

Master of Science in Nutrition

Degree Type

Master of Science

Mission Statement

The Master of Science in Nutrition program provides advanced scientific study in human nutrition, including modes of inquiry and analysis of published research, the role of food and nutrients in health and disease and in exploring the interrelationships between people, diet, quality of life and culture in the modern food system.

Program Goals

The candidate will:

- Acquire a meaningful knowledge base of the core content areas within nutrition science;
- Differentiate between evidence-based and other sources of information in order to select, review and evaluate published research and other resources communicating nutrition science;
- Investigate the role of food and nutrition in health promotion;
- Explore aspects of the food system such as sustainability, food politics, production and distribution practices;
- Demonstrate cultural competency and professional communication skills including interpersonal, collaborative, oral, written and visual communication;
- Analyze complex issues within the food system that impact individual, community, public or global health and propose viable solutions appropriate for context, audience and available resources;
- Impact nutrition knowledge/education or food security by interacting/partnering with community stakeholders

Program of Study

The Master of Science Degree in Nutrition is a 30-48 credit hour program. The curriculum contains coursework that provides a foundation in the science of nutrition while emphasizing both theoretical concepts and practical application. Students will learn how to critically evaluate literature through an understanding of biostatistics and research methods. They will study the role of food and nutrition in human physiology, disease and well-being.

Students in this program will also investigate the impact of food policy and how to administer a variety of nutrition education programs for groups and individuals. Students apply for and are admitted into one of three tracks; Dietetics (DPD), Accelerated Community (ACT), or Accelerated Dietitian Nutritionist (ADNT).

The Dietetics track is an ACEND accredited program designed for individuals with a career goal of becoming a Registered Dietitian Nutritionist (RDN) or Nutrition and Dietetics Technician, Registered (NDTR). A verification statement will be issued to students graduating with the Dietetics (DPD) track upon meeting all requirements as stated in the MS/DPD Policies and Procedures Manual. A Verification Statement is required to apply to dietetic internship programs.

The Accelerated Community track (ACT) prepares students for career paths such as nutrition education with community food and nutrition programs, food security, non-profit work, the food system including local, organic and sustainability, food marketing and communication, and food policy and advocacy. The ACT track is designed for individuals who are not interested in becoming credentialed in the field of nutrition as an RDN or NDTR. The ACT track is also designed to broaden the knowledge base of students who completed a DPD with their nutrition undergraduate degree and/or current RDNs and to prepare individuals to work in nutrition science research or as a foundation for doctoral programs.

The Accelerated Dietitian Nutritionist Track (ADNT) designed for individuals with a career goal of becoming a registered dietitian nutritionist. The program provides a strong foundation in didactic coursework grounded in science to prepare students by integrating supervised experiential learning in clinical nutrition, community nutrition, and food

service management. A verification statement will be issued to students graduating with the Accelerated Dietitian Nutritionist (ADNT) track upon meeting all requirements as stated in the MS/ADNT Policies and Procedures Manual. This verification statement will deem the student eligible to sit for the credentialing exam to become an RDN.

Prerequisite Coursework

Applicants to the MS Degree in Nutrition program must have completed specific coursework before being considered for admission. A different set of prerequisite course are required for each of the three tracks offered.

Dietetics (Didactic Program in Dietetics) Track

The following courses must be completed before admission into the **Dietetics (DPD)** track of the MS Nutrition degree program. An overall GPA of 3.3/4.0 for all of the courses listed below is required to be considered for admission to this track.

- [BIO-112/BIO-142](#) – General Biology and Laboratory
- [BIO-339/BIO-349](#) – Anatomy & Physiology and Laboratory
- [BIO-334/BIO-344](#) – Microbiology and Laboratory
- [CHE-111/CHE-141](#) – General Chemistry I and Laboratory
- [CHE-221/CHE-241](#) – Organic Chemistry and Laboratory
- [FN-227](#) – Introductory Nutrition
- [MAT-175](#) - Introductory Statistics
- [PSY-100](#) – Introduction to Psychology

Accelerated Community Track

The following courses must be completed to be considered for admission into the **Accelerated Community (ACT)** track of the MS Nutrition degree program

- [BIO-339/BIO-349](#) – Anatomy & Physiology and Laboratory
- [CHE-111/CHE-141](#) – General Chemistry I and Laboratory
- [FN-227](#) – Introductory Nutrition
- [MAT-175](#) - Introductory Statistics

Accelerated Dietitian Nutritionist Track

The following courses must be completed to be considered for admission into the **Accelerated Dietitian Nutritionist (ADNT)** track of the MS Nutrition degree program. An overall GPA of 3.3/4.0 for all of the courses listed below is required to be considered for admission to this track.

