The M.S. Degree in Nutritional Sciences
The Master’s of Science Program in Nutritional Sciences provides students with multidisciplinary training while enabling them to focus on areas in which they are particularly interested. The M.S. program prepares students for a number of careers in health care, academia, education, wellness and other nutrition-related fields.

1. Clinical Emphasis

Courses in this area focus on nutrition support, pediatric nutrition, diabetes, renal disease and cardiovascular disease, as well as drug-nutrient interactions. This emphasis area is designed for students with a Bachelor’s degree in dietetics or nutrition. Prerequisite - B.S. in Dietetics and/or meeting ADA in Dietetics requirements for internship.

Total required credits to complete this emphasis area = 7-9 credits
- CNU 501 Nutraceuticals and Functional Foods (2 credits) - OR - CNU 502 Obesity Cell to Community (2 credits)
- NS/CNU 702 Clinical Nutrition Problem Based Case Studies (1-3 credits)
- CNU 611 Advanced Medical Nutrition Therapy (2 credits)
- CNU 612 Examination Skills for the Clinical Nutritionist (2 credits)

Total required credits to complete this emphasis area = 8 credits

2. Molecular & Biochemical Emphasis

Courses focus on molecular and biochemical approaches to nutrition in areas such as receptor and gene regulation and the alteration of regulatory biochemical pathways.

Total required credits to complete this emphasis area = 8 credits
- BCH 607 (IBS 601) Biochemistry or CHE 550 (3 credits)
- BCH 608 (IBS 602) Biochemistry or CHE 552 (3 credits)
- NS/CNU 606 Molecular Biology Applications in Nutrition (2 credits)

3. Sports & Wellness Emphasis

Courses in this area focus on disease prevention, nutrient utilization, exercise, and behavior intervention strategies for lifestyle management. This emphasis area is designed for students with a baccalaureate degree in an allied health field.

Total required credits to complete this emphasis area = 11
- NS/CNU 605 Wellness and Sports Nutrition (3 credits)
- KHP 600 Exercise Stress Testing and Prescription (3 credits)
- KHP 620 Advanced Exercise Physiology (3 credits)
- CNU 501 Nutraceuticals and Functional Foods (2 credits)

Total required credits to complete this emphasis area = 6 credits

4. Community Emphasis

For this emphasis, courses focus on economic, geographic, social and educational nutrition intervention, e.g. how to effectively assess specific populations and differences between clinical and community approaches to health.

Total required credits to complete this emphasis area = 6 credits
- This is an individualized curriculum.

Core Courses for a M.S. in Nutritional Sciences

Total Required Core Credits = 15
- Prerequisites: 200 level or equivalent physiology course
- Recommended but not required: 400 level biochemistry course
- NS/CNU 601 Integrated Nutritional Sciences Part I (3 credits)
- NS/ASC/CNU 602 Integrated Nutritional Sciences Part II (3 credits)
- NS/CNU/FRS 603 Integrated Nutritional Sciences Part III (2 credits)
- NS/CNU/FRS 704 Current Topics (1 credit)
- STA 570 Basic Statistical Analysis (4 credits) - OR - IBS 611 Practical Statistics (1 credit)
- NS/CNU 609 Ethics (1 credit)
- NS 771 Seminar in Nutritional Sciences – must be taken twice (0 credits for Plan B students, 1 credit for Plan A** students)
- NS/CNU/NFS 782 Special Problems (1-6 credits: for Plan B** students)