As the world becomes more interconnected, our communities and populations face increasingly complex health challenges emerging through the interaction of individual vulnerability and behavior, cultural and social factors, environmental and geographic influences as well as economic and political dynamics. Addressing these public health challenges requires innovative approaches arising from multiple disciplines.

The undergraduate certificate in public health encourages students to extend the breadth of their undergraduate education to include elements of public health. Students are encouraged to take courses from a variety of participating departments to develop an appreciation of the interdisciplinary nature of public health.

**Requirements**

The certificate requirements include a minimum of 18 credit hours (not to exceed 24) of course work, including at least 9 upper-division credit hours.

**Required Courses and Credit Hours**

**Required Courses**

- GEOG 3692 Introduction to Global Public Health
- IPHY 3490 Introduction to Epidemiology

**Required biology course:**

- EBIO 1030 Biology: A Human Approach 1
- or EBIO 1210 General Biology 1
- or MCDB 1030 Introduction to Molecular Biology
- or MCDB 1150 Introduction to Cellular and Molecular Biology

**At least one of the following courses in statistics:**

- ANTH 4000 Quantitative Methods in Anthropology
- or APPM 2720 Open Topics in Lower Division Applied Mathematics
- or APPM 4570 Statistical Methods
- or BCOR 1025 Data Analysis in Business
- or CHEN 3010 Applied Data Analysis
- or EBIO 1010 Introduction to Quantitative Thinking for Biologists
- or EBIO 4410 Biometry
- or ECON 3810 Introduction to Statistics with Computer Applications
- or GEOG 3020 Statistics for Geography
- or IPHY 2800 Introduction to Statistics
- or MATH 2510 Introduction to Statistics
- or PSCI 2075 Quantitative Research Methods
- or PSYC 2110 Psychological Science I: Statistics
- or SOCY 2060 Introduction to Social Statistics

**Electives**

Six credit hours of primarily upper-division public health electives, at least one of which must be from outside of the student’s major.

**Biomedicine and Health**

- CHEM 4131 Chemistry of Global Health
- EBIO 3400 Microbiology
- EBIO 3630 Parasitology
- IPHY 2420 Nutrition for Health and Performance

**Global, Population and Environmental Health**

- ECON 4646 Topics in Health Economics
- ENVS 3525 Intermediate Environmental Problem Analysis: Topical Cornerstones
- ENVS 4800 Capstone: Critical Thinking in Environmental Studies
- GEOG 3682 Geography of International Development
- GEOG 4732 Population Geography
- GEOG 4852 Health and Medical Geography
- IAFS 3000 Special Topics in International Affairs
- PSCI 4012 Global Development
- SLHS 1010 Disabilities in Contemporary American Society
- SOCY 4007 Global Human Ecology

**Medical Humanities**

- HIST 3416 Seminar in American Society and Thought
- HIST 4326 Epidemic Disease in US History
- PHIL 1160 Introduction to Bioethics
- PHIL 3160 Bioethics
- WRTG 3020 Topics in Writing

**Social, Cultural and Behavioral Health**

- ANTH 4060 Nutrition and Anthropology
- ANTH 4610 Medical Anthropology
- PSYC 3102 Behavioral Genetics
- PSYC 4541 Special Topics in Psychology
- SOCY 1022 Ethics and Social Issues in U.S. Health and Medicine
- SOCY 3032 Social Epidemiology
- SOCY 3042 Topics in Population and Health
- SOCY 3052 Medical Sociology
- SOCY 4052 Social Inequalities in Health

**Total Credit Hours**

12-13

Global Public Health is a track of the Public Health Certificate designed specifically for IAFS students. Students interested in pursuing the Global Public Health track of the Public Health Certificate can find additional information on the International Affairs Program [here](http://www.colorado.edu/iafs/academics/certificates/global-public-health).