



Nutritional Sciences

Department of Nutritional Sciences

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

- ENGLISH 1000: Exposition and Argumentation
Two writing intensive courses: One must be in the major.
Prerequisite: Eng 1000

- NUTR S 4951 Research (WI) (1)

*Mathematics: 3 hours

- MATH 1120: College Algebra
Math Reasoning Proficiency course. Prerequisite: MATH 1120 with a grade in the C range.

American 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.)

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

Biological, Mathematical and Physical Sciences: 9 hours

- _____
- _____
- _____
- _____

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

Social and Behavioral Sciences: 9 hours

- _____
- _____
- _____

Humanistic Studies and Fine Arts: 9 hours

- _____
- _____
- _____

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) or
ARCHST 4620 Environment and Behavior (3)
- FINPLN 2183 Personal and Family Finance (3) or
FINPLN 2185 Consumer in Our Society (3)
- HD FS 1600 Foundations of Family Studies (3) or
HD FS 1610 Intimate Relationships and Marriage (3) or
HD FS 2400 Principles of Human Development (3)
- SOC WK 1115 Social Welfare and Social Work (3) or
SOC WK 4710 Social Justice and Social Policy (3)
- TAM 1100 Intro to the Softgoods Industry (3), TAM 1300
Softgoods Retailing (3), or TAM 1400 Softgoods Consumer
Behavior (3), or TAM 2200 Textiles (3), or TAM 2400 Global
Consumers (3), or TAM 2500 Social Appearance in Time and
Space (3), or TAM 2510 Survey of Western Dress (3), or TAM
3100 Fundamentals of E-Commerce (3)

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)
- ¹CHEM 1310 General Chem I (2)
- ¹CHEM 1320 General Chem II (3)
- CHEM 2100 Organic Chemistry I (3)
- CHEM 2110 Organic Chemistry II lec (3) **and**
CHEM 2130 Organic Chemistry II lab (2)
- PHYSCS 1210 College Physics (4) **and**
- PHYSCS 1220 College Physics (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 (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 Nutrition Capstone Seminar (2)
- *NUTR S 4330 Human Nutrition II Laboratory (2)
- *NUTR S 4340 Human Nutrition II Lecture (3)
- *NUTR S 4951 Research in Dietetics SPE (WI) (1)
- BIOCH 4270 Biochemistry I (3)
- BIOCH 4272 Biochemistry II (3)
- ¹BIO 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 (3)
- CHEM 3200 Quantitative Methods of Analysis (4)
- MICROB 3200 Intro. to Medical Microbiology (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

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



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Sample Schedule

FIRST YEAR - FALL SEMESTER

¹ American Government	3
¹ 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>
Total	14

FIRST YEAR - SPRING SEMESTER

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

SECOND YEAR - FALL SEMESTER

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

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>
Total	16

THIRD YEAR - FALL SEMESTER

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

THIRD YEAR - SPRING SEMESTER

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

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>
Total	14-15

FOURTH YEAR - SPRING SEMESTER

¹ 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>
Total	13

*Chem 1330 required for Med School Admission.

¹These 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