GILLINGS SCHOOL OF GLOBAL PUBLIC HEALTH

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Introduction
The UNC Gillings School of Global Public Health provides exceptional teaching, conducts ground-breaking research, and delivers dedicated service to people across North Carolina, throughout the United States, and around the world. Ranked the top public school of public health by U.S. News and World Report for 2016 and second among all public health schools, the school’s mission is to improve public health, promote individual well-being, and eliminate health inequities.

The school, accredited by the Council on Education for Public Health, and located in close proximity to UNC-Chapel Hill’s schools of medicine, nursing, dentistry, and pharmacy, offers undergraduate and graduate programs on campus and through state-of-the-art online-education programs. The Michael Hooker Research Center and many renovated laboratories and classrooms provide an environment highly conducive to learning about public health and discovering new ways to improve and promote health worldwide.

Beyond campus, we teach, conduct research, and serve communities across our state and nation and around the world. Our Gillings Global Gateway (http://sph.unc.edu/global-health/gillings-global-gateway) organizes the school’s global health activities. The school’s service and outreach arm, the North Carolina Institute for Public Health (http://sph.unc.edu/nciph/nciph-home), brings public health scholarship and practice communities together. Research and Innovation Solutions (http://sph.unc.edu/research/research) enables us to anticipate new public health challenges, quickly find solutions, and accelerate the delivery of best practices to improve people’s lives.

To learn more about the public health field, visit the Association of Schools and Programs of Public Health (http://asphp.org/discover). The site defines public health, describes its impact on our lives, and introduces a variety of public health careers.

Admission
The undergraduate degree offered is the bachelor of science in public health (B.S.P.H.). Four majors are available to undergraduate students: biostatistics, environmental health sciences, health policy and management, and nutrition. Each of these combines features of a broad-based education with concentrated study in a specific public health discipline. The programs prepare individuals for preprofessional positions in health-related fields and provide a firm base for graduate study.

Students are permitted to pursue two majors in the school. Students are subject to the requirements in place when they are admitted to the Gillings School of Global Public Health; consequently, requirements described in this catalog particularly apply to students admitted to the school during the 2017–2018 academic year. In addition to the information presented below please see the Gillings Program Search (GPS) (http://sph.unc.edu/gps) for the most up to date information on the school, including course prerequisites and admissions criteria for each of the four undergraduate majors.

Students who wish to obtain the B.S.P.H. degree typically spend two years in the General College of the University of North Carolina at Chapel Hill (or in an equivalent core program of academic study elsewhere) and two subsequent years under the administration of the Gillings School of Global Public Health. Enrollment in the B.S.P.H. degree programs is limited. Typically a student is selected in the latter half of the sophomore year and admitted on a competitive basis for junior year entry to the major. The minimum recommended grade point average for admission to programs in biostatistics, environmental health sciences, health policy and management, and nutrition is 3.0.

For current UNC–Chapel Hill students, the initial step of B.S.P.H. application is available in ConnectCarolina under the "Apply Majors" tab.

Transfer students interested in biostatistics and health policy and management majors must apply through the Office of Undergraduate Admissions (http://admissions.unc.edu/apply/transfer-students) using the Transfer Common application. Transfer students interested in environmental health sciences and nutrition majors must be accepted to UNC–Chapel Hill first and then satisfy campus residency requirements during their first and/or second semester at UNC–Chapel Hill, and then apply as a current UNC–Chapel Hill student.

Requirements Common to All Undergraduate Majors in the Gillings School of Global Public Health
The last 24 of the 30 hours of degree credit must be taken in residence in Chapel Hill. The Gillings School of Global Public Health requires that students earn a C (not C-) or better in prerequisite, core public health, and department-required courses. The Department of Nutrition requires at least a B- (or credit by examination) in:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 252</td>
<td>Fundamentals of Human Anatomy and Physiology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 252L</td>
<td>Fundamentals of Human Anatomy and Physiology Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 102</td>
<td>General Descriptive Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 102L</td>
<td>Quantitative Chemistry Laboratory II</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 261</td>
<td>Introduction to Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>NUTR 240</td>
<td>Introduction to Human Nutrition</td>
<td>3</td>
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H Honors version available. An honors course fulfills the same requirements as the nonhonors version of that course. Enrollment and GPA restrictions may apply.

