynecology: obstetrics involves working with pregnant women, including delivering babies. Gynecology or gynecology is the medical practice dealing with the health of the female reproductive system.**



Arak University of Medical Sciences

## School of Medicine

### *Pediatrics*

#### Key Facts



##### Foundation

School of Medicine



##### Total Duration

Specialty - 36 Months



##### Acceptable field

General Medicine (M.D)



##### Commencement

September & February

#### About

The pediatrics curriculum emphasizes on the unique spectrum of children growth (infancy to adolescence), reviews children's normal growth and developmental events and nutritional requirements in different ages, and emphasizes the most common diseases affecting children of different ages.

More emphasis is on the role of the primary preventive measures, health education and family consultation, and mental and social aspects of the health and disease. The curriculum further highlights the importance of working as a manager or a member of the healthcare team in harmony with other sectors of the society for health promotion in children, families, and the society.



Arak University of Medical Sciences

## School of Medicine

### *Infectious diseases*

#### Key Facts



##### Foundation

School of Medicine



##### Total Duration

Specialty - 48 Months



##### Acceptable field

General Medicine (M.D)



##### Commencement

September & February

#### About

Due to continuous changes in the distribution pattern of infectious diseases in Islamic republic of Iran and throughout the world, eradication of some infectious diseases, emerging and re-emerging of diseases in the world, discovery of new organisms with specific biological characteristics, technological changes, discovery of new drugs and antibiotics, bioterrorism and biological defense, alternative treatments among people etc., the infectious diseases and tropical medicine specialty curriculum is revised.

Infectious diseases and tropical medicine is a clinical specialty program that deals with prevention, diagnosis, and treatment of diseases caused by pathogenic organisms such as different types of bacteria, viruses, parasites, fungi, and prions in different groups.



Arak University of Medical Sciences

## School of Medicine

### *Orthopedics*

#### Key Facts



##### Foundation

School of Medicine



##### Total Duration

Specialty - 48 Months



##### Acceptable field

General Medicine (M.D)



##### Commencement

September & February

#### About

**Orthopedics is a residency Training program to manage Trauma injuries, congenital malformation and acquired diseases involving bones, joints, soft tissues and spine. The amazing development in orthopedics during recent couple of years is not comparable with 35 years ago when the first orthopedics curriculum was published in Islamic Republic of Iran. Although, nowadays, there are multiple subspecialties in this field which are beneficial for only 10- 15% of orthopedics patients, the remaining 85-90% of patients should be taken care by general orthopedics specialists. In this program the fields of general orthopedics competencies and skills necessary to manage that 85-90% of population needs will be covered.**





Arak University of Medical Sciences

## School of Medicine

### *Radiologist*

#### Key Facts



##### Foundation

School of Medicine



##### Total Duration

Specialty - 48 Months



##### Acceptable field

General Medicine (M.D)



##### Commencement

September & February

#### About

**Radiology is the medical discipline that uses medical imaging to diagnose and treat diseases within the bodies of animals, including humans.**

**A radiologist is a medical doctor who specializes in diagnosing and treating diseases and injuries, using medical imaging techniques such as x-rays, computed tomography (CT), magnetic resonance imaging (MRI), nuclear medicine, positron emission tomography (PET), fusion imaging, and ultrasound.**

**Interventional radiology is the performance of usually minimally invasive medical procedures with the guidance of imaging technologies such as those mentioned above.**





Arak University of Medical Sciences

## School of Medicine

### *Emergency medicine*

#### Key Facts



**Foundation**

School of Medicine



**Total Duration**

Specialty - 48 Months



**Acceptable field**

General Medicine (M.D)



**Commencement**

September & February

#### About

Emergency medicine are of strategic importance in the health service systems. Although the complexity of medicine and attention of medical experts toward specialized issues have led to the development of specialty and subspecialty fields, these issues have also improved the quality of emergency services. The idea to establish emergency medicine came from such problems. Parallel to maintaining community based approach and considering the real needs of health system, the program has paid special attention to training of the graduates and has been developed on the basis of educational requirements. Emergency management system, unexpected event management, and pre-hospital emergency systems have been highlighted in this program.





Arak University of Medical Sciences

## School of Medicine

### *Iranian Medicine (Ph.D.)*

#### Key Facts



**Foundation**  
School of Medicine



**Total Duration**  
Ph.D. – 48 Months



**Acceptable field**  
General Medicine (M.D)



**Commencement**  
September & February

#### About

**Traditional Iranian Medicine (TIM) or Persian Medicine consists of the sum total of all the knowledge and practices used in diagnosis, prevention and elimination of diseases in Persia from ancient times to present. It is based entirely on practical experience and observations passed down from generation to generation.**





