Department of Behavioral Health and Nutrition

Program Type:\* 

Degree Type:\* 

Program Name:\* 

Human Nutrition - Thesis (MS)

Provide a brief summary of the proposed program changes and describe the rationale for the change(s):

Feedback from graduate students indicates that students desire one single course that covers vitamin and mineral metabolism, instead of two separate courses, because it will allow students to take an additional nutrition elective in which principles of vitamin and mineral metabolism are often applied to current health issues, reinforcing core nutrition knowledge. The graduate nutrition faculty agree with this recommendation, moreover the change is consistent with MS in nutrition curriculum at other top-tier Universities (e.g., Cornell, Tufts University, University of Minnesota).

The following curriculum changes are desired:

1) Remove NTDT612 (Advanced Vitamin Metabolism) and NTDT613 (Advanced Mineral Metabolism) from the MSHN curriculum

2) Add NTDT631 (Advanced Micronutrient Metabolism) to the MSHN curriculum; NTDT631 will cover vitamin and mineral metabolism in the same course

The Nutrition Graduate Programs Committee and the entire Nutrition faculty support this recommended curriculum change. The proposed change has also been reviewed and approved by the Department of Behavioral Health and Nutrition (BHAN) Chair and Curriculum Committee.

List new courses required for the revised curriculum. How do they support the overall program objectives of the major/ minor/ concentrations)?

The following curriculum changes are desired:

1) Remove NTDT612 (Advanced Vitamin Metabolism) and NTDT613 (Advanced Mineral Metabolism) from the MSHN curriculum

2) Add NTDT631 (Advanced Micronutrient Metabolism) to the MSHN curriculum; NTDT631 will cover vitamin and mineral metabolism in the same course

The goals of the MSHN program are to produce graduate students who have:

1) Advanced knowledge of nutritional science

2) Ability to critically evaluate scientific literature

3) In depth, current knowledge in a specific area of emphasis

4) Skills for research, teaching, and leadership positions

This curriculum change will support MSHN program objectives by continuing to provide students with core knowledge in nutrition science. By allowing students to receive this core knowledge in one 3 credit course instead of two, students will be required to take an additional nutrition elective course in which principles of vitamin and mineral metabolism are often applied to the topics in that course.

Requirements For The Degree

Students accepted into the program may opt to pursue either the Thesis or Non-Thesis option for the MS in Human Nutrition

Thesis Option

The Thesis Option requires the courses below and:

completion and submission of a thesis

satisfactory performance on the oral thesis defense exam

presentation of the thesis in seminar format to the department faculty.

Prerequisites:

Inorganic Chemistry

Organic Chemistry

Biochemistry

Physiology

Nutrition (requiring biochemistry as a prerequisite)

Minimum Admission Requirements:

1000 GRE (Verbal & Quantitative) (or 297 for tests taken on or after August 1, 2011)

2.75 Cumulative GPA

3.00 GPA based on major courses

Course Requirements:

Courses

NTDT 611 Advanced Macronutrient Metabolism (3cr.)

NTDT 631 Advanced Micronutrient Metabolism (3cr)

NTDT elective(s) - Nutrition elective course(s) 6 credits

CHEM 527 Introductory Biochemistry (3cr.)

Statistics course 3 credits

Research Design course 3 credits

Elective(s) 3 credits

NTDT 665 Seminar (1 to 3cr.)

NTDT 869 Master's Thesis (1 to 6cr.)

Total Credits: 31

Title

Total Credits: 31

Description

Note: Students must successfully complete the Thesis Defense/Oral Exam as part of the requirements for the MS in Human Nutrition.

CHEM - 527 - Introductory Biochemistry (3cr.)

NTDT - 611 - Advanced Macronutrient Metabolism (3cr.)

NTDT - 631 - Advanced Micronutrient Metabolism (3cr)

NTDT - 665 - Seminar (1 to 3cr.)

NTDT - 869 - Master's Thesis (1 to 6cr.)

Preview Curriculum View Curriculum Schema View Curriculum Courses

Expected Outcomes

No Expected Outcomes