At the end of the sophomore year, students are expected to have earned approximately 60 semester hours of credit. These must include all Foundations and Approaches requirements and at least five Connections requirements, including global issues, experiential education, and U.S. diversity. One of the two physical and life science Approaches courses must be BIOL 101/BIOL 101L.

The junior/senior total of approximately 60 semester hours includes BIOS 600 (BIOS 500H for biostatistics students), ENVR 6002, EPID 600,
HBEH 600, HPM 600\(^2\) and for most departments, a minimum of three electives (seven credit hours) outside the school.

1. Environmental health sciences and nutrition majors are not required to have completed all Foundations, Approaches, and Connections by the end of their sophomore year.
2. Environmental health sciences majors and health policy and management majors, see details under department-specific requirements.

**Departments**

Four departments in the UNC Gillings School of Global Public Health offer undergraduate degrees:

- Biostatistics (http://catalog.unc.edu/undergraduate/departments/biostatistics)
- Environmental Sciences and Engineering (http://catalog.unc.edu/undergraduate/departments/environmental-sciences-engineering)
- Health Policy and Management (http://catalog.unc.edu/undergraduate/departments/health-policy-management)
- Nutrition (http://catalog.unc.edu/undergraduate/departments/nutrition)

Lists of faculty members in those departments are included in those sections of the catalog. Other courses offered by the school are listed on the "Courses" tab under the subject codes PUBH and SPHG. If you are not a matriculated public health major, you may need instructor consent to enroll in public health courses.

**Graduate Departments**

- Biostatistics (http://catalog.unc.edu/graduate/schools-departments/gillings-school-global-public-health)
- Environmental Sciences and Engineering (http://catalog.unc.edu/graduate/schools-departments/gillings-school-global-public-health)
- Epidemiology (http://catalog.unc.edu/graduate/schools-departments/gillings-school-global-public-health)
- Health Behavior (http://catalog.unc.edu/graduate/schools-departments/gillings-school-global-public-health)
- Health Policy and Management (http://catalog.unc.edu/graduate/schools-departments/gillings-school-global-public-health)
- Maternal and Child Health (http://catalog.unc.edu/graduate/schools-departments/gillings-school-global-public-health)
- Nutrition (http://catalog.unc.edu/graduate/schools-departments/gillings-school-global-public-health)
- Public Health Leadership Program (http://catalog.unc.edu/graduate/schools-departments/gillings-school-global-public-health)

**Majors**

- Biostatistics Major, B.S.P.H. (http://catalog.unc.edu/undergraduate/programs-study/biostatistics-major-bsph)
- Environmental Health Sciences Major, B.S.P.H. (http://catalog.unc.edu/undergraduate/programs-study/environmental-health-sciences-major-bsph)
- Nutrition Major, B.S.P.H. (http://catalog.unc.edu/undergraduate/programs-study/nutrition-major-bsph)

**HBEH—Health Behavior**

**Undergraduate-level**

**HBEH 396. Independent Study in Health Behavior. 1-6 Credits.**

Advanced course for undergraduates who wish to pursue a topic or research study in health behavior. To be arranged with faculty. An approved work plan is required.

**Repeat rules:** May be repeated for credit. 6 total credits. 6 total completions.

**Grading status:** Letter grade.

**Advanced Undergraduate and Graduate-level**

**HBEH 561. Environmental and Science Video Storytelling. 3 Credits.**

Students work in teams to produce, shoot, script, and report environmental, science, and medical stories for broadcast on "Carolina Week", the award-winning, student-produced television newscast.

**Grading status:** Letter grade

**Same as:** MEJO 561, HPM 551.

**HBEH 562. Environmental and Science Documentary Television. 3 Credits.**

Students work in teams to conceive, produce, and script mini-documentaries on environmental and science topics for broadcast on North Carolina Public Television.

**Grading status:** Letter grade

**Same as:** MEJO 562, HPM 552.

**HBEH 600. Social and Behavioral Sciences in Public Health. 3 Credits.**

This course focuses on social and behavioral science theories, research and interventions aimed at promoting health of individuals, groups, communities and populations. Two lecture hours per week. Enrollment is restricted to junior, senior, graduate, and certificate students in programs or majors within the School of Public Health.

