

## **HEALTH SCIENCES CENTER NUTRITION DEGREE**

### **OBJECTIVE:**

To form Nutritionists, leaders in their professional field, able to work with responsibility and excellence on the diagnosis of nutritional condition, modification of food habits, as well as the implementation of food and diet programs; enhancing the ability to work as a part of a multidisciplinary group contributing on the solution of problems in the fields of clinical nutrition, community nutrition, food technology and food service industry; with ethics and humanism.

### **CANDIDATE PROFILE:**

Based on institutional regulations, nutrition degree candidate must apply for the admission test.

Next is a list of desirable qualities a candidate must possess:

- Health science interested.
- Synthetic -analytic thinking.
- Interest in reading and have satisfactory level of reading comprehension.
- Observational ability.
- Critic and self-started.
- Service attitude.
- Show respect towards others.

### **GRADUATE PROFILE:**

Next is a list of skills, values and attitudes that the students of nutrition degree should develop through their studies in the fields of clinical nutrition, community nutrition, food technology and food services:

Skills for:

- Diagnosis of collective/individual nutritional status.
- Energy calculation in order to design and elaborate meal plans.
- Prescribe standard or therapeutic diets to improve or maintain nutritional status.
- Provide guidance to modify conducts and food habits.
- Evaluate nutrition status for community levels and implement food programs.
- To fulfill current norms and regulations related to clinical and community nutrition, food technology and food services.
- Create or improve meal products to benefit people with the nutritional value or cost.
- Design, promote, manage and implement courses and programs on individuals/collective nourishment, achieving related purposes.
- To listen, speak, write and read in English emphasized on elemental academic purposes.
- Perform research on food and nutrition fields.

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Knowledge in:

- Fundamentals which explain the function of tissue, organs and devices and systems of human body emphasizing its relation humane feeding and nourishment.
- Nutrition science and its fundamentals.
- Fundamentals for treatment of individuals under healthy and pathological conditions.
- Nature of meals and its chemical, organoleptic, and nourishing properties.
- Meal preparation and consumption.
- Current norms and regulations related to population and clinical nutrition, food technology and food services.
- Political, economic, social, cultural and educational conditions that affect individual/collective feeding habits and conducts.
- Pedagogy fundamentals for teaching and learning.
- Psychological stands based on knowledge processes to unveil psychological cause of conduct.
- Epidemiology, public health and research fundamentals.
- Management stands for nutrition and feeding services.
- Method tools for collection and analysis of statistical data.
- Intermediate English level

**ATTITUDES:**

- Willing to permanent updating.
- Ethic
- Respect for human dignity.
- Of service on field.
- Teamwork disposition.

**VALUES:**

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

**FIELD OF WORK:**

The Nutrition Graduate can exercise its career at:

- ✓ Public and private hospitals.
- ✓ Public health institutions.
- ✓ Food services.
- ✓ Nutritional advice
- ✓ Investigation
- ✓ Meal Industry.
- ✓ Sports institutions.
- ✓ Assisting institutions.
- ✓ Educational institutions.
- ✓ Pharmaceutical industry.

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**DURATION:**

Eight semesters, plus one-year of Social Service.

**2015 PLAN**

**CAREER 39**

**CURRICULUM**

<b>First semester</b>	<b>T</b>	<b>P</b>	<b>C</b>	<b>CENTER</b>	<b>DEPARTMENT</b>
Morphology fundamentals	4	2	10	BASICS C.	MORPHOLOGY
General chemistry introduction	3	2	8	BASICS C.	CHEMISTRY
Basic Mathematics	3	2	8	BASICS C.	MATH AND PHYSICS
Food and nutrition history	2	1	5	SOC & HUM C.	HISTORY
Nutrition introduction	3	1	7	C. OF HEALTH	PHYS CULTURE & NUTR.
Psychology of health	2	2	6	SOC & HUM C.	PSYCHOLOGY

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**Second semester**

General Physiology	4	0	8	BASICS C.	PHYSIO AND PHARMA.
Organic chemistry	4	2	10	BASICS C.	CHEMISTRY
Feeding policies and economics	3	0	6	ECO & ADM C.	ECONOMY
Basic nutrition	3	2	8	C. OF HEALTH	PHYS CULTURE & NUTR.
Didactics	2	3	3	SOC & HUM C.	EDUCATION
Socio-anthropology	3	0	0	SOC & HUM C.	SOC. & ANTHROPOLOGY
Food and nutrition regulations	7	6	6	C. OF HEALTH	PUBLIC HEALTH

