

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 obtaining 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 Weight

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

PAM 3110 Pharmaceutical Management and Policy
PAM 4050 Reproductive Health Policy
PAM 4370 Economics of health policy
PAM 4380 Economics of public health

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.