



# Nutritional Sciences

## Department of Nutrition and Exercise Physiology

### Degree Program Requirements

Degree Program Requirements include General Education courses, HES College requirements, and Professional Program courses. Electives or supportive courses complete the 120 hours required for the degree.

## GENERAL EDUCATION

- ENGLSH 1000: Exposition and Argumentation  
Two Writing Intensive courses: One must be in the major.  
Prerequisite: ENGLSH 1000

- NUTR S 4951 Research (WI) (1)

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#### \*Mathematics: 3 hours

- MATH 1100: College Algebra  
Math Reasoning Proficiency course. Prerequisite: MATH 1100 with a grade in the C range.

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#### American History or Government: 3 hours

- HIST 1100, 1200, 1400, 2210, 2440, 4000, 4220, 4230, or  
POL SC 1100, 1700, 2100

#### Distribution of Content: 27 hours

- 9 hours of Biological, Physical, and/or Mathematical Science with at least one biological or physical science and its related laboratory. Two different areas of science must be completed.

- 9 hours Social and Behavioral Sciences with at least one course from each area.

- 9 hours Humanities and/or Fine Arts including at least one course from **two** different departments. (Foreign language is an exception. A minimum of 12-13 hours of the same foreign language must be taken to fulfill the Humanities requirements.)

- Choose at least one course numbered 2000 or higher in **two** of the areas of distribution.

#### Biological, Mathematical and Physical Sciences: 9 hours

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\* These courses require a grade in the C-range.

#### Social and Behavioral Sciences: 9 hours

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#### Humanities and Fine Arts: 9 hours

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#### Capstone Experience

Completed during last two semesters of coursework.

- NUTR S 4950 Capstone: Research in Nutritional Sciences (2)

## HES COLLEGE

#### Foundation Courses: 6-7 hours

- GN HES 1100 Intro to Human Environmental Sciences (1)  
(Required for freshmen; recommended for transfer students.)
- ARCHST 1600 Fundamentals of Environmental Design (3) (WI)  
or ARCHST 4620 Environment and Behavior (3)
- FINPLN 2183 Personal and Family Finance (3) or  
FINPLN 2185 Consumer as Entrepreneur (3)
- H D FS 1600 Foundations of Family Studies (3) or  
H D FS 1610 Intimate Relationships and Marriage (3) or  
H D FS 2400 Principles of Human Development (3) (WI)
- SOC WK 1115 Social Welfare and Social Work (3) or  
SOC WK 4710 Social Justice and Social Policy (3)
- TAM 1100 Intro to Textile & Apparel Industry (3) or TAM 1300  
Softgoods Retailing (3) w, s or TAM 1400 Softgoods Consumer  
Behavior (3) w or TAM 2200 Textiles (3) f or TAM 2500 Social  
Appearance in Time and Space (3) f (WI) or TAM 2400 Global  
Consumer (3) w or TAM 3100 Fund of E-Commerce (3) f or  
TAM 3510 Survey of Western Dress (3) w (WI)

#### Communication: 3 hours

- Choose from COMMUN 1200, 3571, 3575



# NUTRITIONAL SCIENCES PROFESSIONAL PROGRAM

All \* courses must be completed with a grade of 2.0 or better. Degree Program Requirements include General Education courses, HES College requirements, and Professional Program courses. Electives or supportive courses complete the 120 hours required for the degree.

## Science Foundation (26-28 hours)

These courses also may meet General Education requirements.

- BIO SC 1500 Introduction to Biological Systems (5)
- <sup>1</sup>CHEM 1310 General Chem I (2)
- <sup>1</sup>CHEM 1320 General Chem II (3)
- CHEM 2100 Organic Chemistry I (3)
- CHEM 2110 Organic Chemistry II (3) **and**  
CHEM 2130 Organic Lab (2)
- PHYSCS 1210 College Physics I (4) **and**
- PHYSCS 1220 College Physics II (4) **or**  
PHYSCS 2750 **and** 2760 University Physics (10)

## Math & Statistics Requirements (13 hours)

These courses also may meet General Education requirements.

- MATH 1500 Analytic Geometry and Calculus I (5)
- MATH 1700 Calculus II (5)
- STAT 2500 Intro to Probability and Statistics I (3) **or**  
ESC PS 4170 Introduction to Educational Stat (3)

## Core Curriculum (33 hours)

- \*NUTR S 2340 Human Nutrition I (3)
- \*NUTR S 2450 Nutrition Throughout the Life Span (3)
- \*NUTR S 4950 Capstone: Research in Nutritional Sciences (2)
- \*NUTR S 4330 Human Nutrition II Laboratory (2)
- \*NUTR S 4340 Human Nutrition II Lecture (3)
- \*NUTR S 4951 Research (WI) (1)
- BIOCH 4270 Biochemistry (3)
- BIOCH 4272 Biochemistry (3)
- <sup>1</sup>BIO SC 2200 General Genetics (4)
- BIO SC 2300 Introduction to Cell Biology (4)
- MPP 3202 Elements of Physiology (5) **or**  
BIO SC 3700 Animal Physiology (5)

