

Milken Institute School of Public Health

THE GEORGE WASHINGTON UNIVERSITY

Milken Institute School of Public Health Bachelor of Science in Public Health 2022-2023

Note: All curriculum revisions will be updated
immediately on the GWSPH website
(<http://publichealth.gwu.edu>).

Program Director

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BACKGROUND

Established in 1997, GW's Milken Institute School of Public Health (GWSPH) is fully accredited by the Council on Education for Public Health (CEPH). GWSPH offers several undergraduate degrees and programs, including the Bachelor of Science in Public Health, Bachelor of Science in Public Health with a Pre-Medical Professions concentration, Bachelor of Science in Exercise Science (with various concentrations), Bachelor of Science in Nutrition Science, Bachelor of Science in Nutrition Science with a Pre-Medical Professions Concentration, Minors in Public Health, Exercise Science, Nutrition Science, and Bioinformatics, and dual BS/MPH degrees in Public Health and Nutrition Science. To learn more about GWSPH, visit <http://publichealth.gwu.edu>.

MISSION STATEMENT

In the context of a liberal arts and sciences tradition that emphasizes critical thinking, analysis, and synthesis of information, students in the Bachelor of Science in Public Health program will acquire knowledge and skills in the critical component elements of public health. Students with a Pre-Medical Professions (PMP) concentration will also acquire knowledge and skills in areas critical to pursuing a future in the medical profession.

VISION

The Bachelor of Science in Public Health program strives to be a leader in the development of undergraduate public health education. The program hopes to matriculate students who will carry forward their public health knowledge and skills into diverse fields of professional practice, including the medical professions. Our students will bring an informed and evidence-based viewpoint to public health issues affecting medical practice and society at large.

VALUES

While nurturing students' capacity to think analytically and creatively, we strive to deepen their commitment to improving the public's health and bringing diverse public health viewpoints to their future professions.

LEARNING OBJECTIVES in the LIBERAL ARTS TRADITION

The Bachelor of Science (BS) in Public Health, founded in the liberal arts tradition often associated with small private colleges, is a respected and proven model for teaching students to assume responsibility for their own life-long learning. Liberal arts education has its foundation in both the arts (*trivium*, based on three disciplines: language, logic, and rhetoric) and the sciences (*quadrivium*, based on four disciplines of natural phenomena: arithmetic, geometry, astronomy, and music) as studied in medieval universities. While contemporary arts and sciences programs have expanded well beyond the imagination and expectations of medieval founders, it is within the context of this liberal arts tradition that the BS in Public Health strives

to prepare students for progressive independence, maturity, knowledge of the world, understanding of diverse inhabitants, and respect for differing points of view. Because this degree is intended to include technical detail and analytic skills, grounded in a liberal arts philosophical base, it also has the educational objectives of nurturing critical thinking, analysis, and synthesis of information, and recognizing the historical and societal associations of current trends in public health and health care delivery. The BS in Public Health with a PMP concentration is intended to provide students with a major that both achieves the goals of a liberal arts education in public health and provides them with the requisite knowledge and skills to pursue a future in the medical professions.

PUBLIC HEALTH CORE COURSE COMPETENCIES

The following competencies are designed to be achieved by all public health majors through the indicated courses. Upon completion of the Bachelor of Science in Public Health, students will be able to:

