



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. To enter the Nutritional Sciences Program, students are required to have a minimum GPA of 2.65 and be enrolled in at least one required biology, chemistry, physics, or biochemistry course OR one required course per semester to be eligible.

GENERAL EDUCATION

*English: 3 hours

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

- NEP 4951 Research (WI) (1)

- _____

*Mathematics: 3 hours

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

- _____

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.

- The list of courses approved for the Distribution of Content may be found at this URL: <http://generaleducation.missouri.edu/requirements/>

Biological, Mathematical and Physical Sciences: 9 hours

- BIO 1500 (5) _____

- CHEM 1320 (4) _____

- _____

Social and Behavioral Sciences: 9 hours

- American Government/Political Science _____

- HP 4300 Healthcare in the US (recommended) _____

- Psych 1000 (recommended) _____

Humanities and Fine Arts: 9 hours

- COMM 1200 Public Speaking (required for degree) _____

- PHIL 2440 Medical Ethics (recommended) _____

- _____

Capstone Experience

Completed during last two semesters of coursework.

- NEP 4950 Capstone: Research in Nutritional Sciences (2)

HES COLLEGE

Foundation Courses: 6-7 hours

- ARCHST 1600 Fundamentals of Environ. Design (3)(WI), **or**
ARCHST 2100 Understanding Architecture and the American City (3), **or**

ARCHST 2323 Sustainable Building Design Fundamentals (3) (Phy Sci Lab), **or**

ARCHST 2620 People, Places, & Design (3), **or**

ARCHST 4323 Sustainable Technologies and Systems (3) (Phy Sci & MRP)

ARCHST 4430 Design with Historic Preservation (3)

- FINPLN 2183 Personal Financial Planning (3), **or**

FINPLN 4380 Assessing the American Dream (3)

- GN HES 1100 Intro to Human Environmental Sciences (1)

(Required for freshmen; recommended for transfer students.)

- HDFS 1600 Foundations of Family Studies (3), **or**

HDFS 1610 Intimate Relationships and Marriage (3), **or**

HDFS 2400 Principles of Human Development (4)(WI)

- SW 1115 Social Welfare and Social Work (3), **or**

SW 2000 Exploration in Soc. and Econ. Justice System (3), **or**

SW 4710 Social Justice and Social Policy (3)

- TAM 1200 Basic Concepts of Apparel Design and Prod. (3), **or**

TAM 1300 Softgoods Retailing (3), **or**

TAM 2200 Textiles (3), **or**

TAM 2400 Global Consumer (3), **or**

TAM 2500 Social Appearance in Time and Space (3)(WI), **or**

TAM 3510 Survey of Western Dress (3)(WI), **or**

TAM 3700 Multi-Channel Retailing (3)

Communication: 3 hours

- Choose from COMMUN 1200, 3571, 3575
(COMMUN 1200 can double dip as a Humanities requirement)

* These courses require a grade of C- or better.



NUTRITIONAL SCIENCES PROFESSIONAL PROGRAM

To enter the Nutritional Sciences Program, students are required to have a minimum GPA of 2.65 and be enrolled in at least one required biology, chemistry, physics, or biochemistry course OR one required NEP course per semester to be eligible.

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 (29 - 35 hours)

¹These courses also may meet General Education requirements.

- BIO SC 1500 Introduction to Biological Systems (5)
- ¹CHEM 1320 General Chem I (4)
- CHEM 1330 General Chemistry II (4)
- 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

- MATH 1400 Calculus for Social and Life Sciences (3) **or**
MATH 1500 Analytic Geometry and Calculus I (5)
- ESC PS 4170 Introduction to Educational Stat (3)

Communications: 3 hours

- COMMUN 1200 Public Speaking (3) (double counts as Humanities)

Core Curriculum (34 hours)

