In the Name of God

National Nutrition and Food Technology Research Institute

Faculty of Nutrition Sciences and Food Technology

Nutritional Sciences, MSc Degree

Total Course Credits

-Core: 20

-Non-core (Elective): 10

- Thesis: 6

Program Description

Access to nutritionally adequate, safe and healthy food is a fundamental right of all people. It is achievable if there is a balance between food intake and physical, psychological, economic and socio-cultural conditions of the community. Nutritional Sciences Graduates should possess a deep understanding of the field through in-depth study of its different aspects, at both theoretical and practical levels, which could help to promote nutritional status, health, and wellbeing of individuals and the community, thereby preventing malnutrition and the related complications. The graduate program in Nutritional Sciences, as a specialized, interdisciplinary field, provides advanced training in research, education, and community engagement issues. Nutritional science is a branch of medical sciences that aims to improve the health and wellbeing of the individuals and community to achieve sustainable development in food products and nutrition systems. The program is designed for students who wish to delve more deeply into nutritional sciences and related research.

Graduates of Nutritional Sciences (MSc) will have the ability to work in the fields of education, research, consultancy services to individuals and community and could also participate in food and nutrition program planning and policy making. The aim of MSc in Nutritional Sciences program is to educate and train professionals who can provide educational, research and consultancy services in various areas of the field, including nutritional hygiene, dietetics, community nutrition, food and nutrition planning, and nutritional care, for individuals and groups. The program is intended to achieve the optimum quality in both qualitative and quantitative research by training expert manpower in Nutritional Sciences, which could help to obtain the best possible standard in the field of food and nutrition and to reach an acceptable level in nutritional indices identified by the health care system.

Admission Requirements

Holding a bachelor's degree in nutritional sciences, food sciences and technology, anesthesia, midwifery, nursing, Physiology, Microbiology, and animal biology

Table 1- Compensatory courses

Code	UNIT NAME	UNITS	Hours			Prerequisite
			Theoretical	Practical	Total	
01	Basic nutrition 1	3	51	-	51	-
02	Basic nutrition 2	3	51		51	-
03	Principle of diet planning	2	34	-	34	-
04	Diet therapy 1	3	51	-	51	-
05	Diet therapy 2	2	34	-	34	-
Total		13	221		221	

Table 2- Core units, Nutritional Science, MSc Degree

Code	UNIT NAME	UNITS	Hours			Prerequisite
			Theoretical	Practical	Total	
06	Medical informatics	1	9	-	26	-
07	Methods in biostatistics	3	34	34	58	-
08	Nutrition research methodologies	2	34	-	34	-
09	Advanced nutritional physiology	2	34	-	34	-
10	Advanced nutrition I	3	51	-	51	-
11	Advanced nutrition II	3	51	-	51	-
12	Clinical nutrition	2	17	34	51	10, 11
13	Nutritional epidemiology	2	34	-	34	-
14	Human nutrition, current issues and controversies	2	34	-	34	10, 11
15	Seminar	1	17	-	17	10, 11
Total		20	315	68	400	

Table 3- Non-core units, Nutritional Science, MSc Degree

Code	UNIT NAME	UNITS	Hours			Prerequisite
			Theoretical	Practical	Total	
16	Food policy planning	2	34	-	34	16
17	An experiment in nutrition	2	-	68	68	17
18	Advanced nutrition terminology	2	34	-	34	18
19	Molecular biology	2	34	-	34	19
20	Pathophysiology	2	34	-	34	20
Total		10				

-Applicants to the MSc Nutritional science program are expected to complete 6 units from Non-cores.

- Completion of thesis (6 units) is required for the award of the master's degree.