The requirements listed below pertain to all students matriculating in August 2008 and January 2009.

I. Distribution Requirements 39-47

A. Natural Sciences: Introductory Chemistry 8
Choose one of the following sequences:
CHEM 1560 and 2080 Introduction to General Chemistry
CHEM 2070 and 2080 General Chemistry
CHEM 2150 and 2160 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:

Anthropology
ANTHR 1400 Introduction to Anthropology: The Comparison of Cultures

Economics
ECON 1110 Introductory Microeconomics OR
ECON 1120 Introductory Macroeconomics

Psychology
HD 1150 Human Development OR
PSYCH 1101 Introduction to Psychology

Sociology
HD 2500 Families and the Life Course OR
DSOC 1101 Introduction to Sociology

C. Humanities 3
Recommended: Ethics, Philosophy
Language credit may not be counted here.
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 7–8
a. Either Statistics or Calculus must be taken at Cornell unless you have earned a score of 3 or higher on AP Calculus BC.
b. Once the above requirement is met other AP credit from Calculus AB (a score of 3 or higher) or Statistics (a score of 4 or 5) may be applied to the Quantitative and Analytical requirement if the content is not overlapping.

1. Calculus/Advanced Math
Choose one of the following:
BTRY 1150, MATH 1105, MATH 1106, MATH 1110, OR Higher level calculus
*Calculus or higher level math is generally needed for premed or grad study

2. Statistics
Choose one of the following:
AEM 2100, BTRY 3010, ILRST 2100, ILRST 2120, MATH 1710, PAM 2100, PSYCH 3500

F. Additional requirements 9–16
Courses from any natural science, social science, humanities, or mathematics courses can be counted here for remaining credits.

Organic Chemistry Lecture (6-credit minimum for premeds)
Choose one of the following sequences:
CHEM 1570 Elementary Organic Chemistry (not for premeds)
CHEM 3570 and 3580 Introductory Organic Chemistry
CHEM 3590 and 3600 Organic Chemistry

Organic Chemistry Lab
Choose one of the following:
CHEM 2510 Introduction to Experimental Organic Chemistry
CHEM 3010 Experimental Chemistry

Physics
PHYS 1101 General Physics I OR
PHYS 2207 Fundamentals of Physics

In addition, if premed or interested in graduate study in prephysical therapy/exercise sciences, then take one of the following:
PHYS 1102 General Physics II OR
PHYS 2208 Fundamentals of Physics
II. Requirements in the Major 37–42

A. Biology Foundation Courses
(NS courses count toward 40 required HUMEC credits)

Introductory Biology Lecture and Lab 6-8
Choose one of the following sequences:
BIOG 1101 thru 1104 Biological Sciences Lectures and Labs
BIOG 1105 and 1106 Introductory Biology
BIOG 1109 and 1110 Biological Principles (not for premeds)

Physiology 3-4
BIOAP 3110 Animal Physiology OR
NS 3410 Human Anatomy and Physiology

Biochemistry 4-6
Choose one of the following:
NS 3200 Introduction to Human Biochemistry
BIOBM 3300 Principles of Biochemistry
BIOBM 3310 and 3320 Principles of Biochemistry
BIOBM 3310 Principles of Biochemistry and BIOMI 2900 General Microbiology
BIOBM 3330 Principles of Biochemistry

Biology Electives 6
(6 additional credits selected from didactic courses in the following areas that relate to human biology and require one year of introductory biology. May not include Special Studies (e.g., NS 4000, 4010, 4020, 4030) or independent research credits (e.g., NS 4990).

