

HEALTH SCIENCES CENTER
MEDICAL SURGEON

GENERAL OBJECTIVE:

Train highly competent surgeons in individual and collective health care, responding to the health care needs of current epidemiological and demographic profiles; In the prevention, healing and rehabilitation of patients, in the clinical fields, public health and research, through an interdisciplinary and multidisciplinary work, with an ethical and humanist attitude.

APPLICANT PROFILE:

According to the institutional regulations, the income profile is adjusted to the areas that are evaluated by the corresponding income exam for the curriculum of the degree in medical surgeon.

In addition, some of the desirable traits expected of the applicant for new income are presented:

- Conviction for the professional performance of the physician
- Full time availability
- Physical and mental health
- Healthy lifestyle habits
- Scientific Curiosity
- Reading habit and Study techniques
- Responsibility
- Respect for their fellow
- Ethical and moral sense
- Ability to establish interpersonal relationships
- Teamwork
- Spirit of service and sensitivity to needs of the environment
- Good behavior

EXIT PROFILE:

The exit profile of the medical surgeon's career is structured with a set of skills, knowledge, attitudes and values that the student will develop in the fields of clinical professional performance, public health and research.

Skills for:

1. Provide relevant and up-to-date information to prevent and diagnose chronic degenerative diseases in an appropriate manner.
2. Apply health programs oriented to the acquisition of suitable habits to develop healthy lifestyles of the population.
3. To identify the risks, alterations and changes of age in the healthy state and in the pathological state, as well as the co-morbidity of every age group to provide adequate multidisciplinary treatment.
4. Properly diagnose the most common psychiatric conditions for treatment and timely reference.
5. To identify and derive in a timely manner the cases of addiction and domestic violence for their integral attention.
6. Apply in the general medical consultation, all the guides of clinical practice related to the care of the pregnant woman and her complications, of the pediatric patient, of the patient with chronic degenerative diseases and of the patient with infectious process, for the diagnosis and appropriate treatment in the different pathologies.
7. To identify and timely provide initial supportive care measures to the traumatized patient to reduce the risk of sequelae and death.

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8. To engage in assertive communication with peers, patients and family members to promote a better medical-patient relationship and a better working environment.
9. Apply and evaluate the current priority programs of the health sector for Community decision-making, emphasizing the solution of the problems of our environment.
10. Properly apply the regulations governing the medical professional practice with special emphasis on the official Mexican standard on the management of the clinical dossier, for a quality medical practice.
11. To communicate, disseminate, orient and promote preventive measures of the main causes of morbidity in the population to reduce their prevalence, under a multidisciplinary work scheme.
12. To properly write research articles and protocols to assist in the resolution of priority health problems in the region and the country to contribute to the generation and dissemination of new knowledge at the global level.
13. Critically analysis both national and international medical literature to facilitate their professional performance.
14. Integrate the conceptual contents of the basic area into the clinical area.
15. Application of the regulation that regulates medical practice and legal responsibility that involves the provision of health services in institutional and private clinical practice.
16. Perform appropriately as the first or second assistant in the surgical team and assist in the resolution of diseases or more frequent conditions of surgical resolution.
17. Adequately interpret and communicate scientific texts in the native language and in the English language for use in the field of medicine.

Knowledge:

1. Macroscopic, microscopic and molecular structure of the organs and systems of the human body.
2. Function of the different apparatuses and systems of the human body in normal and pathological physical and mental state.
3. Bases and basics of diagnosis and physical examination.
4. Natural History of diseases.
5. Clinical, laboratory and cabinet parameters in normal and pathological condition.
6. Fundamentals of Medical therapy.
7. Oral and written communication techniques with your peers, superiors, patients and their families.
8. Historical evolution of Medical practice
9. Ethical criteria and secular bioethics to analysis the problems and dilemmas related to the medical work.
10. National and international Clinical practice guidelines and Official Mexican standards related to different pathologies and age groups.
11. Current priority programs in the country's health sector.
12. Regulations governing professional medical practice with special emphasis on the official Mexican standard on the management of the current clinical record.
13. Saving-core algorithms, Basic life support, advanced life support, advanced life support in trauma, neonatal resuscitation, Advanced life support in Pediatrics.
14. Fundamentals of research methodology and clinical epidemiology.
15. Evidence-based medicine.
16. Fundamentals of Forensic Sciences and legal medicine.
17. English language.

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Attitudes:

The graduate of the Medical career must act in adherence to the recognition and understanding of the essential elements of the medical profession: healing without doing more harm, relieving the pain and helping the good die for which he must act in his medical practice with:

1. Respect for the life, person and the secrecy of the medical profession
2. I respect your colleagues and co-workers.
3. Collaborative work.
4. Professional commitment.
5. Honorability.
6. Service.
7. Critical judgment and respect for differences.
8. Empathy.
9. Tolerance.
10. Fellowship.
11. Ethics.
12. Interest.