1. Overview of Public Health: Address the history and philosophy of public health as well as its core values, concepts, and functions across the globe and in society (PUBH 1101, 2110, 3132, 3133, 4140W)
2. Role and Importance of Data in Public Health: Address the basic concepts, methods, and tools of public health data collection, use, and analysis and why evidence-based approaches are an essential part of public health practice (PUBH 1101, 2110, 2142, 3131, 3132, 3133, 3135W, 4140W, and the Research Methods Selective)
3. Identifying and Addressing Population Health Challenges: Address the concepts of population health, and the basic processes, approaches, and interventions that identify and address the major health-related needs and concerns of populations (PUBH 1101, 2110, 2112, 3130, 3131, 3132, 3133, 3135W, 4140W)
4. Human Health: Address the underlying science of human health and disease including opportunities for promoting and protecting health across the life course (PUBH 1101, 2110, 3132, 3133)
5. Determinants of Health: Address the socio-economic, behavioral, biological, environmental, and other factors that impact human health and contribute to health disparities (PUBH 1101, 2110, 2112, 3132, 3133, 3135W, 4140W)
6. Project Implementation: Address the fundamental concepts and features of project implementation, including planning, assessment, and evaluation (PUBH 2112, 3130, 3133, 4140W)
7. Overview of the Health System: Address the fundamental characteristics and organizational structures of the U.S. health system as well as to the differences in systems in other countries (PUBH 1101, 3130, 3133, 3135W)
8. Health Policy, Law, Ethics, and Economics: Address the basic concepts of legal, ethical, economic, and regulatory dimensions of health care and public health policy, and the roles, influences and responsibilities of the different agencies and branches of government (PUBH 1101, 3130, 3133, 3135W)
9. Health Communications: Address the basic concepts of public health-specific communication, including technical and professional writing and the use of mass media and electronic technology (PUBH 1101, 2110, 2112, 3130, 3131, 3133, 3135W, 4140W)

CAREERS

The BS in Public Health strives to increase awareness and understanding of public health principles among students who are preparing for professional careers in fields such as:

- Allied Health
- Government
- Business

- Health Education
- Health Services Administration
- Law
- Medicine, Nursing, and other health professions
- Public Health (both those who plan to pursue graduate degrees in public health and students who intend to pursue entry-level jobs in specific sectors of public health, health services, or public policy for which a bachelor's level education is appropriate)

ADMISSIONS

Incoming freshman and external transfer students may apply directly to the major through GW admissions.

Internal transfer students accepted into the program matriculate in the semester following admission. We will accept transfers from students with a GPA of 2.75 or higher. Students should use the internal transfer form found on the Registrar’s website: <https://registrar.gwu.edu/undergraduate-internal-transfer>. The internal transfer application deadline is October 15th in the fall semester and February 15th in the spring semester.

Students follow the prescribed curriculum effective in the year that they matriculate into the BS in Public Health program.

DEGREE REQUIREMENTS

There are three categories of Degree Requirements for all Public Health students: (1) University General Education Requirements; (2) Public Health Core Courses; and (3) Public Health Electives. Students in the PMP concentration will also take PMP requirements/recommended courses. Students take additional elective courses to reach the 120 total credits required to graduate.

General Education Requirements (19-20 credits)

The Public Health program follows the University General Education Requirements. **See the University Bulletin website for the most up-to-date version of Gen Ed requirements and approved courses:** <http://bulletin.gwu.edu/university-regulations/general-education/>

University General Education Requirements (GenEd) Courses (See <i>University Bulletin for General Education Requirements</i>)		
University Writing	UW 1020 UNIVERSITY WRITING OR HONR 1015	4
Humanities	ONE COURSE IN THE HUMANITIES http://bulletin.gwu.edu/university-regulations/general-education/	3
Mathematics or Statistics	ONE COURSE IN EITHER MATH OR STATISTICS http://bulletin.gwu.edu/university-regulations/general-education/	3
Science	ONE NATURAL OR PHYSICAL SCIENCE COURSE WITH LABORATORY EXPERIENCE http://bulletin.gwu.edu/university-regulations/general-education/	3-4
Social Science	TWO COURSES IN THE SOCIAL SCIENCES http://bulletin.gwu.edu/university-regulations/general-education/	6
TOTAL GenEd Credits		19-20

BSPH Core Prerequisite Requirements: Please note that these are prerequisites for required core courses, rather than prerequisites to apply to the program.