Arak University of Medical Sciences

## School of Medicine

### *Molecular medicine*

#### Key Facts



##### Foundation

School of Medicine



##### Total Duration

Ph.D. – 48 Months

Master - 24 Months



##### Acceptable field

For Ph.D. – MS.C of Molecular medicine

For Master – BS of Medical sciences



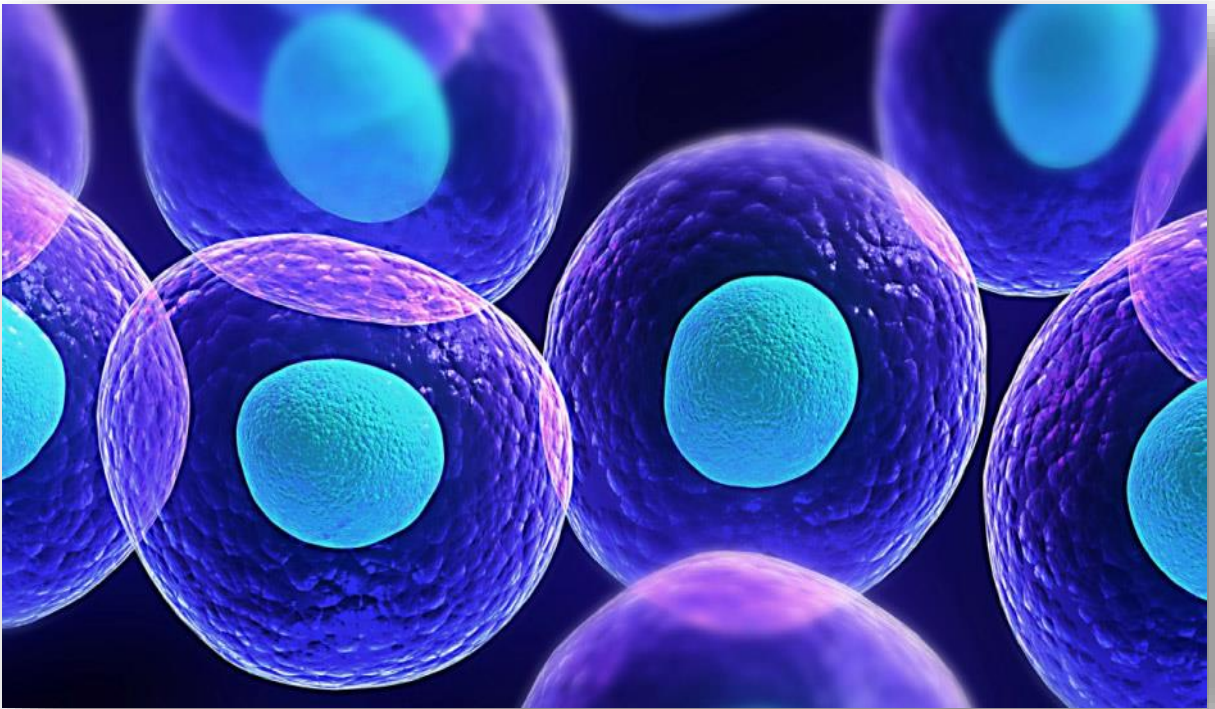
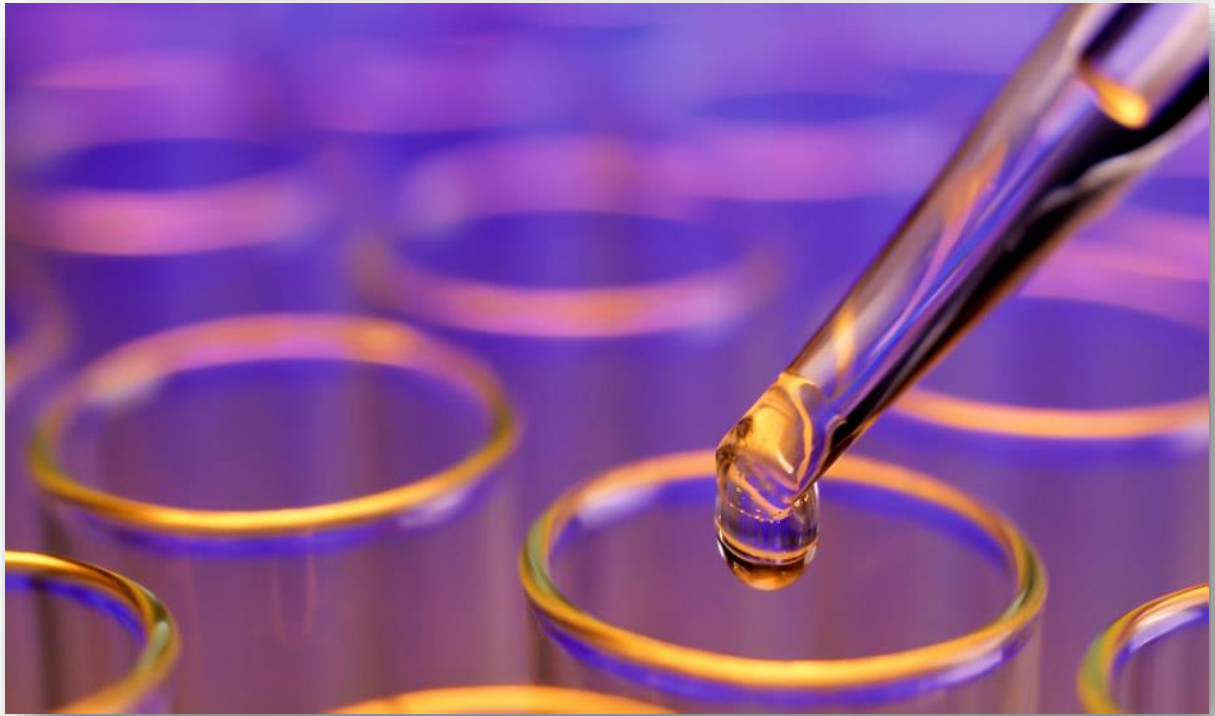
##### Commencement

