

OBJECTIVE:

To train qualified Physical Therapist able to provide services to individuals and populations to develop, maintain and restore maximum movement and functional ability throughout the lifespan. This includes providing services in circumstances where movement and function are threatened by ageing, injury, disease or environmental factors, and make efforts for the social reintegration of people with ethical, scientific, humanistic, entrepreneurial and socially responsible perspective.

PROFILE OF THE ASPIRANT:

Based on institutional regulations, the applicant for undergraduate studies must apply the examination of corresponding income.

It is desirable that the applicant to enter the Degree in Physical Therapy show the following features:

- Disposition for the study of the biological sciences.
- Respect for the human condition.
- Willingness to integrate into multidisciplinary and interdisciplinary work.
- Vocation and social commitment.

PROFILE OF THE GRADUATE:

KNOWLEDGE

- Anatomy, physiology and biomechanics in the absence of disease.
- Etiopathogeny of the diseases and secondary deficiencies leading to disability.
- Methods and procedures of Physical Therapy, aimed at therapeutics for recovery functional and the integration of the disabled person into social life.
- Natural history of the disease for the design of activities aimed at the promotion and maintenance of health.
- Guidelines for evaluation, treatment, resources and techniques on which it is founded, articulated and developed the Physical Therapy, based on evidence-based medicine and the Physiotherapeutic Attention Model.
- Fundamentals and techniques for the management of institutions and services dedicated to the care and prevention in Physical Therapy.
- Ethical, legal norms and codes of practice that conform the practice of Physical Therapy.
- Research methodology as a tool to understand and solve, in a valid and reliable way, problem-solving area of Physical Therapy.

- Psychological development of people and the exercise of sexuality in the patient with disability.
- Computer programs focused on the evaluation, prevention and treatment of kinetic-functional alterations.
- English language at basic level.

Skills

- Identify risk factors and prevention of disability to prevent population increase vulnerable and thus promote the health and well-being of the individual and society.
- Design and implement programs for the rehabilitation and treatment of health conditions, based on in a Physiotherapeutic Attention Model and considering the psychological and social factors of the individual, with the purpose of contributing to the improvement of their quality of life.
- Identify the secondary deficiencies (sequelae) and physical alterations derived from any and intervene through Physical Therapy to restore the integrity of with the purpose of reincorporating the individual to the social dynamics.
- Participate in the development of programs for the formulation and development of policies that measures to prevent disability, rehabilitation and opportunities in society.
- Advise on the development and / or modifications of techniques and technologies used in Physical Therapy with the purpose of optimizing the treatments.
- Apply the bases of the scientific method in the professional activities of the rehabilitation to promote health research.
- Efficient management of health resources to optimize the functioning of the Health Units.
- Collaborate in the identification of architectural, social, school, work and recreational activities in order to establish the optimal conditions for the social integration of disability.
- Use specialized ICT and software to efficiently support prevention processes, rehabilitation and therapeutic management as well as facilitating access to information for the updating and research.
- Understand texts in the English in order to follow the cutting-edge techniques of Physical Therapy and are an important reference worldwide for the updating and innovation in the field of Physical Therapy.

ATTITUDES

- Spirit of service in the performance of its activities.
- Innovative, proactive and critical vision to the social needs related to the attention to the people with disabilities.

- Commitment and responsibility for the integration and dissemination of the bioethical principles inherent to professional activity.
- Awareness in the actions of attention to the individual and in their family environment.
- Professional improvement through updating the knowledge of the discipline.
- Respect for professional secrecy.
- Provision for teamwork.

VALUES

- Autonomy and social responsibility.
- Pluralism.
- Humanism.
- Quality.

WORK FIELD:

- Public and private hospitals and clinics.
- Integral Rehabilitation Centers.
- Government institutions of integral attention.
- Private practice.
- Assistance in programs for the disabled.
- Other Government Institutions of Social Development.
- Non-governmental organizations.
- Educational institutions.

DURATION:

Eight semesters and one year of Social Service that is carried out according to the Regulations and Guidelines in force of the Health Sector

HEALTH SCIENCE CENTER
Degree in Physical Therapy

CURRICULUM 2016

1 st Semester	Theory	Practice	Credits	Center	Dept.
Fundamentals of Anatomy	3	2	8	Basic Sc. Ctr.	Morphology
Biochemistry	5	2	12	Basic Sc. Ctr.	Chemistry
Propaedeutics of Rehabilitation	3	1	7	Health Sc. Ctr.	Surgery
Fundamentals of Nursing	2	3	7	Health Sc. Ctr.	Nursing
Introduction to Public Health	3	0	6	Health Sc. Ctr.	Public Health
Nutrition	3	0	6	Health Sc. Ctr.	Nutrition & Physical C.

Institutional Program of Foreign Languages

Institutional Program for Humanist Formation

2 nd Semester	Theory	Practice	Credits	Center	Dept.
Morphology of the Skeletal Muscle and Cardiovascular System	3	2	8	Basic Sc. Ctr.	Morphology
Physiology of Apparatus and Systems	3	3	9	Basic Sc. Ctr.	Physiology & Pharmacology
Skeletal Muscle Physiology	2	2	6	Basic Sc. Ctr.	Physiology & Pharmacology
Elementary Physics applied to Physical Therapy	3	2	8	Basic Sc. Ctr.	Maths & Physics
Developmental Psychology	3	0	6	Social & Humanities Sc. Ctr.	Psychology
General Pathology	3	2	8	Health Sc. Ctr.	Medicine