**Grading status:** Letter grade.

**HBEH 601. Principles of Statistical Inference for Health Behavior. 3 Credits.**

Required preparation, knowledge of basic descriptive statistics. Majors only. Major topics include elementary probability theory, probability distributions, estimation, tests of hypotheses, paired and independent samples t-tests, ANOVA, linear and logistic regression, correlation and chi-squared procedures. SAS, a statistical software package, is used in the course.

**Grading status:** Letter grade.

**HBEH 610. Alternative Spring Break. 2 Credits.**

This course will explore issues, theories, and experiences relevant to social action, coalition building, and social change. The content of this course will be examined by confronting the possibilities and limitations of service and service-learning as it relates to APPLES Alternative Spring Break experiences.

**Gen Ed:** EE-Service Learning.

**Grading status:** Pass/Fail.

**HBEH 611. Philanthropy as a Tool for Social Change. 3 Credits.**

In this course students learn about and experience the process of awarding grants to local agencies. In addition to participating in the grant-making process, students learn about the nonprofit sector and the philosophy and practice of philanthropy through readings, class exercises, and guest speakers.

**Gen Ed:** EE-Service Learning.

**Grading status:** Letter grade.
HBEH 625. Injury as a Public Health Problem. 1 Credit.
This course considers the causes and consequences of traumatic injury and dilemmas in injury research and prevention. This one-credit course consists of 10 class sessions of 75 minutes each over the first five weeks of the semester.
Requisites: Pre- or corequisite, EPID 600.
Grading status: Letter grade
Same as: EPID 625, MHCH 625.

HBEH 626. Intentional Injury as a Public Health Problem. 1 Credit.
This one-credit course considers the causes and consequences of intentional injury and dilemmas in injury research and prevention. The course meets once a week for 75 minutes starting the sixth week of the semester. Students may enroll concurrently in EPID 627.
Requisites: Corequisite, EPID 625.
Grading status: Letter grade
Same as: EPID 626, MHCH 626.

HBEH 627. Unintentional Injury as a Public Health Problem. 1 Credit.
This one-credit course considers the causes and consequences of unintentional injury and dilemmas in injury research and prevention. The course meets once a week for 75 minutes starting the sixth week of the semester.
Requisites: Corequisite, EPID 625.
Grading status: Letter grade
Same as: EPID 627, MHCH 627.

HBEH 660. Environmental and Science Journalism. 3 Credits.
Prepare students to work as environmental and science journalists. The course emphasizes writing skills in all delivery formats and interpreting environmental, science, and medical information for consumers.
Grading status: Letter grade
Same as: MEJO 560, HPM 550.

HBEH 690. Special Topics in Health Behavior. 1-3 Credits.
Special topics in health behavior. An experimental course designed for faculty who wish to offer a new course. Content will vary from semester to semester.
Repeat rules: May be repeated for credit. 6 total credits. 6 total completions.
Grading status: Letter grade.

PUBH—Public Health

Undergraduate-level
PUBH 89. First-Year Seminar: Special Topics. 3 Credits.
Content varies by semester.
Repeat rules: May be repeated for credit; may be repeated in the same term for different topics; 6 total credits. 2 total completions.
Grading status: Letter grade.

PUBH 217A. Problems in Health Education. 4.00 Credits.

Advanced Undergraduate and Graduate-level
PUBH 420. The AIDS Course. 1 Credit.
This course offers participants a multidisciplinary perspective on HIV/AIDS -- its etiology, immunology, epidemiology, and impact on individuals and society. How HIV/AIDS is framed by a society determines not only how affected persons are treated but also the degree to which the rights of the individual are upheld.
Grading status: Pass/Fail.