## Professional Electives (5 hours)

- BIOCH 4280 Biochem of Human Disease (3)
- BIO SC 4976 Molecular Biology (3)
- CHEM 1330 General Chemistry III with Lab (3)
- CHEM 3200 Quantitative Methods of Analysis with Lab (4)
- MICROB 3200 Intro. to Medical Microbiology & Immun. (4)
- \*NUTR S 2460 Eating Disorders (2)
- \*NUTR S 4360 Nutritional Assessment (3)
- \*NUTR S 4370 Nutrition Therapy I (3)
- \*NUTR S 4380 Nutrition Therapy II (2)

## SUMMARY

<b>General Education</b>	<b>33</b>
<b>HES College</b>	<b>6-7</b>
<b>Professional Program</b>	<b>77-79</b>
<b>General Electives</b>	<b>2-4</b>
<b>TOTAL (120 credits minimum)</b>	<b>120</b>



# Nutritional Sciences

## Sample Schedule

### FIRST YEAR - FALL SEMESTER

<sup>1</sup> American Government	3
<sup>1</sup> CHEM 1310 Gen Chem I	2
ENGLSH 1000 Expos & Argumentation	3
GN HES 1100 Intro to Human Env Sc	1
MATH 1500 Anal Geom & Calc I	<u>5</u>
<b>Total</b>	<b>14</b>

### FIRST YEAR - SPRING SEMESTER

BIO SC 1500 Intro Bio Systems	5
<sup>1</sup> CHEM 1320 Gen Chem II	3
MATH 1700 Calculus II	5
Social/Behavioral Science	<u>3</u>
<b>Total</b>	<b>16</b>

### SECOND YEAR - FALL SEMESTER

<sup>1</sup> BIO SC 2200 Gen Genetics	4
Elective	3
CHEM 2100 Organic Chemistry I	3
MPP 3202 Physiology	<u>5</u>
<b>Total</b>	<b>15</b>

### SECOND YEAR - SPRING SEMESTER

CHEM 2110 Organic Chem II Lec	5
CHEM 2130 Organic Chem II Lab	2
Elective	3
NUTR S 2340 Human Nutrition I	3
Social/Behavioral Science	<u>3</u>
<b>Total</b>	<b>16</b>

### THIRD YEAR - FALL SEMESTER

<sup>1</sup> BIOCHM 4270 Biochemistry	3
HES Foundation Courses	3
Humanities	3
PHYSICS 1210 College Physics I	4
STAT 2500 Intro to Probability I	<u>3</u>
<b>Total</b>	<b>16</b>

### THIRD YEAR - SPRING SEMESTER

Humanities	3
BIOSCI 2300 Intro to Cell Biology	3
BIOCHM 4272 Biochemistry	3
PHYSICS 1220 College Physics II	4
Elective	<u>3</u>
<b>Total</b>	<b>16</b>

### FOURTH YEAR - FALL SEMESTER

NUTR S 4330 Hum Nut II Lab	2
NUTR S 4340 Hum Nut II Lec	3
NUTR S 4950 Nut Capstone Sem.	2
Professional Electives	2-3
Electives	<u>5</u>
<b>Total</b>	<b>14-15</b>

### FOURTH YEAR - SPRING SEMESTER

<sup>1</sup> Communication	3
HES Foundation Course (WI)	3
NUTR S 2450 Nutr. Throughout the Life Span	3
NUTR S 4951 Research (WI)	1
Professional Electives	<u>3</u>
<b>Total</b>	<b>13</b>

\*Chem 1330 required for Med School Admission.

<sup>1</sup>These courses also may meet General Education requirements.



# Nutritional Sciences

## Examples of Careers Pursued by Graduates of the Program

The department curriculum prepares students for a variety of positions in business and industry, government, community service, extension, teaching, and research. This includes a range of professions in dietetics, nutrition research, nutrition and physical fitness.

### Examples of Graduates' Positions:

- Clinical Dietitians in hospital and clinics
- Community dietitians in government
- Clinical Manager for hospitals
- Consultant Dietitians for nursing homes and hospitals
- Wellness Dietitians in hospital and clinics
- Director of Dietetics
- Nutritional Services Coordinated Program at a major university
- Nutritional Representative for a major pharmaceutical company
- Program Coordinator for a district Dairy Council
- School Cafeteria Manager in large city system
- Manager in a health care corporation
- Chief, Bureau of Child and Adult Care food Program, state health department
- Medical and Dental School students

### Examples of Graduate Student Positions:

- Department chairs and faculty at major universities
- Area Extension Specialists
- Quality Control Analyst
- Director, Corporate Wellness Program
- Nutrition Consultant, own Business
- Nutritionist, U.S. Department of Agriculture
- Data Analyst for a major pharmaceutical company

### Selected Firm/Agencies by Whom Graduates are Employed:

- Women, Infant, and Children's Program
- Coca-Cola
- Ross Labs
- Cornell Medical College
- Sloan Kettering
- U.S. Army
- Beverly Enterprises