- ¹BIO SC 2200 General Genetics (4)
- BIO SC 2300 Introduction to Cell Biology (4)
- BIOCH 4270 Biochemistry (3)
- BIOCH 4272 Biochemistry (3)
- MPP 3202 Elements of Physiology (5) **or**
BIO SC 3700 Animal Physiology (5)
- *NEP 2340 Human Nutrition I (3) (sp)
- *NEP 2450 Nutrition Throughout the Life Span (3) (sp)
- *NEP 4340 Human Nutrition II Lecture (3) (f)
- *NEP 4360 Nutrition Assessment (3) (f)
- *NEP 4950 Capstone: Research in Nutr.Sciences (2) (f)
- *NEP 4951 Nutrition Research Communications (WI) (1)

Professional Electives (10 hours)

- BIOCHM 4280 Biochem of Human Disease (3)
- BIOCHM 4974 Biochemistry Lab(5)
- BIO SC 4976 Molecular Biology (3)
- CHEM 3200 Quantitative Methods of Analysis with Lab (4)
- FS 4310 Food Chemistry and Analysis (3)
- FS 4370 Food Microbiology (3)
- MATH 1700 Calculus II (5) **or**
MATH 2100 Calculus for Social and Life Sciences II (3)
- MICROB 3200 Intro. to Medical Microbiology & Immun. (4)
- MPP 4202 Medical Physiology (4)
- MPP 4204 Medical Pharmacology (5)
- *NEP 2460 Eating Disorders (2) (f)
- *NEP 3131 International Nutr & Ex Phys (study abroad) (3)
- *NEPS 4370 Nutrition Therapy I (3) (sp)
- *NEP 4380 Nutrition Therapy II (2) (f)
- *NEP 4590 Community Nutrition (3) (su)
- PTH AS 2201 Elementary Anatomy Lecture (3)

TOTAL 120 credits minimum



Nutritional Sciences Curriculum Planning Sheet

Fall I

¹ American Government	3
¹ CHEM 1320 College Chem I	4
ENGLSH 1000 Expos & Argumentation	3
GN HES 1100 Intro to Human Env Sc	1
MATH 1400 Calc for Social & Life Sci I or ² MATH 1500 Analytic Geom & Calc I	3-5
Total	14-16

Fall II

¹ BIO SC 2200 General Genetics	4
CHEM 2100 Organic Chemistry I	3
Elective	3
Humanities (recommend Phil 2440 Medical Ethics)	3
HES Foundation Course	3
Total	16

Fall III

¹ BIOCHM 4270 Biochemistry	3
MPP 3202 Human Phys. or Bio 3700 Animal Phys.	5
³ NEP 4360 Nutritional Assessment (f)	3
PHYSICS 1210 Physics I	4
Total	15

Fall IV

Elective	3
Elective	3
NEP 4340 Human Nutrition II	3
NEP 4950 Capstone: Research in Nutritional Science (f)	2
Professional Elective	3
Total	14

Spring I

BIO SC 1500 Intro Bio Systems with lab	5
CHEM 1330 College Chem II	4
Professional Electives	3-5
Social/Behavioral Science (Psych 1000)	3
Total	15-17

Spring II

Bio Sc 2300 Intro to Cell Biology	4
CHEM 2110 Organic Chem II	3
CHEM 2130 Organic Chem I Lab	2
NEP 2340 Human Nutrition I (sp)	3
Social/Behavioral Science	3
Total	15

Spring III

BIOCHM 4272 Biochemistry	3
Esc Ps 4170 Intro to Applied Stat	3
Humanities	3
NEP 2450 Nutrition Throughout the Life Span	3
PHYSICS 1220 Physics II	4
Total	16

Spring IV

¹ Comm 1200 Public Speaking	3
Elective	3
HES Foundation Course (WI)	3
NEP 4951 Nutrition Research Communication (WI) (sp)	1
Professional Electives	3
Total	13

¹These courses also may meet General Education requirements.

²Prerequisites include a grade of C- or better in Math 1160 or both 1100 & 1140 or sufficient ALEKS score.

³Prerequisites include Psych 1000