- [BIO-112/BIO-142](#) - General Biology and Laboratory
- [BIO-339/BIO-349](#) - Anatomy & Physiology and Laboratory
- [BIO-334/BIO-344](#) - Microbiology and Laboratory
- [CHE-111/CHE-141](#) - General Chemistry I and Laboratory
- [CHE-221/CHE-241](#) - Organic Chemistry and Laboratory
- [FN-124/FN-126](#) - Principles of Foods and Laboratory (or equivalent)
- [FN-227](#) - Introductory Nutrition
- [MAT-175](#) - Introductory Statistics
- [PSY-100](#) - Introduction to Psychology

Master of Science in Nutrition

Dietetics (DPD) Track (36 credit hours)

Core Courses

Course #	Title	Credits
FNG-606	The Science of Food Preparation	3
FNG-610	Foundational Research Methods in Nutrition Science	3
FNG-613	Lifecycle Nutrition	3
FNG-622	Advanced Nutrient Metabolism	3
FNG-628	Nutrition and Food Policy	3
FNG-631	Nutrition Education	3
FNG-646	Biostatistics in Nutrition Science	3
	Sub-Total Credits	21

Capstone Courses

Course #	Title	Credits
FNG-614	Medical Nutrition Therapy, Assessment and Counseling I	4
FNG-615	Medical Nutrition Therapy, Assessment and Counseling II	4
FNG-618	Food Service Management I Laboratory	1
FNG-624	Food Service Management	3
FNG-690	Capstone: Dietetics	3
	Sub-Total Credits	15

Accelerated Community (ACT) Track (30 credit hours)

Core Courses

Course #	Title	Credits
FNG-610	Foundational Research Methods in Nutrition Science	3
FNG-628	Nutrition and Food Policy	3
FNG-631	Nutrition Education	3
FNG-636	Sustainable Food Systems	3
FNG-638	Program Planning and Evaluation	3
FNG-640	Community Food Security	3
FNG-646	Biostatistics in Nutrition Science	3
FNG-659	Culinary Medicine and Cultural Food Practices	3
FNG-685	Capstone: Community Food Security	3
	Sub-Total Credits	27

Elective Courses (3 credit hours)

Course #	Title	Credits
FNG-623	Historic Food Preservation	3
FNG-635	Gastronomy	3
	Sub-Total Credits	3

Accelerated Dietitian Nutritionist (ADNT) Track (48 credit hours)

Core Courses

Course #	Title	Credits
FNG-610	Foundational Research Methods in Nutrition Science	3
FNG-613	Lifecycle Nutrition	3
FNG-614	Medical Nutrition Therapy, Assessment and Counseling I	4
FNG-615	Medical Nutrition Therapy, Assessment and Counseling II	4
FNG-618	Food Service Management I Laboratory	1
FNG-622	Advanced Nutrient Metabolism	3
FNG-624	Food Service Management	3
FNG-628	Nutrition and Food Policy	3
FNG-629	Foundational Leadership & Professionalism	3
FNG-631	Nutrition Education	3
FNG-646	Biostatistics in Nutrition Science	3
	Sub-Total Credits	33

Experiential Learning (14 credit hours)

Course #	Title	Credits
FNG-600	Clinical Nutrition Internship Rotation	6
FNG-603	Community Nutrition - Wellness Supervised Field Experience	2
FNG-604	Community Nutrition - Public Health Supervised Field Experience	2
FNG-607	Food Service Management Internship Rotation I	2
FNG-616	Enrichment Internship Rotation	2
FNG-626	Food Service Systems	1
	Sub-Total Credits	15
	Total Credits	30-48