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**Third Semester**

Nutrition Physiology	4	0	8	BASICS C.	PHYSIO AND PHARMA.
Biochemistry	3	2	8	BASICS C.	CHEMISTRY
Introduction to public health	3	0	6	C. OF HEALTH	PUBLIC HEALTH
Human nutrition	3	0	6	C. OF HEALTH	PHYS CULTURE & NUTR.
Diet Calculation	3	3	9	C. OF HEALTH	PHYS CULTURE & NUTR.
Nutritional guidance	0	3	3	C. OF HEALTH	PHYS CULTURE & NUTR.
Microbiology & parasitology	3	2	8	C. BASICS	MICROBIOLOGY

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**Fourth Semester**

Nutrition Pathology I	4	0	8	C. OF HEALTH	MEDICINE
Components and food properties	3	2	6	BASICS C.	BIOCHEMIC ENGR.
Bio-statistics	2	3	7	BASICS C.	STATISTICS
Diet therapy I	3	2	8	C. OF HEALTH	PHYS CULTURE & NUTR.
Evaluation of nutritional status	2	4	8	C. OF HEALTH	PHYS CULTURE & NUTR.
Food toxicology	4	0	8	C. BASICS	PHYSIO AND PHARMA.

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**Fifth Semester**

Nutrition pathology II	4 0 8	C. OF HEALTH	MEDICINE
Food conservation	2 3 7	AGROPECUAR C.	FOOD TECH.
Epidemiology	3 0 6	C. OF HEALTH	PUBLIC HEALTH
Diet therapy II	3 2 8	C. OF HEALTH	PHYS CULTURE & NUTR.
Health research methods	2 2 6	C. OF HEALTH	PHYS CULTURE & NUTR.
Food services administration	2 3 7	ECO & ADM C.	TURISM
Pharmacology in nutrition	3 0 6	BASICS C.	PHYSIO & PHARMA

**Sixth Semester**

Community nutrition I	3 4 10	C. OF HEALTH	PHYS CULTURE & NUTR.
Pediatric pathology	3 0 6	C. OF HEALTH	GINECO-OBST & PED.
Nutritional treatment on children	2 2 6	C. OF HEALTH	PHYS CULTURE & NUTR.
Seminar for nutrition research	2 2 6	C. OF HEALTH	PHYS CULTURE & NUTR.
Sports Nutrition I	2 3 7	C. OF HEALTH	PHYS CULTURE & NUTR.
Hospital food services	2 2 6	C. OF HEALTH	PHYS CULTURE & NUTR.
Diet therapy III	3 3 9	C. OF HEALTH	PHYS CULTURE & NUTR.

**Seventh Semester**

Community nutrition II	2 4 8	C. OF HEALTH	PHYS CULTURE & NUTR.
Nutritional treatment on elders	2 2 6	C. OF HEALTH	PHYS CULTURE & NUTR.
Nutritional treatment for obesity	2 2 6	C. OF HEALTH	PHYS CULTURE & NUTR.
Sports nutrition II	2 3 7	C. OF HEALTH	PHYS CULTURE & NUTR.
Diet therapy IV	3 3 9	C. OF HEALTH	PHYS CULTURE & NUTR.
Work Ethics	2 2 6	SOC & HUM C.	PHYLOSOPHY

Optional professionalizing subject

**Eighth Semester**

Clinical Nutrition Seminar	2 3 7	C. OF HEALTH	PHYS CULTURE & NUTR.
Community nutrition seminar	2 3 7	C. OF HEALTH	PHYS CULTURE & NUTR.
Bioethics	2 2 6	C. OF HEALTH	MEDICINE
Clinical and Community practices	0 21 21	C. OF HEALTH	PHYS CULTURE & NUTR.

Optional professionalizing subject

**INSTITUTIONAL PROGRAMS**

Students must fulfill the Institutional Programs listed below, to obtain their Nutrition Degree according to the Nutrition Studies Program 2014.

- Humanist formation Institutional Program
- Promoting of Foreign Languages Institutional Program
- Tutoring program
- Academic student exchange program

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**REQUIREMENTS FOR PROFESSIONAL CERTIFICATE**

In accordance to established on chapter XIV Art. 155 & 156 of the General regulation of teaching of Universidad Autonoma de Aguascalientes listed on table #17 which identifies the next set of requirements for professional certificate attaining:

Once every single subject included in the curriculum has been covered and passed, whether it is tech level, superior technician or bachelor, the graduate can file for a professional certificate request at the department of school administration control, after fulfilling the next set of requirements:

I.-Have complied with requirements of Social Service, Humanist Formation, Professional internship, and Foreign Language established in the Institutional Programs.

II.-Be free of pending payments to Universidad Autonoma de Aguascalientes

III.-To have covered the established fee for professional certificate arbitrage; and

IV.-Have applied for the Graduation test (approved by Honor University Counsel in ordinary session held on December 25, 2011).

**Remarks:**

Social service is performed in accordance to current lineaments and regulations of Public Health Department.

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1.- Stick to public HD regulations

2.-Excepted on this Study Plan, Institutional program for professional internship mentions such exception for Health Sciences Center careers, regulated by Public DH.