Institutional Program of Foreign Languages

Institutional Program for Humanist Formation

3 rd Semester	Theory	Practice	Credits	Center	Dept.
Nervous System Morphology	3	2	8	Basic Sc. Ctr.	Morphology
Biomechanics	4	0	8	Health Sc. Ctr.	Surgery
Neurophysiology	4	2	10	Basic Sc. Ctr.	Physiology & Pharmacology
Physiology of the Exercise	2	2	6	Basic Sc. Ctr.	Physiology & Pharmacology
Assessment in Physical Therapy	3	1	7	Health Sc. Ctr.	Surgery
Clinical Genetics	3	0	6	Health Sc. Ctr.	Gyn Obstetr & Pediatrics
Growth and Development	3	1	7	Health Sc. Ctr.	Gyn Obstetr & Pediatrics

Institutional Program of Foreign Languages

Institutional Program for Humanist Formation

HEALTH SCIENCE CENTER
Degree in Physical Therapy

4 th Semester	Theory	Practice	Credits	Center	Dept.
Physical Therapy in Neurodevelopment	2	1	5	Health Sc. Ctr.	Surgery
Therapeutic Exercises	2	2	6	Health Sc. Ctr.	Surgery
Orthopedics	4	0	8	Health Sc. Ctr.	Surgery
Electrotherapy	2	1	5	Health Sc. Ctr.	Surgery
Physical Therapy in Orthopedics	2	1	5	Health Sc. Ctr.	Surgery
Diagnostic Aids in Physical Therapy	2	2	6	Health Sc. Ctr.	Surgery
Clinical Practice I	0	15	15	Health Sc. Ctr.	Surgery

Institutional Program of Foreign Languages

Institutional Program for Humanist Formation

5 th Semester	Theory	Practice	Credits	Center	Dept.
Pathology of the Upper Motor Neuron	3	0	6	Health Sc. Ctr.	Medicine
Pathology of the Lower Motor Neuron	3	0	6	Health Sc. Ctr.	Medicine
Orthoses and Prostheses	2	2	6	Health Sc. Ctr.	Surgery
Physical Therapy in Amputees and Burns	3	2	8	Health Sc. Ctr.	Surgery
Rheumatology	3	0	6	Health Sc. Ctr.	Medicine
Research Methodology	3	2	8	Health Sc. Ctr.	Public Health
Clinical Practice II	0	15	15	Health Sc. Ctr.	Surgery

6 th Semester	Theory	Practice	Credits	Center	Dept.
Physical Therapy in Rheumatology	2	1	5	Health Sc. Ctr.	Surgery
Physical Therapy in Upper Motor Neuron	2	1	5	Health Sc. Ctr.	Surgery
Physical Therapy in Lower Motor Neuron	2	1	5	Health Sc. Ctr.	Surgery
Physical Therapy in Geriatrics	2	1	5	Health Sc. Ctr.	Surgery
Physical Therapy in Cardiopulmonary Pathology	2	1	5	Health Sc. Ctr.	Surgery
Massage and Hydrotherapy	2	2	6	Health Sc. Ctr.	Surgery
Clinical Practice III	0	15	15	Health Sc. Ctr.	Surgery

HEALTH SCIENCE CENTER
Degree in Physical Therapy

7 th Semester	Theory	Practice	Credits	Center	Dept.
Physical Therapy in Pathologies of the Hand	2	1	5	Health Sc. Ctr.	Surgery
Physical Therapy in Visual Disorders	2	1	5	Health Sc. Ctr.	Surgery
Physical Therapy in Alterations of Communication	2	1	5	Health Sc. Ctr.	Surgery
Occupational Therapy	2	1	5	Health Sc. Ctr.	Surgery
Epidemiology	3	0	6	Health Sc. Ctr.	Public Health
Professional Ethics	2	2	6	Social & Humanities Sc. Ctr.	Philosophy
Professional Optative I				Health Sc. Ctr.	Surgery
Clinical Practice IV	0	15	15	Health Sc. Ctr.	Surgery

8 th Semester	Theory	Practice	Credits	Center	Dept.
Sports Medicine	3	0	6	Health Sc. Ctr.	Surgery
Didactics and Programs Design	2	3	7	Social & Humanities Sc. Ctr.	Education
Administration	3	2	8	Economic & Administrative Sc. Ctr.	Administration
Bioethics	2	2	6	Health Sc. Ctr.	Medicine
Sexuality and Disability	4	0	8	Social & Humanities Sc. Ctr.	Psychology
Research Seminar	0	3	3	Health Sc. Ctr.	Optometry
Professional Optative II				Health Sc. Ctr.	Surgery
Clinical Practice V	0	15	15	Health Sc. Ctr.	Surgery

INSTITUTIONAL PROGRAMS

- Institutional Tutoring Program.
- Mobility and Academic Exchange.
- Institutional Program of Foreign Languages.
- Institutional Program for Humanist Formation.

DEGREE REQUIREMENTS

The graduate must adhere to what is established in chapter XIV of the degree at the technical level, technical and professional degree, article 156 of the General Teaching Regulations (NI-20300-19), which following:

Once all the subjects and requirements indicated in the Curriculum 2016 have been accredited studies of technical, technical degree and professional degree, the graduate may request the issuance of his degree in the Department of School Control, after complying with the following elements:

- I.- To have fulfilled the requirements of Social Service, Training Humanist, Professional Practices¹ and Foreign Languages, defined in Institutional Programs;
- II .- Check that there is no debts with the Universidad Autónoma de Aguascalientes;
- III.- Have covered the quota established in the plan of obtaining title; and
- IV.- Have approved the exit exam²

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1 Excepted for this curriculum, in the Institutional Program of Professional Practices mention is made of this exception for the careers of the Health Science Center that are governed by the Health Sector.

2 Approved by the H. Consejo Universitario in an ordinary session held on December 15, 2011.