September & February

#### About

**Molecular medicine is a broad field, where physical, chemical, biological, bioinformatics and medical techniques are used to describe molecular structures and mechanisms, identify fundamental molecular and genetic errors of disease, and to develop molecular interventions to correct them. Core subjects are similar to biochemistry courses and typically include gene expression, research methods, proteins, cancer research, immunology, biotechnology and many more. In some universities molecular medicine is combined with another discipline such as chemistry, functioning as an additional study to enrich the undergraduate program.**









Arak University of Medical Sciences

## School of Medicine

### *Anatomy*

#### Key Facts



##### Foundation

School of Medicine



##### Total Duration

Ph.D. – 48 Months

Master - 24 Months



##### Acceptable field

For Ph.D. – MS.C of Anatomy

For Master – BS of Medical sciences



##### Commencement

September & February

#### About

**Anatomy, a field in the biological sciences concerned with the identification and description of the body structures of living things. Gross anatomy involves the study of major body structures by dissection and observation and in its narrowest sense is concerned only with the human body. Microscopic anatomy involves the use of optical instruments in the study of the tissues of various structures, known as histology, and also in the study of cells. Anatomy is inherently tied to developmental biology, embryology, comparative anatomy, evolutionary biology, and phylogeny, as these are the processes by which anatomy is generated, both over immediate and long-term timescales.**





Arak University of Medical Sciences

## School of Medicine

### *Immunology*

#### Key Facts



##### Foundation

School of Medicine



##### Total Duration

Master - 24 Months



##### Acceptable field

BS of Medical sciences



##### Commencement

September & February

#### About

**Immunology is the study of the immune system and is a very important branch of the medical and biological sciences. The immune system protects us from infection through various lines of defense. If the immune system is not functioning as it should, it can result in disease, such as autoimmunity, allergy and cancer.**



Arak University of Medical Sciences

## School of Medicine

### *Medical Biotechnology*

#### Key Facts



##### Foundation

School of Medicine



##### Total Duration

Master - 24 Months



##### Acceptable field

BS of Medical sciences



##### Commencement

September & February

#### About

Medical biotechnology is the use of living cells and cell materials to research and produce pharmaceutical and diagnostic products that help treat and prevent human diseases. A medical technologist is an allied health professional who exercises technical and scientific functions in medical laboratories. In some countries, medical technologists may be called biomedical scientists, medical laboratory scientists or clinical laboratory scientists.







Arak University of Medical Sciences

## School of Medicine

### *Biostatistics*

#### Key Facts



##### Foundation

School of Medicine



##### Total Duration

Master - 24 Months



##### Acceptable field

BS of Medical sciences



##### Commencement

September & February

#### About

**Biostatistics are the development and application of statistical methods to a wide range of topics in biology. It encompasses the design of biological experiments, the collection and analysis of data from those experiments and the interpretation of the results. Biostatistical modeling forms an important part of numerous modern biological theories. Genetics studies, since its beginning, used statistical concepts to understand observed experimental results. Some genetics scientists even contributed with statistical advances with the development of methods and tools.**



Arak University of Medical Sciences

## School of Medicine

### *Clinical Biochemistry*

#### Key Facts



##### Foundation

School of Medicine



##### Total Duration

Master - 24 Months



##### Acceptable field

BS of Medical sciences



##### Commencement

September & February

#### About

**Clinical chemistry (also known as chemical pathology, clinical biochemistry or medical biochemistry) is the area of chemistry that is generally concerned with analysis of body fluids for diagnostic and therapeutic purposes. It is an applied form of biochemistry (not to be confused with medicinal chemistry, which involves basic research for drug development). It is the branch of science that explores the chemical processes within and related to living organisms. It is a laboratory based science that brings together biology and chemistry.**