PUBH 423. AIDS Service. 3 Credits.
This course will integrate community service into the campus-wide AIDS course. Students will work as volunteer interns three to five hours per week for 10 weeks during the semester with Triangle-area community service organizations.
Gen Ed: EE-Service Learning.
Grading status: Letter grade.
PUBH 450. Data Skills Online. 1 Credit.
This online, asynchronous class presents a series of discrete tools designed to teach skills to health professionals for using technology and data management/analysis. Online course.
Grading status: Letter grade.
PUBH 496. Readings in Public Health Practice. 1-3 Credits.
Permission of the instructor. Intensive study of a special problem in public health practice.
Repeat rules: May be repeated for credit; may be repeated in the same term for different topics; 12 total credits. 4 total completions.
Grading status: Letter grade.
PUBH 500. Global Health Discussion Series. 0.5 Credits.
Provides opportunities for students to get to know each other through an exchange and discussion. Students exchange points of view with globally experienced faculty at UNC-Chapel Hill.
Grading status: Letter grade.
PUBH 510. Interdisciplinary Perspectives in Global Health. 3 Credits.
Explores issues, problems, and controversies in global health through an interdisciplinary perspective; examines the complex tapestry of social, economic, political, and environmental factors that affect global health; analyzes global health disparities through a social justice and human rights lens; and exposes students to opportunities in global health work and research.
Repeat rules: May be repeated for credit.
Grading status: Letter grade.
PUBH 610. Introductory Spanish for Health Professionals. 3 Credits.
This course is intended for students who know no Spanish or so little that they feel the need to start over. Students with more than two semesters of college Spanish are not eligible. The course covers the curriculum of first-semester Spanish taught within a health context, with a focus on speaking.
Grading status: Letter grade.
PUBH 613. Intermediate Spanish for Health Care I. 3 Credits.
This intermediate course is the equivalent of the third semester of college Spanish. Students will hone their listening and speaking skills in class primarily through role-playing activities and class discussion. Activities center on an original film set in a health clinic in rural North Carolina.
Grading status: Letter grade
Same as: AHSC 613I, NURS 613I, PHCY 613I, SOWO 613I.
PUBH 614I. Intermediate Spanish for Health Care II. 3 Credits.
Permission of the instructor. This primarily e-learning course provides public health students with the opportunity to improve their oral communication skills in Spanish at the intermediate level via DVD, Web, and workbook. Instructor-led. Online course.
Requisites: Prerequisite, PUBH 613I.
Grading status: Pass/Fail
Same as: AHSC 614I, NURS 614I, PHCY 614I, SOWO 614I.
PUBH 615. Advanced Spanish for Health Care I. 3 Credits.
Required preparation, third semester Spanish or equivalent. This advanced course reviews the grammar of the third and fourth semester of college Spanish. Students hone their listening and speaking skills through role-playing activities and class discussion. Activities center on an original film set in a Latino-run health clinic.
Grading status: Letter grade
Same as: AHSC 615I, DENT 615I, MEDI 615I, NURS 615I, PHCY 615I, SOWO 615I.

PUBH 616I. Health Care Informatics. 2 Credits.
Course designed to provide a multimodal learning experience that prepares health sciences students to learn to become proficient at selecting/using technology for organizing, analyzing, and managing information in health care settings.
Grading status: Letter grade
Same as: PHCY 616I.

PUBH 670. Clinical Research Methods. 3 Credits.
This course explores contemporary issues, problems, and controversies in global health through an interdisciplinary perspective. It examines the tapestry of social, economic, political, and environmental factors that affect global health.
Grading status: Letter grade.

PUBH 671. Writing Scientific Research. 3 Credits.
This course, Introduction to Clinical Research, is designed to give the undergraduate student an overview of clinical research methods. During the semester we will carry actual research projects.
Grading status: Letter grade.

PUBH 680. Public Health Practice. 3 Credits.
A comprehensive introduction to public health concepts and practice through an examination of the philosophy, purpose, history, organization, functions, tools, activities, and results of public health practice at the national, state, and community levels. Online course.
Grading status: Letter grade.

PUBH 690. Special Topics in Public Health Leadership. 1-3 Credits.
Permission of the instructor. Sections will focus on specific topics of current interest to health workers. Fliers describing the section offering will be distributed prior to registration each semester. Lecture hours per week dependent upon credit.
Repeat rules: May be repeated for credit; may be repeated in the same term for different topics; 9 total credits. 3 total completions.
Grading status: Letter grade.

PUBH 696. Independent Study. 1-3 Credits.
Independent Study to address goals and objects of student. Prior faculty agreement is required. Registration for an independent study course must be completed after the learning contract has been approved and no later than the last day of "late registration" (the end of the first week of classes in F/S).
Grading status: Letter grade.

SPHG–School of Public Health General

Undergraduate-level

SPHG 350H. Introduction to Public Health. 3 Credits.
This introductory course will describe the history of public health, the key terms and concepts, and how the core areas of public health are integrated to promote health at a population level. The class will engage the students in active learning through the use of media, innovative technology, discussion groups, and field experiences.
Grading status: Letter grade.