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
NUTR 504 Nutritional Metabolism 5

Public Health
EPDM 509 Principles of Epidemiology 3

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

HPRO 527 Obesity and Disordered Eating 5
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 535 Research Applications in Nutrition 3
NUTR 694 Research 3
STAT 509 General Statistics 4
or STAT 521 Biostatistics I
STAT 514 Intermediate Statistics for Health-Science Data 3
STAT 548 Analytical Applications of SAS 2
or STAT 549 Analytical Applications of SPSS

Total Units 48

Research track

Corequisites
Units do not count toward degree

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

Public Health
EPDM 509 Principles of Epidemiology 3

Major
NUTR 510 Advanced Public Health Nutrition 3
NUTR 517 Advanced Nutrition I: Carbohydrates and Lipids 4
NUTR 518 Advanced Nutrition II: Proteins, Vitamins, and Minerals 4
NUTR 519 Phytochemicals 2
NUTR 564 Contemporary Issues of Vegetarian Diets 2
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

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<td>HPRO 527</td>
<td>Obesity and Disordered Eating</td>
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<td>NUTR 543</td>
<td>Concepts in Nutritional Epidemiology</td>
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<td>NUTR 585</td>
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<td>STAT 515</td>
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**Statistics and research**

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<td>or STAT 549</td>
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**Thesis**

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<td>Thesis</td>
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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