Nutritional Sciences 2007-2008

The requirements listed below pertain to all students matriculating in August 2007 and January 2008.

I. Distribution Requirements 38–43

A. Natural Sciences: Introductory Chemistry 8
Choose one of the following sequences:
CHEM 206 and 208 Introduction to General Chemistry
CHEM 207 and 208 General Chemistry
CHEM 215 and 216 General and Inorganic Chemistry

B. Social Sciences 6
An introductory course in two different social sciences. Choose one course in any two of the following areas:

Economics
ECON 101 Introductory Microeconomics OR
ECON 102 Introductory Macroeconomics

Sociology
HD 250 Families and Life Course OR
DSOC 101 Introduction to Sociology

Psychology
HD 115 Human Development OR
PSYCH 101 Introduction to Psychology

C. Humanities 3
Language credit may not be counted here (See: III.).
Includes literature, history (including art and design history), philosophy, religion, and archaeology. Critical, historical, and theoretical studies of the arts and design are considered humanities. Languages and creative or performing arts such as the writing of fiction or poetry, painting, sculpting, designing, composing or performing music, acting, directing, and dance are not considered humanities.

D. Written Communications 6
Must be First-Year Writing Seminars.
MUST BE COMPLETED DURING FIRST 2 SEMESTERS

E. Quantitative and Analytical 3–8
1. Math competency equivalent to BTRY 115 (precalculus) or MATH 100:
   a. AP of 3 or higher on AB test OR
   b. AP of 3 or higher on BC test OR
   c. Pass a math course equivalent to or higher than BTRY 115/MATH 100

2. Statistics OR advanced math
   a. Statistics: AEM 210, BTRY 301, ILRST 210, ILRST 212, MATH 171, SOC 301, PSYCH 350, or PAM 210
   b. Advanced Math: MATH 105, MATH 106, MATH 111, or MATH 112
   c. Students interested in dietetics must take a statistic course.
   d. Calculus or higher level math is generally needed for premed or grad study.

F. Additional credits 12

Organic Chemistry Lecture (6-credit minimum for premeds)
Choose one of the following:
CHEM 257 Elementary Organic Chemistry (not for premeds)
CHEM 357 and 358 Introductory Organic Chemistry
CHEM 359 and 360 Organic Chemistry

Organic Chemistry Lab
Choose one of the following:
CHEM 251 Introduction to Experimental Organic Chemistry
CHEM 301 Experimental Chemistry

Students interested in premed, or graduate study in biological/medical sciences should take:
PHYS 101 and 102 General Physics (auto-tutorial) OR
PHYS 207 and 208 Fundamentals of Physics

II. Requirements in the Major 38–43

Introductory Biology Lecture and Lab 6–8
Choose one of the following sequences:
BIOG 101 thru 104 Biological Sciences Lectures and Labs
BIOG 105 and 106 Introductory Biology (designed for bio majors)
BIOG 109 and 110 Biological Principles (not for premeds)

Nutritional Sciences Core Courses 16
NS 115 Nutrition, Health and Society
NS 245 Social Science Perspectives on Food and Nutrition
NS 331 Physiological and Biochemical Bases of Nutrition
NS 332 Methods in Nutrition
NS 345 Nutritional and Physicochemical Aspects of Food

Physiology 4
BIOAP 311 Animal Physiology OR
NS 341 Human Anatomy and Physiology
# Biochemistry

Choose **one** of the following:
- NS 320 Introduction to Human Biochemistry
- BIOBM 330 Principles of Biochemistry (auto-tutorial)
- BIOBM 331 and 332 Principles of Biochemistry
- BIOBM 331 Principles of Biochemistry and BIOMI 290 General Microbiology
- BIOBM 333 Principles of Biochemistry

## Advanced Electives in Nutrition

<table>
<thead>
<tr>
<th>Credits</th>
<th>III. Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>9 credits of NS courses at 300 level or above.</td>
</tr>
<tr>
<td></td>
<td>2. May include NS 341 if BIOAP 311 is used to fulfill the physiology requirement.</td>
</tr>
<tr>
<td></td>
<td>3. May include no more than a total of 3 credits from NS (or other) 400–403 and 499.</td>
</tr>
<tr>
<td></td>
<td>4. May not include NS 320.</td>
</tr>
</tbody>
</table>

## Economic Influences on Human Nutrition

- NS 306 Nutritional Problems of Developing Nations
- NS 445 Food Policy for Developing Nations
- NS 457 Health, Poverty, and Inequality: A Global Perspective (also Economics 374)

## Epidemiology and Public Health

- NS 450 Public Health Nutrition

## Food Quality and Food Service Management

- NS 488 Applied Dietetics in Foodservice Systems

## Human Health and Nutrition

- NS 315 Obesity and the Regulation of Body Weight (also Psychology 613)
- NS 421 Nutrition and Exercise
- NS 441 Nutrition and Disease
- NS 442 Implementation of Nutrition Care
- NS 614 Topics in Maternal and Child Nutrition

## Nutritional Biochemistry

- NS 431 Mineral Nutrition and Chronic Disease
- NS 475 Mechanisms Underlying Mammalian Developmental Defects
- NS 631 Micronutrients: Function, Homeostasis and Assessment
- NS 632 Regulation of Macronutrient Metabolism

## Psychological and Social Influences on Human Nutrition

- NS 347 Human Growth and Development: Biological and Behavioral Interactions (also Human Development 347 and Biology and Society 347)
- NS 361 Biology of Normal and Abnormal Behavior
- NS 425 Nutrition Communications and Counseling
- Other
- NS 398 Research in Human Nutrition and Health

## IV. Physical Education

Physical education does not count toward college and university minimum credit requirements for full-time status.

### Total Credits (exclusive of PE)

120

## College Requirements:

- **Students must complete a minimum of 9 HUMEC credits outside of NS.** These credits are given for any Human Ecology course outside your major from Category I, II, or III. These can be taken S/U only if course is **NOT** used to fulfill a curriculum requirement.

- **Students must complete a minimum of 40 HUMEC credits.** Hum Ec credits are given in Category II (in your major) and Category III (electives).

- **Pass/Fail Courses [S/U]**
  - S/U grading option may **NOT** be used for any required course [i.e., distribution requirements in Category I or major courses in Category II] unless it is the only grade option offered for those courses.
  - S/Us MAY be used for the 9 credits of Human Ecology coursework outside of the major and for electives in Category III.
  - Students may apply no more than 12 credits of S/U towards graduation requirements. If a required course is only offered S/U, it will not count towards this limit. Students may take more S/Us if they choose, but the additional credit will not be applied towards graduation.
  - The **deadline for changing grade options is 3 weeks** after the start of classes, the same as the “add” deadline.

- **Special Study Courses [400, 401, 402, 403]**
  - A total of 12 credits of special study course work from Human Ecology or other colleges will count towards the 120 graduation credit requirement. [Additional credits can be taken but will not be applied.]
  - A maximum of three credits of 400-402 (not including 403) may count towards the “credit outside the major” category as long as the special study is in a department outside the student’s major.
  - Students cannot TA (403) the same course for credit more than once or take and TA the same course simultaneously. 403 does not fulfill any requirements towards the major. Registration for 403 may not exceed 5 credit hours per semester.

- **Students must complete 120 credits overall, exclusive of physical education and “00” courses.**

- Elective credits can be earned in Human Ecology or elsewhere.