Arak University of Medical Sciences

## School of Medicine

### *Physiology*

#### Key Facts



##### Foundation

School of Medicine



##### Total Duration

Ph.D. – 48 Months

Master - 24 Months



##### Acceptable field

For Ph.D. – MS.C of Physiology

For Master – BS of Medical sciences



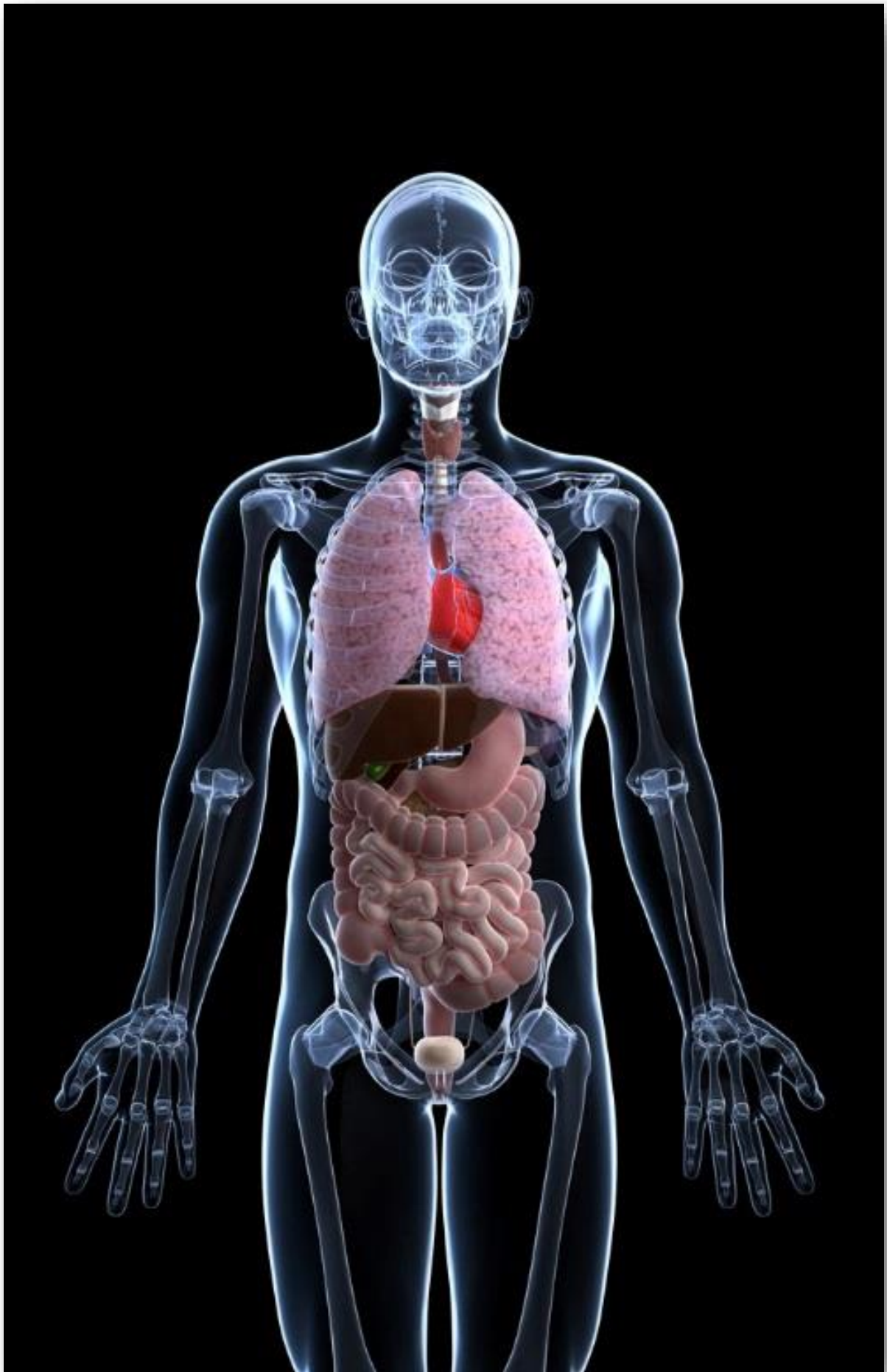
##### Commencement

September & February

#### About

**Physiology is the scientific study of functions and mechanisms in a living system. As a sub discipline of biology, physiology focuses on how organisms, organ systems, individual organs, cells, and biomolecules carry out the chemical and physical functions in a living system. Central to physiological functioning are biophysical and biochemical processes, homeostatic control mechanisms, and communication between cells. *Physiological state* is the condition of normal function, while *pathological state* refers to abnormal conditions, including human diseases.**







Arak University of Medical Sciences

## School of Medicine

### *Medical Microbiology*

#### Key Facts



##### Foundation

School of Medicine



##### Total Duration

Ph.D. – 48 Months

Master - 24 Months



##### Acceptable field

For Ph.D. – MS.C of Medical Microbiology

For Master – BS of Medical sciences



##### Commencement

September & February

#### About

**Medical microbiology, the large subset of microbiology that is applied to medicine, is a branch of medical science concerned with the prevention, diagnosis and treatment of infectious diseases. In addition, this field of science studies various clinical applications of microbes for the improvement of health. A medical microbiologist studies the characteristics of pathogens, their modes of transmission, mechanisms of infection and growth. The academic qualification as a clinical/Medical Microbiologist in a hospital or medical research center generally requires a Masters in Microbiology along with Ph.D.**



Arak University of Medical Sciences

## School of Medicine

### *History of medical sciences*

#### Key Facts



##### Foundation

School of Medicine



##### Total Duration

Master - 24 Months



##### Acceptable field

BS of Medical sciences



##### Commencement

September & February

#### About

The history of medical sciences is in fact one of the sub-branches of history that is dedicated to the study of the history of physicians, medical disciplines such as ophthalmology, surgery, pharmacy, etc. History of the discovery of diseases and drugs, medical and pharmaceutical works written in this field and everything related to medicine and pharmacy.



Arak University of Medical Sciences

## School of Medicine

### *Counseling in midwifery*

#### Key Facts



##### Foundation

School of Medicine



##### Total Duration

Master - 24 Months



##### Acceptable field

Bachelor of Midwifery



##### Commencement

September & February

#### About

**The Master of Science in “Counseling in Midwifery” is a branch of midwifery, which improves students' counseling knowledge and skills in all areas of sexual and reproductive health during different stages of women's life.**





Arak University of Medical Sciences

## School of Medicine

### *Midwifery*

#### Key Facts



##### Foundation

School of Medicine



##### Total Duration

Bachelor - 48 Months



##### Acceptable field

Secondary school diploma or equivalent



##### Commencement

September & February

#### About

Midwifery is the health science and health profession that deals with pregnancy, childbirth, and the postpartum period (including care of the newborn), in addition to the sexual and reproductive health of women throughout their lives. A professional in midwifery is known as a midwife.



