# Global Health Major: Spring 2024 Course Offerings

## Mathematics and Statistics Courses
- Math 112: Algebra
- Math 113: Trigonometry
- Math 114: Algebra and Trigonometry
- Stats 301: Intro to Statistical Methods
- Stats 371: Intro to Applied Statistics for the Life Sciences
- Stats 240: Data Science Modeling I

## Social Science B Courses
- AAE 215: Intro to Agricultural and Applied Economics
- AAE 244: Environment and the Global Economy
- C&E Soc 140: Intro to Community and Envir. Sociology
- Geog 101: Into to Human Geography
- Geog 139: Global Environmental Issues
- Intl St 101: Into to International Studies
- LSC 212: Into to Scientific Communication
- Philo 241: Introductory Ethics
- Poli Sci 272: Intro to Public Policy

## Core Courses
- Pop Hlth 370: Introduction to Public Health
- Agronomy 377: Food Production and Global Health
- Hist Sci 213: Global Environmental Health
- Micro 345: Introduction to Disease Biology
- Nutr Sci 379: Introduction to Epidemiology

## Depth Courses: Public Health, Policy, and Development
- Econ 548: Economics of Healthcare
- Gen&WS 525: Gender & Global Health in Critical Persp.
- Gen&WS 537: Childbirth in the United States
- Geog 307: Intl Migration, Health, and Human Rights
- ISYE 417: Health Systems Engineering*
- LSC 617: Health Comm. In the Information Age
- LSC 625: Risk Communication
- Med Hist 509: Development of Public Health in America
- Med Hist 558: Ethical Issues in Health Care
- Nutr Sci 379: Introduction to Epidemiology
- Pop Hlth 370: Introduction to Public Health
- Relig St 475: Religion, Global and Public Health
- Soc 578: Poverty and Place*

## General Chemistry Courses
- Chem 103: General Chemistry I
- Chem 104: General Chemistry II

## Introductory Biology Courses
- Bio 151: Introductory Biology
- Bio 152: Introductory Biology
- Zoo 101: Animal Biology
- Zoo 102: Animal Biology Laboratory
- Botany 130: General Botany
- Biocore 383: Cellular Biology
- Biocore 384: Cellular Biology Lab

## Social Science A Courses
- Amer Ind 100: Intro to American Indian Studies
- Anthro 265: Introduction to Culture and Health
- Gen&WS 103: Gender, Women, Bodies and Health
- Gen&WS 104: Gender, Sexuality, and Global Health
- Soc 134: Soc. of Race & Ethnicity in the United States
- Soc 170: Population Problems

## Capstone Courses
- Entom 570: Systems Thinking in Global Health
- Dy Sci 471: Food Production Sys & Sustainability
- Biocore 587: Biological Interactions

## Depth Courses: Disease Biology
- Anat&Phys 335: Physiology
- Anat&Phys 435: Fundamentals of Human Physiology
- Ani Sci 320: Animal Health and Disease
- Biochem 301: Survey of Biochemistry
- Biochem 501: Intro to Biochemistry
- Biocore 587: Biological Interactions
- Genetics 466: Principles of Genetics
- MM&I 575: Biology of Viruses
- Micro 303: Biology of Microorganisms
- Micro 304: Biology of Microorganisms Laboratory
- Micro 335: Microbiome of Plants, Animals, and Humans
- Micro 345: Introduction to Disease Biology
- M&EnvTox 626: Toxicology II
- Path 404: Pathophysiologic Principles of Human Disease
- Path-Bio 350: Parasitology

* Note: Created on Oct. 23 - course offerings may change.
**Depth Courses: Food Systems and Nutrition**

- AAE 477: Agricultural and Econ. Development in Africa
- Agronomy 338: Plant Breeding and Biotechnology
- Agronomy 377: Food Production and Global Health
- Biochem 510: Nutritional Biochemistry and Nutrition
- Botany 474: Ethnobotany
- Dy Sci 471: Food Production Sys & Sustainability
- Dy Sci 472: Animal Ag. & Global Sustainable Dev.
- Geog 309: People, Land, and Food
- Hort 360: Genetically Modified Crops
- Hort 380: Indigenous Foodways
- Nutr Sci 332: Human Nutritional Needs
- Nutr Sci 350: World Hunger and Malnutrition
- Nutr Sci 431: Nutrition in the Life Span
- Nutr Sci 621: Introduction to Nutritional Epidemiology

**Notes:**
*These courses may have listed pre-requisites that are not commonly taken by Global Health students, but the instructors have indicated there may be some flexibility in pre-reqs depending on other courses the student has completed. Interested students lacking the listed pre-reqs should contact the instructor.*

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**Depth Courses: Ecosystem Sust. and Planetary Health**

- AAE 343: Environmental Economics
- Botany 460: General Ecology
- Botany 651: Conservation Biology
- Civ Engr 423: Air Pollution, Measurement and Control*
- C&E Soc 540: Intl. Develop., Environ. & Sustainability*
- Envir St 465: Global Environmental History
- Geog 332: Global Warming: Science and Impacts
- Geog 339: Environmental Conservation
- Geog 371: Intro to Environmental Remote Sensing
- Geog 377: Intro to Geographic Information Systems
- Land Arc 363: Restoration Education for Equity
- M&EnvTox 631: Toxicants in the Environment
- Microbio 425: Environmental Microbiology
- Pop Hlth 471: Introduction to Environmental Health