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

I. Distribution Requirements

A. Natural Sciences:
You must take two from the following and all sciences MUST have a LAB component. HD requires that one be a biology course but recommends that students take two biology courses.

- BIO G 1101-1103* or BIO G 1105 or BIO G 1110
- CHEM 1560 or CHEM 2070
- BIO G 1102-1104* or BIO G 1106 or BIO G 1109
- CHEM 2080
- PHYS 1101 or PHYS 2207 or PHYS 1112
- CHEM 2150
- PHYS 1102 or PHYS 2208 or PHYS 2213
- CHEM 2160

*The combinations BIO G 1101-1103 and BIO G 1102-1104 each count as a single course.

B. Social Sciences
Any two courses chosen from the following departments: Psychology, Sociology, Development Sociology, Anthropology, Economics or Government.

Note: 1) Courses cross-listed with Human Development cannot be used to fulfill this requirement. 2) You cannot receive credit for both DSOC 1101 and SOC 1101.

C. Humanities**
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.

**HD strongly recommends that students who plan to complete the HD Honors Program requirements (see III.B. below) take a course in health and medical ethics (e.g. BSOC/STS 2051) to fulfill this requirement.

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

E. Quantitative and Analytical
Statistics** (must be taken at Cornell, AP Statistics is not accepted)
Choose one of the following:
- AEM 2100, BTRY 3010, ILRST 2100, ILRST 2120, MATH 1710, PAM 2100
- PSYCH 3500

**HD strongly recommends that students who plan to complete the HD Honors Program requirements (see III.B. below) take either PSYCH 3500 or PAM 2100 to fulfill this requirement. The HD Honors Program also requires a second semester of statistics.

F. Additional requirements
Any natural science, social science, humanities, language, or mathematics course can be counted here.

II. Requirements in the Major

A. Structural Principles
1. Must complete 30 credits of Human Development didactic courses, letter grade only (HD 4000, 4010, 4020, 4030, 4400, 4980, and 4990 are not didactic courses and do not fulfill any requirements for the major).
2. HD 1150 is required.
3. Students must take a total of two foundation courses in Human Development.
4. Must complete at least 12 credits in Human Development didactic courses at the 3000 and 4000 level; 3 of these credits must be at the 4000 level.
5. Must complete a concentration in one of four areas of Human Development (listed below):
   - A concentration must have both depth and breadth.
   - A concentration consists of a minimum of three classes: a designated foundation class in the concentration, plus two additional courses at the 3000 or 4000 level.
   - Students are strongly encouraged to take more than three courses in their chosen concentration. Students must contact the Assistant Registrar by junior year to declare a concentration.
6. Must complete at least one course outside the declared concentration, other than the required foundation course in that concentration.
B. Areas of Concentration

**Cognitive Development**
- HD 2200 Human Brain and Mind
- HD 2300 Cognitive Development
- HD 2380 Thinking and Reasoning
- HD 2330 Children and the Law
- HD 3110 Educational Psychology
- HD 3190 Memory and the Law
- HD 3200 Human Developmental Neuropsychology
- HD 3340 Growth of the Mind
- HD 3360 Connecting Social, Cognitive, and Emotional Development
- HD 3370 Language Development
- HD 4200 Risk and Rational Decision Making
- HD 4310 Mind, Self, and Emotion
- HD 4320 Cognitive, Social, and Developmental Aspects of Scientific Reasoning
- HD 4330 Developmental Cognitive Neuroscience
- HD 4340 Current Topics in Cognitive Development
- HD 4370 Lab Course: Language Development
- HD 4440 Parenting and Child Development
- HD 4740 Autism and the Development of Social Cognition

**Biology and Human Development**
- HD 2200 Human Brain and Mind
- HD 3200 Human Developmental Neuropsychology
- HD 3440 Infant Behavior and Development
- HD 3470 Human Growth and Development: Biological and Behavioral Interactions
- HD 3660 Emotional Functions of the Brain
- HD 4330 Developmental Cognitive Neuroscience
- HD 4680 Psychobiology of Temperament and Personality
- HD 4740 Autism and the Development of Social Cognition
- HD 4780 Attention Deficit/Hyperactivity Disorder in Children

**Social and Personality Development**
- HD 2160 Adolescence and Emerging Adulthood
- HD 2600 Introduction to Personality
- HD 2610 Development of Social Behavior
- HD 3130 Problematic Behavior in Adolescence
- HD 3360 Connecting Social, Cognitive, and Emotional Development
- HD 3420 Participation with Groups of Young Children
- HD 3430 Social Worlds of Childhood
- HD 3460 Role and Meaning of Play
- HD 3490 Positive Psychology
- HD 3530 Risk and Opportunity Factors in Childhood and Adolescence
- HD 3620 Human Bonding
- HD 3680 Children’s Development in Different Cultures
- HD 3700 Adult Psychopathology
- HD 3710 Child Development and Psychopathology
- HD 3840 Gender and Sexual Minorities
- HD 4140 Social and Psychological Aspects of the Death Penalty
- HD 4200 Risk and Rational Decision Making
- HD 4440 Parenting and Child Development
- HD 4480 Advanced Participation with Young Children (4 credits only)
- HD 4520 Culture and Human Development
- HD 4580 Parent-Child Development in African American Families
- HD 4640 Adolescent Sexuality
- HD 4680 Stress in Childhood and Adolescence

**Life Course, Social Contexts, and Social Policy**
- HD 2180 Adulthood and Aging
- HD 2500 Families and the Life Course
- HD 2510 Social Gerontology: Aging and the Life Course
- HD 2330 Children and the Law
- HD 3530 Risk and Opportunity Factors in Childhood and Adolescence
- HD 3570 Social Inequalities in Physical and Mental Health
- HD 4180 Aging: Contemporary Issues
- HD 4190 Midlife Development
- HD 4480 Advanced Participation with Young Children (4 credits only)
- HD 4560 Families and Social Policy
- HD 4570 Health and Social Behavior

**III. Electives Variable**

A. Suggested Human Ecology electives related to HD
(Will also fulfill HE credit outside the major)
- DEA 1500 Introduction to Human Environment Relations
- NS 1150 Nutrition, Health, and Society
- NS 2450 Social Science Perspectives on Food and Nutrition
- NS 3150 Obesity and the Regulation of Body Weight
- PAM 3360 Evolving Families: Challenges to Family Policy
- PAM 3370 Racial and Ethnic Differentiation
- PAM 3500 Contemporary Issues in Women’s Health
- PAM 3800 Human Sexuality

B. Human Development Honors Program

Honors in Human Development is a two-year program. The application for the honors program should be submitted in the fall of the junior year, by October 15. Applicants must be HD majors and have a GPA of 3.5 or higher. Applicants must complete the first statistics class before applying to the program.

**REQUIRED COURSE WORK**
- HD 4010 research with a faculty mentor (begun no later than the fall semester of the junior year)

**Sophomore year:**
- One basic Cornell Statistics course (e.g., PSYCH 3500, PAM 2100)

**Junior year:**
- One advanced Cornell Statistics course (e.g., PAM 3100, BTRY 3020)

**Only HD courses may be used to fulfill concentrations**

2008-09
One basic Research Methods course (e.g., HD 3820, PAM 2150, SOC 3030)
Senior year:
HD 4980 Honors in Human Development AND HD 4990 Honors Seminar plus completion of the honors thesis

Also Recommended for the Honors Program
One course in ethical issues in research (e.g., BSOC/STS 2051, PHIL 2450)
Two 3000 and/or 4000 level classes relating to the topic of the honors thesis

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 HD. 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]
  - 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 [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.