## Global & Public Health Sciences 2017-2018

The requirements listed below pertain to all students matriculating in August 2017 and January 2018.

### I. Distribution Requirements 37-39 Credits

#### A. Natural Sciences: Introductory Biology Lecture and Lab 8

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOG 1500 Investigative Biology Lab (F/S, 2 cr)</td>
<td></td>
<td>OR BIOSM 1500 (Summer, 3 cr) AND</td>
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<tr>
<td>Choose two out of three from the following lecture options:</td>
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<tr>
<td>(a) BIOG 1350 Introductory Biology: Cell and Development (F/S, 3 cr)</td>
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<tr>
<td>(b) BIOG 1440 Introductory Biology: Comparative Physiology (F/S, 3 cr) OR*</td>
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<td>(c) BIOG 1445 Comparative Physiology (autotutorial) (F/S, 4 cr)</td>
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<tr>
<td>(c) BIOEE 1610 Introductory Biology: Ecology and the Environment (F/S, 3 cr) OR*</td>
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*Cannot take both to fulfill this requirement

#### B. Social Sciences 6

An introductory course in two different social sciences. Choose one course in any two of the following four areas:

- **Anthropology**
  ANTHR 1400 The Comparison of Cultures

- **Economics**
  ECON 1110 Introductory Microeconomics OR ECON 1120 Introductory Macroeconomics

- **Sociology**
  DSOC 1101 Introduction to Sociology OR SOC 1101 Introduction to Sociology

- **Psychology**
  HD 1100 Lifespan Development OR HD 1150 Human Development: Infancy and Childhood OR HD 1170 Human Development: Adolescence and Emerging Adulthood OR PSYCH 1101 Introduction to Psychology

#### B. Humanities 3

Choose any course with the Course Distribution HA, LA, or CA.

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## II. Requirements in the Major 43+

### A. Introductory Chemistry 4

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 2070 General Chemistry I</td>
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</tbody>
</table>

### B. Organic Chemistry Lecture 3+

Choose one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>CHEM 1570 Introduction to Organic and Biological Chemistry OR</td>
<td></td>
<td></td>
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<tr>
<td>CHEM 3530 Principles of Organic Chemistry OR</td>
<td></td>
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<tr>
<td>CHEM 3570-3580 Organic Chemistry for the Life Sciences (must take both)</td>
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</tbody>
</table>

### C. Physiology 3-4

Choose one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOG 1440 OR 1445 Comparative Physiology (if not used for I. A)</td>
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<td></td>
</tr>
<tr>
<td>NS 1150 Nutrition, Health, and Society</td>
<td></td>
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<tr>
<td>NS 3410 Human Anatomy and Physiology</td>
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<tr>
<td>BIOAP 3110 Principles of Animal Physiology</td>
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[Note: The table cells are placeholders for the actual course information and their respective credits. The table is structured to reflect the distribution requirements and major requirements as described in the document.]
D. Biochemistry: One of following  
Choose one of the following:
NS 3200 Introduction to Human Biochemistry (F, 4 cr)
BIOMG 3300 Principles of Biochemistry (auto-tutorial) (F/S, 4 cr)
BIOMG 3310 (F, 3 cr) AND BIOMG 3320 (S, 2 cr) Principles of Biochemistry
BIOMG 3310 Principles of Biochemistry (F, 3 cr) AND BIOMI 2900 General Microbiology (F/S, 3 cr)
BIOMG 3330 Principles of Biochemistry (Su, 4 cr)
BIOMG 3350 Principles of Biochemistry (S, 4 cr)

E. Global & Public Health Core Courses  
NS 1600 Introduction to Public Health (F, 3 cr)
NS 2060 Preparation for Engaged Learning (F, 2 cr)
NS 2600 Introduction to Global Health (S, 3 cr)
NS 3600 Epidemiology (F, 3 cr)
NS 4600 Explorations in Global and Public Health (F, 3 cr)

F. Supervised Experiential Learning in Global & Public Health  
Pre-approval required. Must be largely completed before the fall semester of senior year. 
This experience may be obtained through one of several options, including (but not limited to):
- Urban semester
- Global Health Summer Programs
- Cornell in Washington
- Public Health Research and Internship
- Cornell Cooperative Extension (Tompkins County and others)

G. Specialized Selectives:  
Take at least one course from each of the following four categories (courses in DEA, FSAD, HD, NS, and PAM provide Human Ecology credit):

II.G.1. Social & Behavioral Health  
NS 2450 Social Science Perspectives on Food and Nutrition (F, 3 cr)
HD 3570 // SOC 3670 Social Inequalities in Physical and Mental Health (F, 3 cr)
PAM 3280 // DSOC 3280 Fundamentals of Population Health (F, 3 cr)
PAM 4280 // ECON 3710 The Economics of Risky Health Behaviors (S, 4 cr)
ANTHR 2468 Medicine, Culture, and Society (S, 3 cr)

II.G.2. Biological Aspects of Public Health  
NS 3060 Nutrition and Global Health (odd F, 3 cr)
NS 3150 Obesity and the Regulation of Body Weight (even S, 3 cr)
NS 4310 Mineral Nutrition and Disease (F, 3 cr)
NS 4410 Nutrition and Disease (F, 4 cr)

II.G.3. Environmental Health  
DEA 2700 Healthy Places: Design, Planning and Public Health (F, 3 cr)
DSOC 3400 Agriculture, Food Systems and Society (F, 3 cr)
BIOMI 2500 Public Health Microbiology (F, 3 cr)
BIOMI 4310 // BIOMS 4310 Medical Parasitology (F, 2 cr)
CEE 5970 // TOX 5970 Risk Analysis and Management (S, 3 cr)
COMM 2850 // STS 2851 Communication, Environment, Science & Health (S, 3 cr)
ENTOM 2100 // BSOC 2101 Plagues and People (S, 2-3 cr)
ENTOM 3070 // TOX 3070 Pesticides, the Environment, and Human Health (even Fall, 2 cr)
ENTOM 3520 Medical and Veterinary Entomology (odd F, 3 cr)
FDSC 3960 Food Safety Assurance (S, 2 cr)
ILRIC 3342 Workplace Health and Safety as a Human Right (S, 4 cr)

II.G.4. Health Policy & Management  
NS 4500 Public Health Nutrition (S, 3 cr)
NS 4570 // ECON 3910 Health, Poverty and Inequality (even Fall, 3 cr)
PAM 2350 The US Health Care System (F, 3 cr)
PAM 3110 Pharmaceutical Management and Policy (F, 3 cr)
PAM 3780 Sick Around the World? Comparing Health Care Systems Around the World (S, 3 cr)
PAM 4370 // ECON 3720 Economics of Health Care Markets (F, 3 cr)

III. Electives  
Variable

IV. Physical Education  
2
Physical Education must be completed in order to graduate. However, physical education does not count toward college and university minimum credit requirements for full-time status, nor does it count towards the 120 credits required for graduation.

Total Credits (exclusive of PE)  
120

07.20.17  
2017-2018
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 43 HUMEC credits.** Hum Ec credits are given in Category I (distribution), Category II (in your major) and Category III (electives).

- **HE non-departmental courses** at the 2000-level and below do not count toward the 43 HE credits.

- **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 the 57th calendar day of the semester, the same as the “drop” deadline.

- **Special Study Courses [4000, 4010, 4020, 4030]**
  - 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 4000-4020 (not including 4030) 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 (4030) the same course for credit more than once or take and TA the same course simultaneously. 4030 does not fulfill any requirements towards the major. Registration for 4030 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.