Course Requirements for GPHS-CHE major:

1. **NATURAL SCIENCES**
   - **Introductory biology**, 8 cr [BIOG 1500 plus two introductory biology lectures]
   - **Introductory chemistry**, 4 cr [CHEM 2070 or 2150]
   - **Organic chemistry lecture**, 3+ cr [CHEM 1570 (not for pre-med), 3530, or 3570-3580 (must take both. CHEM 3570 alone does not meet this requirement)]
   - **Physiology**, 3 cr [NS 1150, NS 3410, or BIOAP 3110. BIOG 1440 or 1445 may be used if not used for introductory biology]
   - **Biochemistry**, 4-6 cr [NS 3200(4)], [BIOMG 3300(4)], [BIOMG 3310(3) + BIOMG 3320(2)], or [BIOMG 3310(3) + BIOMI 2900(3)], [BIOMG 3350(4)] or [BIOMG 3330 (4)]

2. **GLOBAL & PUBLIC HEALTH CORE COURSES, 12 credits**
   - **NS 1600 Fundamentals of Public Health** [F,3]
   - **NS 2600 Introduction to Global Health** [S,3]
   - **NS 3500 Epidemiology** [F,3]
   - **NS 4600 Explorations in Global and Public Health** [F,3]

3. **SUPERVISED EXPERIENTIAL LEARNING IN PUBLIC HEALTH, 3+ credits**
   - Must be largely completed by the end of fall semester of senior yr. Pre-approval required. This experience may be obtained through one of several options including:
     - Urban semester
     - International or domestic field experience
     - Cornell in Washington
     - Capital Semester
     - Research

4. **SPECIALIZED SELECTIVES, 11+ credits:** Four courses, one from each of the following four categories

   **Social & Behavioral Health**
   - **NS 2450** Social Science Perspectives on Food and Nutrition
   - **HD 3570 /SOC3670** Social Inequalities in Physical and Mental Health
   - **PAM 3280** Fundamentals of Population Health
   - **PAM 4280** The Economics of Risky Health Behaviors
   - **ANTHR 2468** Medicine, Culture, and Society

   **Biological Aspects of Public Health**
   - **NS 3060** Nutrition and Global Health
   - **NS 3150** Obesity and the Regulation of Body Weigh
   - **NS 4310** Mineral Nutrition and Disease
   - **NS 4315** Nutrient Requirements and Recommendations: Biological Aspects
   - **NS 4410** Nutrition and Disease
   - **BIOMG 4870 Human Genomics**
   - **BIONB 4270 Darwinian Medicine**
   - **BIOMI 3210 Normal Microbes of the Human Body in Health and Disease**

   **Environmental Health**
   - **FDSC 3960** Food Safety Assurance
   - **DSOC 3400** Agriculture, Food Systems and Society
   - **ENTOM 2100** Plagues and People
   - **ENTOM 3070 /TOX 3070** Pesticides and the Environment
   - **CEE 5970 / TOX 5970** Risk analysis and management
   - **ILRIC 3342** Workplace Health and Safety as a Human Right
   - **COMM 2850** Communication, Environment, Science and Health
   - **BIOMI 2500** Public Health Microbiology
   - **BIOMI 4310** Medical Parasitology
   - **ENTOM 3520** Medical and Veterinary Entomology

   **Health Policy & Management**
   - **NS 4500** Public Health Nutrition
   - **NS 4570/ECON4740** Health, Poverty and Inequality
   - **PAM 2350** The US health care system
5. SOCIAL SCIENCES and HUMANITIES

Social Sciences: 6 cr. From the following four areas, choose 1 course from any 2 areas

- Economics  [ECON 1110* or ECON 1120*]
- Anthropology  [ANTHR 1400]
- Psychology  [HD 1150* or HD 1170* or PSYCH 1101]
- Sociology  [DSOC 1101 or SOC 1101]

Humanities: 3 cr. Includes literature, history, philosophy, religion, and archaeology. Critical, historical, and theoretical studies of arts and design are included. Does not include language, creative, or performing arts (e.g. fiction or poetry writing, composing or performing music, acting, dancing, directing, or painting).

6. WRITTEN COMMUNICATIONS

First Year Writing Seminars: 6 cr  (MUST BE COMPLETED DURING FIRST 2 SEMESTERS)

7. QUANTITATIVE & ANALYTICAL

Statistics: 4 cr.  STSCI 2150

Must be taken at Cornell, AP statistics is not accepted.

6. HUMAN ECOLOGY (HUMEC) outside NS

9 cr selected from HUMEC courses not in NS as per college requirements. May not include HE 1000, 1001, 2010, or any 4030 course. Maximum 3 credits of 4000, 4010, and 4020 may be applied. 8 credits of Urban Semester and 7 credits of Capital Semester may be applied.

7. OTHER & Elective courses to bring academic credits to 120.

Student must complete 43 HUMEC credits across all categories of graduation requirement. If other major and college requirements are met, up to 12 credits of NS 4000, 4010, 4020, 4030 may be applied to 43 HUMEC and 120 Cornell credits. See Human Ecology Curriculum Sheets for detail college requirements. All required courses must be taken as a letter grade.