## *School of Nursing*



School	Courses	Level
Nursing	Critical care nursing	Master
Nursing	Medical surgical nursing	Master
Nursing	Pediatric nursing	Master
Nursing	Nursing education	Master
Nursing	Nursing	Bachelor
Nursing	Operating room	Bachelor
Nursing	Medical emergencies	Bachelor



Arak University of Medical Sciences

## School of Nursing

### *Critical care nursing*

#### Key Facts



**Foundation**  
School of Nursing



**Total Duration**  
Master - 24 Months



**Acceptable field**  
Bachelor of Nursing



**Commencement**  
September & February

#### About

**Critical care nursing is the field of nursing with a focus on the utmost care of the critically ill or unstable patients following extensive injury surgery or life threatening diseases. Critical care nurses can be found working in a wide variety of environments and specialties, such as general intensive care units, medical intensive care units, surgical intensive care units, trauma intensive care units, coronary care units, cardiothoracic intensive care units, burns unit, pediatric and some trauma center emergency departments. These specialists generally take care of critically ill patients who require mechanical ventilation by way of endotracheal intubation and/or treatable vasoactive intravenous medications.**









Arak University of Medical Sciences

## School of Nursing

### *Medical surgical nursing*

#### Key Facts



**Foundation**  
School of Nursing



**Total Duration**  
Master - 24 Months



**Acceptable field**  
Bachelor of Nursing



**Commencement**  
September & February

#### About

**Medical - surgical nursing is a nursing specialty area concerned with the care of adult patients in a broad range of settings. The Academy of Medical-Surgical Nurses (AMSN) is a specialty nursing organization dedicated to nurturing medical-surgical nurses as they advance their careers. Traditionally, medical-surgical nursing was an entry-level position that most nurses viewed as a stepping stone to specialty areas. Medical-surgical nursing is the largest group of professionals in the field of nursing.**



Arak University of Medical Sciences

## School of Nursing

### *Pediatric nursing*

#### Key Facts



**Foundation**

School of Nursing



**Total Duration**

Master - 24 Months



**Acceptable field**

Bachelor of Nursing



**Commencement**

September & February

#### About

**Pediatric nursing is the medical care of neonates and children up to adolescence, usually in an in-patient hospital or day-clinic. Pediatrics comes from the Greek words “paedia” which means child, and “iatrike” which means physician. The main role of pediatric nurses is to administer directly procedures and medicines to children according to prescribed nursing care plans.**





Arak University of Medical Sciences

## School of Nursing

### *Nursing education*

#### Key Facts



##### Foundation

School of Nursing



##### Total Duration

Master - 24 Months



##### Acceptable field

Bachelor of Nursing



##### Commencement

September & February

#### About

Nursing education refers to formal learning and training in the science of nursing. This includes the functions and duties in the physical care of patients, and a combination of different disciplines that both accelerate the patients return to health and help to maintain them.





Arak University of Medical Sciences

## School of Nursing

### *Nursing*

#### Key Facts



**Foundation**  
School of Nursing



**Total Duration**  
Bachelor - 48 Months



**Acceptable field**  
Secondary school diploma or equivalent



**Commencement**  
September & February

#### About

**Nursing encompasses autonomous and collaborative care of individuals of all ages, families, groups and communities, sick or well, and in all settings. Nursing includes the promotion of health, prevention of illnesses, and the care of ill, disabled and dying people. Nursing is a profession within the health care sector focused on the care of individuals, families, and communities so they may attain, maintain, or recover optimal health and quality of life. Nurses may be differentiated from other health care providers by their approach to patient care, training, and scope of practice.**



Arak University of Medical Sciences

## School of Nursing

### *Operating room*

#### Key Facts



##### Foundation

School of Nursing



##### Total Duration

Bachelor - 48 Months



##### Acceptable field

Secondary school diploma or equivalent



##### Commencement

September & February

#### About

The operating room is the science of how to run an operating room suite. Operational operating room management focuses on maximizing operational efficiency at the facilities, i.e. to maximize the number of surgical cases that can be done on a given day while minimizing the required resources and related costs.



Arak University of Medical Sciences

## School of Nursing

### *Medical emergencies*

#### Key Facts



##### Foundation

School of Nursing



##### Total Duration

Bachelor - 48 Months



##### Acceptable field

Secondary school diploma or equivalent



##### Commencement

September & February

#### About

**The Emergency Medical Science (EMS) degree program trains and enables the individuals with the knowledge, skills and attributes to provide advanced emergency medical care as an entry-level paramedic for critical and emergent patients. A medical emergency is an acute injury or illness that poses an immediate risk to a person's life or long-term health, sometimes referred to as a situation risking "life or limb". These emergencies may require assistance from another, qualified person, as some of these emergencies, such as cardiovascular (heart), respiratory, and gastrointestinal cannot be dealt with by the victim themselves.**



## *School of Paramedicine*



School	Courses	Level
Para medicine	Medical Laboratory	Bachelor
Para medicine	Radiotherapy technology	Bachelor
Para medicine	Radiology technology	Bachelor
Para medicine	Anesthesiology	Bachelor





Arak University of Medical Sciences

## School of Paramedicine

### *Medical Laboratory*

#### Key Facts



##### Foundation

School of Paramedicine



##### Total Duration

Bachelor - 48 Months



##### Acceptable field

Secondary school diploma or equivalent



##### Commencement

September & February

#### About

**Clinical laboratory sciences (also known as medical technology or medical laboratory science) is a biology/chemistry-based with bachelor degree trains and enables students for exciting, challenging and dynamic careers in places such as hospitals labs and clinics, forensic labs research.**