Values:

1. Responsibility and social commitment.
2. Quality.
3. Humanism.
4. Autonomy.
5. Honesty.
6. Discipline.
7. Solidarity.
8. Gender equity.

FIELD OF WORK:

The contexts in which the doctors perform correspond both to the free exercise of the profession and to organizations and institutions of the health sector, both public and private. In working conditions of dependence, collaboration, management and high direction. The localization of the organizations is urban, rural and semi rural at regional, national and international level.

Professional in surgeon medical perform in hospitals, clinics, institutes, health centers, and medical clinics among the principals.

DURATION:

Ten semesters

One year of internship undergraduate and

One year of Social Service

MEDICINE CURRICULUM

2015 PLAN CAREER 31

First semester	T	P	C	CENTER	DEPARTMENT
ANATOMY	8	6	22	BASICS SC.	MORPHOLOGY
CELLULAR BIOLOGY AND TISSUE	5	3	13	BASICS SC.	MORPHOLOGY
BIOCHEMISTRY	5	4	14	BASICS SC.	CHEMISTRY
Institutional Program of Humanist Formation					
Institutional Program of Foreign Languages					
Second semester					
MORPHOLOGY OF THE NERVOUS SYSTEM	4	2	10	BASICS SC.	MORPHOLOGY
FISIOLOGY I	5	3	13	BASICS SC.	FISIO. AND FARMA.
PRENATAL DEVELOPMENT BIOLOGY	5	2	12	BASICS SC.	MORPHOLOGY
MOLECULAR BIOLOGY	3	0	6	BASICS SC.	CHEMISTRY
INTRODUCTION. TO PUBLIC HEALTH	3	0	6	HEALTH'S SCIENCE	PUBLIC HEALTH
BIOESTADÍSTIC (EST-B11)	2	3	7	BASICS SC.	STATISTICS
Institutional Program of Humanist Formation					
Institutional Program of Foreign Languages					
Third semester					
BACTERIOLOGY AND VIROLOGY	4	2	10	BASICS SC. MICROB. AND PARASIT.	
MEDICAL PROPEDEUTIC AND SIMULATION	3	5	11	HEALTH'S SCIENCE	MEDICINE
MEDICAL PROFESSIONAL ETHICS	2	2	6	SOC. AND HUM. C.	PHILOSOPHY
PHYSIOLOGY II	5	4	14	BASICS SC.	FISIO. AND FARMA.
IMMUNOLOGY	3	2	8	BASICS SC. MICROB. AND PARASIT.	
INVESTIGATION METHODOLOGY	0	3	3	HEALTH'S SCIENCE	MEDICINE
Institutional Program of Humanist Formation					
Institutional Program of Foreign Languages					
Fourth semester					
PHARMACOLOGY	4	4	12	BASICS SC.	PHYSIO. AND FARMA.
SURGICAL TECHNIQUES	0	3	3	HEALTH'S SC.	SURGERY
ANATOMY PATHOLOGICAL	2	4	8	HEALTH 'S SC.	MEDICINE
IMAGING WORKSHOP	0	4	4	HEALTH'S SC.	SURGERY
NOSOLOGY-PATHOPHYSIOLOGY	4	4	12	HEALTH'S SC.	MEDICINE
PARASITOLOGY AND MYCOLOGY	3	2	8	BASIC 'S SC.	BACT. AND PARASIT.
EPIDEMIOLOGY	3	0	6	BASICS SC.	PUBLIC HEALTH
Institutional Program of Humanist Formation					
Institutional Program of Foreign Languages					
Fifth Semester					
NEUMOLOGY	2	2	6	HEALTH'S SC.	MEDICINE
CARDIOLOGY	2	2	6	HEALTH 'S SC.	MEDICINE
DEMATOLOGY	2	1	5	HEALTH'S SC.	MEDICINE
WORKSHOP OF METABOLIC SYNDROME	0	3	3	HEALTH 'S SC.	MEDICINE
ALLERGOLOGY	2	1	5	HEALTH'S SC.	MEDICINE
NEFROLOGY	2	1	5	HEALTH'S SC.	MEDICINE
INTEGRATION I SEMINAR	0	3	3	HEALTH'S SC.	MEDICINE
CLINICAL PRACTICE I	0	9	9	HEALTH 'S SC.	MEDICINE
sixth semester					
GASTROENTEROLOGY	2	1	5	HEALTH'S SC.	MEDICINE
ENDOCRINOLOGY	3	1	7	HEALTH 'S SC.	MEDICINE
INFECTOLOGY IN ADULT	2	1	5	HEALTH 'S SC.	MEDICINE
PSYCHIATRY	2	1	5	HEALTH 'S SC.	MEDICINE
NEUROLOGY	3	1	7	HEALTH'S SC.	MEDICINE
CLINICAL PRACTICE II	0	9	9	HEALTH 'S SC.	MEDICINE
MEDICAL PSYCHOLOGY	2	2	6	SOCIAL SC. AND HUM.	PSYCHOL.
ENVIRONMENTAL HEALTH	1	1	3	HEALTH'S SC.	PUBLIC HEALTH
OPTIONAL PROFESSIONALIZING I	3	0	3	HEALTH'S SC.	MEDICINE
Seventh Semester					
GENERAL SURGERY	2	2	6	HEALTH'S SC.	SURGERY
OTORRINOLARINGOLOGY	2	1	5	HEALTH'S SC.	SURGERY
OFTALMOLOGY	2	1	5	HEALTH'S SC.	SURGERY