• Genetics, recommended (including BIOGD 2800, 2810 or 2820)
• Microbiology (including BIOMI 2900, if not used for Biochem req. and VETMI 4310)
• Neurobiology (including BIONB 2210, 2220 and 4280)
• Evolution (including NS 2750)
• Cell Biology (including BIOBM 4320)
• Physiology (including BIOAP 4890. May use NS 3410 or BIOAP 3110 if both are taken)
• Biochemistry (may not include BIOBM 3300, 3310, or 3320, or NS 3200) (e.g. BIOBM 4390, NS 3310 - if NS 3310 is not used as a HBHS Selective)
• Nutrition (may use NS 2220, 3470, 3610, 4310, 4410 – if these are not used as a HBHS Selective)

B. Survey Course
Introduction to HBHS and Nutrition 3
NS 1150 Nutrition, Health and Society

C. HBHS Selectives: Students must take a total of 15 credits as broken down in the following categories and are encouraged to choose at least one course on development (+), policy (*), and professional problem-solving (^). In addition, three (3) of these 15 credits must be from a Nutritional Science (NS) Course.

C.1. Social Science Perspective on Health 6
^ NS 2450 Social Science Perspectives on Food and Nutrition
^ HS 4500 Public Health Nutrition
^ NS 4570 Health, Poverty, and Inequality: A Global Perspective
+ HD 2160 Human Development: Adolescence and Youth
+ HD 2180 Human Development: Adulthood and Aging
+ HD 2510 Social Gerontology: Aging and the Life Course
+ HD 3130 Problematic Behavior in Adolescence
HD 3570/SOC 3670 Social Inequalities in Physical and Mental Health
HD 3620 Human Bonding
+ HD 3700/PSYCH 3250 Adult Psychopathology
+ HD 3710 Child Development and Psychopathology
HD 4510 Nontraditional Families and Troubled Families
PAM 3410 Economics of Consumer Law
PAM 3500 Contemporary Issues in Women's Health
^* PAM 4230 Risk Management and Policy
* PAM 4350 The U.S. Health Care System

C.2. Natural Science Perspective on Health 6
+ NS 2220 Maternal and Child Nutrition
+ NS 2750 Human Biology and Evolution
NS 3310 Physiological and Biochemical Bases of Human Nutrition
^ NS 3320 Methods in Nutritional Sciences
NS 3450 Introduction to Physicochemical and Biological Aspects of Food
NS 4210 Nutrition and Exercise
NS 4310 Mineral Nutrition and Chronic Disease
NS 4410 Nutrition and Disease
^ NS 4420 Implementation of Nutrition Care
+ NS 4750 Mechanisms Underlying Mammalian Developmental Defects
NS 6140 Topics in Maternal and Child Nutrition
NS 6310 Micronutrients: Function, Homeostasis and Assessment
NS 6320 Regulation of Macronutrient Metabolism
HD 2200 The Human Brain and Mind: Biological Issues in Human Development
HD 3200 Human Development Neuropsychology
HD 3660 Emotional Functions of the Brain
+ HD 3440 Infant Behavior and Development
HD 4660 Psychobiology of Temperament and Personality

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C.2. Natural Science Perspective on Health (continued)

^ DEA 4700 Applied Ergonomic Methods
PAM 3800 Human Sexuality
FSAD 4390 Biomedical Materials and Devices for Human Body

C.3. Additional Credits
Includes courses from either of the above categories or from the following:

^ NS 3060 Nutritional Problems of Developing Nations
NS 3150 Obesity and Regulation of Body Weight
C.4700/HD 3470 Human Growth and Development: Biological and Behavioral Interactions
NS 3610 Biology of Normal and Abnormal Behavior
^ CHE Special Studies 4000, 4010, and 4020

III. Electives
Variable

IV: Physical Education
2
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/HBHS. 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).

• Pass/Fail Courses [S/U]
  o 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.
  o S/Us MAY be used for the 9 credits of Human Ecology coursework outside of the major and for electives in Category III.
  o 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.
  o The deadline for changing grade options is 3 weeks after the start of classes, the same as the “add” deadline.

• Special Study Courses [4000, 4010, 4020, 4030]
  o 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.]
  o 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.
  o 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.