Arak University of Medical Sciences

## School of Paramedicine

### *Radiotherapy technology*

#### Key Facts



##### Foundation

School of Paramedicine



##### Total Duration

Bachelor - 48 Months



##### Acceptable field

Secondary school diploma or equivalent

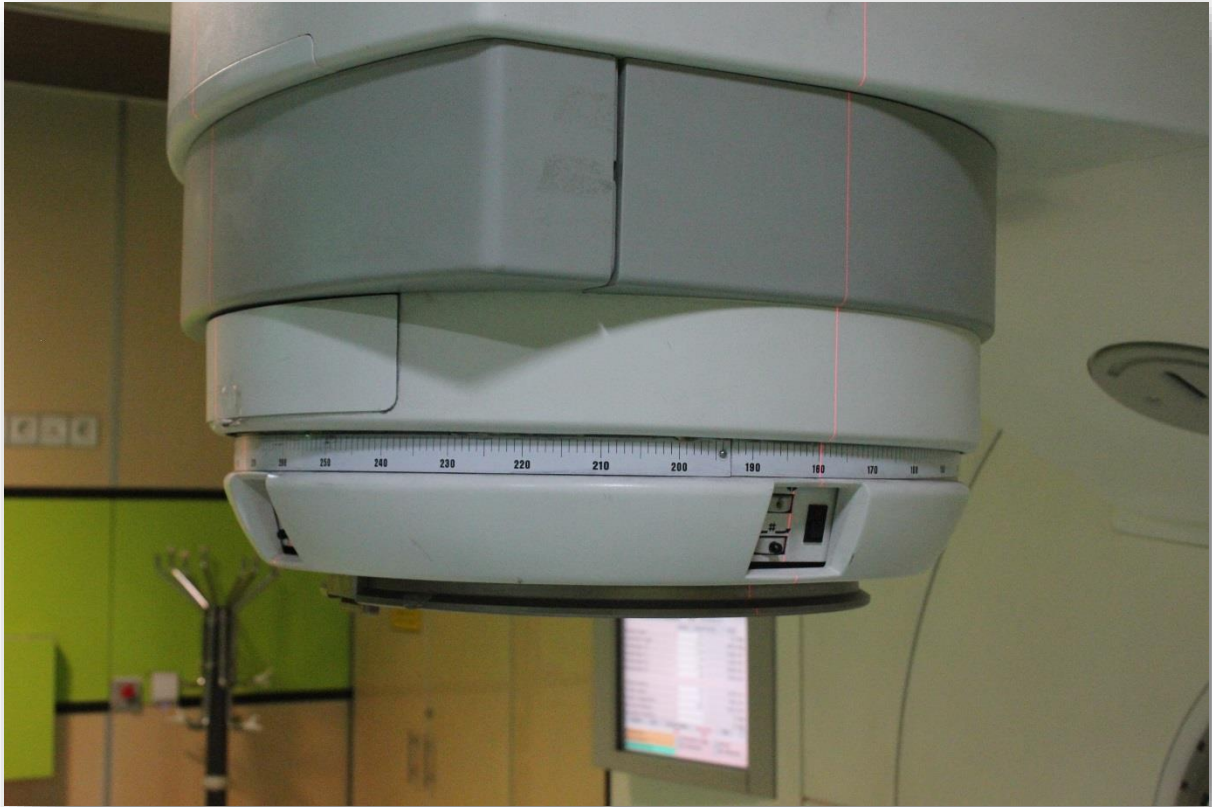


##### Commencement

September & February

#### About

**Radiation therapy (also called Radiotherapy) is a cancer treatment that uses high doses of radiation to kill cancer cells and shrink tumors. At low doses, radiation is used in X-rays to see inside your body, as with X-rays of patients' teeth or broken bones. A radiation therapist, therapeutic radiographer or radiotherapist is an allied health professional who works in the field of radiation oncology.**





Arak University of Medical Sciences

## School of Paramedicine

### *Radiology technology*

#### Key Facts



##### Foundation

School of Paramedicine



##### Total Duration

Bachelor - 48 Months



##### Acceptable field

Secondary school diploma or equivalent



##### Commencement

September & February

#### About

**Radiology is the medical discipline that uses medical imaging to diagnose and treat diseases within the human bodies.**

**Radiologic technologists are the health care professionals who perform diagnostic imaging procedures, such as X-ray examinations, magnetic resonance imaging (MRI) scans and computed tomography (CT) scans.**





Arak University of Medical Sciences

## School of Paramedicine

### *Anesthesiology*

#### Key Facts



##### Foundation

School of Paramedicine



##### Total Duration

Bachelor - 48 Months



##### Acceptable field

Secondary school diploma or equivalent



##### Commencement

September & February

#### About

**Anesthesiology (anaesthesiology, anaesthesia or anaesthetics) is in the Paramedicine field concerned with the total perioperative care of patients before, during and after surgery. An anesthesiologist is a doctor (MD or DO) who practices anesthesia. Anesthesiologists are physicians specializing in preoperative care, developing anesthetic plans, and the administration of anesthetics.**



## School of Health



School	Courses	Level
Health	Industrial and environmental pollution	Ph.D.
Health	Environmental health engineering	Ph.D.
Health	Health promotion and education	Master
Health	Environmental health engineering	Master
Health	Health promotion and education	Bachelor
Health	Nutrition science	Bachelor
Health	Public health	Bachelor
Health	Environmental health engineering	Bachelor
Health	Occupational health engineering	Bachelor



