

Nutrition — M.S.

Program Director

Ella Haddad

Description

The Master of Science (M.S.) degree Nutrition Program is suitable for persons planning to pursue a doctoral degree in nutrition or other related areas and for persons preparing to teach at the secondary or university level. The program provides background experience for those interested in research careers in academic or industry settings and provides advanced training in basic nutrition for physicians and other health professionals.

A minimum of 48 units are required for the M.S. degree. Two options, a thesis (research track) and a nonthesis (course work track), are available. For the research track, the student fulfills the core requirements and implements and completes a research project that culminates in either a publishable manuscript or a thesis. For the course work track, the student fulfills total unit requirements by completing courses in nutrition and by participating in an ongoing research project. A written comprehensive examination is required for both options.

Learner outcomes

The M.S. degree Nutrition Program is offered to meet the specific needs of those who desire advanced training in nutritional sciences. Upon completion of the program, graduates will:

- Understand physiological and biochemical mechanisms influencing human systems and how food and nutrients impact function.
- Understand the role of vegetarian dietary practices in human health, the environment, and ecology.
- Demonstrate the ability to conduct and publish applied research in nutrition.

Educational effectiveness indicators

Indicators of educational effectiveness include successful completion of a comprehensive examination, oral defense of a thesis project, a publishable paper, and an exit interview with the program director.

Prerequisite

- Basic nutrition
- General chemistry through organic
- Microbiology
- Physiology

* These courses can be taken concurrently with the M.S. degree program if not previously passed with a B grade or better.

Individuals who may benefit from the program

Persons who hold a baccalaureate degree in science, or physicians and other health professionals who desire the further pursuit of teaching or a doctoral degree, may benefit from the program; as well as persons who desire training in nutritional sciences to prepare them for conducting and publishing applied nutrition research.

Program requirements

Coursework track

Corequisites

Units do not count toward degree

NUTR 490	Topics in Foods and Food Preparation	1
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NUTR 504	Nutritional Metabolism	5
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Public Health

EPDM 509	Principles of Epidemiology	3
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Major

NUTR 510	Advanced Public Health Nutrition	3
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NUTR 517	Advanced Nutrition I: Carbohydrates and Lipids	4
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NUTR 518	Advanced Nutrition II: Proteins, Vitamins, and Minerals	4
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NUTR 519	Phytochemicals	2
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NUTR 527	Assessment of Nutritional Status	3
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NUTR 534	Maternal and Child Nutrition	3
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NUTR 564	Contemporary Issues of Vegetarian Diets	2
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NUTR 605	Seminar in Nutrition	1
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Religion

RELE 534	Ethical Issues in Public Health (or REL_)	3
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Electives

Choose from the following or in consultation with an advisor:		5
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HPRO 527	Obesity and Disordered Eating	
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NUTR 543	Concepts in Nutritional Epidemiology	
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NUTR 578	Exercise Nutrition	
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NUTR 585	Topics in Global Nutrition	
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STAT 515	Grant- and Contract-Proposal Writing	
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Statistics and research

NUTR 535	Research Applications in Nutrition	3
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NUTR 694	Research	3
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STAT 509	General Statistics	4
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or STAT 521	Biostatistics I	
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STAT 514	Intermediate Statistics for Health-Science Data	3
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STAT 548	Analytical Applications of SAS	2
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or STAT 549	Analytical Applications of SPSS	
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Total Units		48
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Research track

Corequisites

Units do not count toward degree

NUTR 490	Topics in Foods and Food Preparation	1
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NUTR 504	Nutritional Metabolism	5
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Public Health

EPDM 509	Principles of Epidemiology	3
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Major

NUTR 510	Advanced Public Health Nutrition	3
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NUTR 517	Advanced Nutrition I: Carbohydrates and Lipids	4
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NUTR 518	Advanced Nutrition II: Proteins, Vitamins, and Minerals	4
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NUTR 519	Phytochemicals	2
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NUTR 564	Contemporary Issues of Vegetarian Diets	2
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NUTR 605	Seminar in Nutrition	1
Religion		
RELE 534	Ethical Issues in Public Health (or REL_)	3
Electives		
Choose from the following or in consultation with advisor:		7
HPRO 527	Obesity and Disordered Eating	
NUTR 543	Concepts in Nutritional Epidemiology	
NUTR 578	Exercise Nutrition	
NUTR 585	Topics in Global Nutrition	
STAT 515	Grant- and Contract-Proposal Writing	
Statistics and research		
NUTR 539	Research Methods in Nutrition	2
NUTR 694	Research	6
STAT 514	Intermediate Statistics for Health-Science Data	3
STAT 509	General Statistics	4
or STAT 521	Biostatistics I	
STAT 548	Analytical Applications of SAS	2
or STAT 549	Analytical Applications of SPSS	
Thesis		
NUTR 695	Thesis	2
Total Units		48

Culminating experience

Included in the culminating experience are a written comprehensive examination prior to the thesis experience, one publishable paper upon completion of the thesis experience, and an exit interview with the department chair at the conclusion of the program.

Normal time to complete the program

Research Track — 1.66 year (4 academic quarters) based on full-time enrollment; part time permitted

Coursework Track — 1.66 year (6 academic quarters) based on full-time enrollment; part time permitted