ANGIOLOGY	2	0	4	HEALTH'S SC.	SURGERY
UROLOGY	2	1	5	HEALTH'S SC.	SURGERY
WORKSHOP VITAL SUPPORT	0	3	3	HEALTH'S SC.	SURGERY
CLINICAL PRACTICE III	0	9	9	HEALTH'S SC.	SURGERY
PREVENTIVE MEDICINE	3	0	6	HEALTH'S SC.	SURGERY
INTEGRATION II SEMINAR	0	3	3	HEALTH'S SC.	MEDICINE

Eighth semester

ORTHOPEDICS	3	1	7	HEALTH'S SC.	SURGERY
REHABILITATION	2	1	5	HEALTH'S SC.	SURGERY
RHEUMATOLOGY	2	1	5	HEALTH'S SC.	MEDICINE
COMMUNITY MEDICINE	0	6	6	HEALTH'S SC.	PUBLIC HEALTH
NUTRITION AND FOOD ORIENTATION	2	3	7	HEALTH'S SC.	NUTRITION
CLINICAL PRACTICE IV	0	9	9	HEALTH'S SC.	SURGERY
MEDICINE BASED IN EVIDENCES	0	3	3	HEALTH'S SC.	MEDICINE
BIOETHICS	2	2	6	HEALTH'S SC.	MEDICINE

Ninth semester

GYNECOLOGY	2	2	6	HEALTH'S SC. GYN./OBST. AND PED.	
OBSTETRICS	2	2	6	HEALTH'S SC. GYN./OBST. AND PED.	
HEMATOLOGY	2	1	5	HEALTH'S SC.	MEDICINE
ONCOLOGY	2	1	5	HEALTH'S SC.	MEDICINE
MEDICINE HISTORY	2	0	4	HEALTH'S SC.	MEDICINE
GERIATRICS	0	3	3	HEALTH'S SC.	MEDICINE
CLINICAL PRACTICE V	0	18	18	HEALTH'S SC. GYN./OBST. AND PED.	
INTEGRATION III SEMINAR	0	3	3	HEALTH'S SC.	MEDICINE

Tenth Semester

PEDIATRICS	4	2	10	HEALTH'S SC. GYN./OBST. AND PED.	
PEDIATRIC INFECTOLOGY	2	3	7	HEALTH'S SC. GYN./OBST. AND PED.	
MEDICAL GENETIC	0	3	3	HEALTH'S SC. GYN./OBST. AND PED.	
MEDICAL PRESCRIPTION WORKSHOP	0	3	3	HEALTH'S SC.	MEDICINE
FAMILY MENTAL HEALTH FAMILY	0	3	3	HEALTH'S SC.	MEDICINE
LEGAL MEDICINE	1	3	5	HEALTH'S SC.	PUBLIC HEALTH
CLINICAL PRACTICE VI	0	18	18	HEALTH'S SC. GYN./OBST. AND PED.	
OPTIONAL PROFESSIONALIZING II	3	0	3	HEALTH'S SC.	MEDICINE
WORKSHOP OF NEONATOLOGY	0	3	3	HEALTH'S SC. GYN./OBST AND PED.	

INSTITUTIONAL PROGRAMS

- Foreign Language institutional Program
- Training Humanist Institutional Program
- Academic Exchange Institutional Program
- Tutoring (Guardianship) Institutional Program

REQUIREMENTS OF DEGREE¹

The Graduate must adhere to the established in chapter XIV of the degree at the technical level, Technical Superior and bachelor. Article 156 of the general regulation of teaching that points out the following:

"Once accredited all the subjects and requisition you indicated in the plan of studies of the technical level, technical superior and medicine degree, the Graduate may request the issuance of his title in the Department of Control Escolar, after fulfilling the following elements:

- I.- To carry out with the requirements of Social Service², Humanist Training, Professional Practices³ and Foreign Languages, defined in the institutional programs;
- II.- Check that there is no debit with the Autonomous University of Aguascalientes;
- III.- Have covered the quota established in the means plan for obtaining the title; and
- IV.- Have submitted the exit exam."

1 Approved by the Honorable University Council in Ordinary session held on December 15, 2011.

2 Based on the official health sector standard.

3 Are exempted for this curriculum, the institutional program of professional practices is made mention of such exception for the careers of the center of Health Sciences, which are governed by t