Arak University of Medical Sciences

## School of Health

### *Industrial and environmental pollution*

#### Key Facts



##### Foundation

School of Health



##### Total Duration

Ph.D. - 60 Months



##### Acceptable field

Master of Environmental health  
or similar disciplines



##### Commencement

September & February

#### About

**This course aims to advance students' abilities in applying and evaluating the physicochemical treatment processes for industrial wastewater pollution control, air pollution, and contaminated groundwater remediation, as well as to expose the student to other less frequent pollution sources, such as noise pollution.**







Arak University of Medical Sciences

## School of Health

### *Environmental Health*

#### Key Facts



##### Foundation

School of Health



##### Total Duration

Ph.D. - 60 Months



##### Acceptable field

Master of Environmental health  
or similar disciplines



##### Commencement

September & February

#### About

The aim of Environmental health is to train students in a way that they can solve problems in the field of environmental health such as water supply, water refinery, wastewater collection, wastewater treatment, air pollution, waste collection, waste disposal and etc.

It is a professional engineering science including broad scientific topics like chemistry, biology, ecology, geology, hydraulics, hydrology, microbiology, and mathematics to create solutions to improve human health and the quality of the environment. It provides solutions for a wide environmental issues and problems.



Arak University of Medical Sciences

## School of Health

### *Health promotion and education*

#### Key Facts



##### Foundation

School of Health



##### Total Duration

Master - 24 Months



##### Acceptable field

BS of Health promotion and education



##### Commencement

September & February

#### About

Health education and promotion is a profession of educating people about health. Areas within this profession encompass environmental health, physical health, social health, emotional health, intellectual health, and spiritual health, as well as sexual and reproductive health education.



Arak University of Medical Sciences

## School of Health

### *Nutrition Science*

#### Key Facts



##### Foundation

School of Health



##### Total Duration

Bachelor - 48 Months



##### Acceptable field

Secondary school diploma or equivalent



##### Commencement

September & February

#### About

**Nutritional science examines the connections between diet and health, with an emphasis on optimizing eating habits to meet an individual's nutritional needs.**

**Bachelor's programs in nutritional sciences synthesize biology, chemistry, and social science for training students to analyze how food and medicine affect the human body.**







Arak University of Medical Sciences

## School of Health

### *Public health*

#### Key Facts



##### Foundation

School of Health



##### Total Duration

Bachelor - 48 Months



##### Acceptable field

Secondary school diploma or equivalent



##### Commencement

September & February

#### About

Public health has been defined as “the science and art of preventing diseases”, prolonging life and improving quality of life through organized efforts and informed choices of society, organizations, public and private communities and individuals.



Arak University of Medical Sciences

## School of Health

### *Occupational health engineering*

#### Key Facts



##### Foundation

School of Health



##### Total Duration

Bachelor - 48 Months



##### Acceptable field

Secondary school diploma or equivalent



##### Commencement

September & February

#### About

**Occupational Health Engineering is the science that predicts, detects, evaluates, and controls risk factors and hazards existing in workplaces. It retains at high level and promotes physical, psychological and social health of workers. It also provides protection and safety against dangers caused by harmful factors in the workplace and matches and utilizes employees according to their physical and mental ability.**



## *School of Rehabilitation*



School	Courses	Level
Rehabilitation	Occupational therapy	Bachelor
Rehabilitation	Speech-language therapy	Bachelor
Rehabilitation	Audiology	Bachelor



Arak University of Medical Sciences

## School of Rehabilitation

### *Audiology*

#### Key Facts



##### Foundation

School of Rehabilitation



##### Total Duration

Bachelor - 48 Months



##### Acceptable field

Secondary school diploma or equivalent



##### Commencement

September & February

#### About

**Audiology is a branch of science that studies hearing, balance, and related disorders. Audiologists treat those with hearing loss and proactively prevent related damage.**

**Audiologists experts in the non-medical management of hearing disorders play a key role in assisting those with hearing impairments to successfully engage with society. This course will provide you with the skills, knowledge and training you will need to practice as a qualified clinical audiologist.**







Arak University of Medical Sciences

## School of Rehabilitation

### *Occupational therapy*

#### Key Facts



##### Foundation

School of Rehabilitation



##### Total Duration

Bachelor - 48 Months



##### Acceptable field

Secondary school diploma or equivalent



##### Commencement

September & February

#### About

**Occupational therapy (OT) is the use of assessment and intervention to develop, recover, or maintain the meaningful activities, or occupations, of individuals, groups, or communities. It is an allied health profession performed by occupational therapists and occupational therapy assistants (OTA). OTs often work with people with mental health problems, disabilities, injuries, or impairments.**





Arak University of Medical Sciences

## School of Rehabilitation

### *Speech and language therapy*

#### Key Facts



##### Foundation

School of Rehabilitation



##### Total Duration

Bachelor - 48 Months



##### Acceptable field

Secondary school diploma or equivalent



##### Commencement

September & February

#### About

**Speech-language pathology is a field of expertise practiced by a clinician known as a speech-language pathologist (SLP) or a speech and language therapist, both of whom may be known by the shortened description, speech therapist. SLP is considered a "related health profession" or "allied health profession" along with audiology, optometry, occupational therapy, rehabilitation psychology, physical therapy, behavior analysis and others.**







## *School of Dentistry*



School	Courses	Level
Dentistry	Dentistry	GP



Arak University of Medical Sciences

## School of Dentistry

### *Dentistry*

#### Key Facts



##### Foundation

School of Dentistry



##### Total Duration

Ph.D. - 72 Months



##### Acceptable field

Secondary school diploma or equivalent



##### Commencement

September & February

#### About

**Dentistry is a branch of medicine that is involved in the study, diagnosis, prevention, and treatment of diseases, disorders and conditions of the oral cavity, commonly in the dentition but also the oral mucosa, and of adjacent and related structures and tissues, particularly in the maxillofacial (jaw and facial) area.**











Arak University of Medical Sciences

## **Bylaw for Admission**

### **Arak University of Medical Sciences Bylaw for Admission of the Foreign Students**


To internationalize education, Arak University of Medical Sciences has seriously followed the effort to attract foreign student in the university planning to implement the internalization focuses and has prepared the necessary infrastructures and developed clinical education spaces to strengthen the scientific knowledge of the foreign students and facilitate stages of student admission as its work program. In this regard, the international relations office of the university shall facilitate admission affairs.

Arak University of Medical Sciences has currently provided the opportunity for admission of the foreign students in different fields of different basic and fellowship (Fellowship program, General practitioner (GP), Dentistry, Paramedicine, Health and Rehabilitation in under-graduate, post-graduate, General practitioner (GP), and Ph.D.).

#### **General conditions of the applicants**

1. Holding high school completion degree for the GP and Ph.D. and undergraduate applicants and holding undergraduate, postgraduate and doctoral degrees for the applicants in postgraduate, Ph.D. and postgraduate programs. The said degrees shall be approved by the educational institute where the applicant has graduated, embassy or Consulate of the Islamic Republic of Iran in the country if the applicant is admitted.

2. Familiarity with the Persian language (considering that teaching of different courses is done bilingually). Of course, in this regard, the applicants will be given the necessary facilities to participate in Persian language courses. The applicants will be introduced after final admission and enrollment in the official and authorized Persian language teaching centers for the foreign students. It is necessary to receive and submit the Persian language course completion degree for the applicants who are not familiar with this language to start studying.

- 
3. Financial ability to pay the tuition fee
  4. Not having a legal barrier to an educational residence in Iran
  5. Not having a double nationality i.e. Iranian nationality and nationality of one of the countries which are sanctioned by Iran.
  6. Having general competence of the representative of the Islamic Republic of Iran in the related country or the Ministry of Foreign Affairs.
  7. Having a valid physical and mental health certificate from the valid health and therapeutic centers approved by the Embassy of the Islamic Republic of Iran in the related country.

### **Required documents**

8-Submitting the receivable documents from the International Affairs Management and the related faculty for investigation and statement

Submitting the receivable documents from the international Affairs Management to the related faculty for investigation and statement

Deciding the applicant's study in the requested field and level considering the expert advice of the related faculty and general conditions of the applicant and if required, interviewing in the educational commission of the international relations council


Announcing the verdict of the educational commission of the international relations council to the vice-chancellorship for education and submitting the initial feedback to the applicant within 30 working days of receiving the document

Introducing the applicant to the educational services center of the Ministry of Health for statement through the vice-chancellorship for education

Enrolling the applicant and receiving the required document and some part of the tuition

Introducing the student to the vice-chancellorship for the education of the Ministry of Science to receive the student residence visa

Taking courses, paying the remaining annual tuition and starting studying in the first semester




Introducing the student to the related faculty to use the welfare services (food and dormitory)

Stages of admission of the student in Arak University of Medical Sciences

### **Completing the student admission form in the university**

1. Scanning the educational degrees in which field, date of graduation, place of education and transcript of the applicant are inserted. The score can be based on the English alphabets or percentage or GPA or general description or out of 20. Anyway, the effort will be made to allow talented and studious students to continue studying.
2. Scanning all pages of the applicant's passport
3. Scanning new photo of the applicant (which has been taken in the recent year) with high resolution
4. Presenting the motivation letter (necessary for MSc and PhD applicants). This letter should be prepared in Persian or English by all applicants in this university. In this letter, the motivation of the applicant for studying the desired field and Arak University of Medical Sciences should be mentioned. The abilities and certificates received by the applicant in different fields such as computers and software, art, sport, and different technologies should be also inserted.
5. To study the postgraduate course, at least two professors who are fully aware of education and research abilities, communication skills and creativities should present a recommendation letter.
6. The non-English speaking applicants shall present TOEFL, IELTS or MCHE certificate. The minimum scores for the said tests are 480, 5.5, and 50, respectively (this degree is required for the applicant of Ph.D. courses). In case the person lacks this degree, he/she can start studying conditionally but shall present the said degree before entering the research course(thesis).
7. The CV in which the applicant gives a complete description of his/her education, work experiences, research activities and scientific publications based on the sample in the International Affairs Management portal (this degree is required for the applicants in postgraduate studies.).





All documents shall be uploaded in the page “Apply to AUMS” on the portal of Arak University of Medical Sciences at <http://www.arakmu.ac.ir/en>. These requests will be investigated and the initial reply to the applicants will be announced based on the tracking code within 30 days after submitting the documents.



Arak University of Medical Sciences

## Admission Requirements



Cover letter



Certificate required for each major



Satisfactory academic records



Curriculum Vitae



A minimum score of 522 TOEFL PBT, 69 TOEFL iBT, 5.5 IELTS



Arak University of Medical Sciences

## How to Apply

**Prospective applicant must submit their applications  
ONLY online at:**

**<http://www.arakmu.ac.ir/en/form/372/registration>**



*Don't give up your dreams!*



Arak University of Medical Sciences

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Arak University of Medical Sciences  
International Affairs Management