<i>Required Course</i>	<i>Prerequisite(s)</i>
PUBH 2110	BISC 1005*, 1006*, 1007*, 1008*, 1111*, 1112*, or HONR 1033* (<i>Biology topics only</i>)
PUBH 2112	PUBH 1101- Introduction to Public Health and Health Services (can be taken concurrently)
PUBH 3130	ECON 1011- Principles of Economics I* (Microeconomics)
PUBH 3131	PUBH 2142 - Introduction to Biostatistics for Public Health
PUBH 3133	<i>Restricted to Juniors and Seniors</i>
PUBH 3135W	PUBH 1101- Introduction to Public Health and Health Services <i>Restricted to Juniors and Seniors</i>
PUBH 4140W	<ul style="list-style-type: none"> • PUBH 1101, • PUBH 2110, • PUBH 2112, • PUBH 2142, • PUBH 3130, • PUBH 3131, • PUBH 3135W, • Research Methods Selective, AND • PUBH 3132 and/or PUBH 3133. <i>Restricted to Seniors only</i>

*These courses may also satisfy GenEd requirements.

Public Health Required Core Requirements (34 credits)

The public health major curriculum constitutes 46 credits: *34 core credit credits and 12 elective credits* offered through the GWSPH.

Required Core Courses (31 Credits)		
Course	Course Title	Credits
PUBH 1010	First-Year Experience in Public Health	1
PUBH 1101	Introduction to Public Health and Health Services	3
PUBH 2110	Public Health Biology	3
PUBH 2112	Principles of Health Education and Health Promotion	3
PUBH 2142	Introduction to Biostatistics for Public Health	3
PUBH 3130	Health Services Management and Economics	3
PUBH 3131	Epidemiology: Measuring Health and Disease	3
PUBH 3132	Health and Environment	3
PUBH 3133	Global Health and Development	3
PUBH 3135W	Health Policy	3
PUBH 4140W	Senior Seminar	3
Research Methods selective – choose one (1) of the following 3-credit courses^:		
PUBH 3199	Research Methods in Public Health	3
EXNS 3111W	Exercise and Nutrition Science Research Methods	
^Alternative research methods courses will be considered with advanced approval by the Program Director		
Total Public Health Required Core Credits		34

Public Health Guided Electives (12 credits)

No more than 9 elective credits may be taken through approved study abroad programs or non-GW domestic courses. Electives must be taken from the Approved Public Health Elective list or with advanced approval of the Program Director.

Concentration Requirements:

I. No Concentration:

BS Public Health - No Concentration - Must Fulfill the Following Degree Requirements	
All General Education Requirements (GenEd)	19-20 Credits
All Public Health Core Curriculum/Research Methods Requirements <ul style="list-style-type: none">C- or better required in core Public Health courses	34 Credits
Public Health Electives: <ul style="list-style-type: none">Please see the “Guided Electives” worksheet for a list of approved coursesC- or better required in Public Health Electives	12 Credits
General Electives	54-55 Credits
Total Number of Credits	120

II. Pre-Medical Professional (PMP) Concentration:

The pre-medical professional (PMP) concentration is comprised of two components: a set of required core courses and a set of additional recommended, though not required, courses. Please note that medical school requirements may vary, so please review program-specific admissions requirements, and consult with the pre-health advisor (prehealth@gwu.edu) as soon as possible. Talk with your Academic Advisor on how these courses can fit into your four-year plan.

Pre-Medical Professional (PMP) Concentration Required Courses					
Course	Course Title	Credits	Course	Course Title	Credits
BISC 1111 ^{a,b}	Intro Biology: Cells & Molecules*	4	BISC 3261 or CHEM 3165	Intro to Biochemistry or Biochemistry I	3
BISC 1112 ^{a,b}	Intro Biology: The Biology of Organisms	4	MATH 1220, 1221 ^b , 1231 ^{a,b} , or 1232 ^{a,b}	Calculus with Precalculus I (or higher level MATH)	3
CHEM 1111 ^{a,b}	General Chemistry I	4	PHYS 1011 ^{a,b} and 1012 ^{a,b} or PHYS 1021 ^{a,b} and 1022 ^{a,b} or PHYS 1025 ^b and 1026 ^b	General or University Physics or University Physics with Biological Applications I and II	8
CHEM 1112 ^{a,b}	General Chemistry II	4			
CHEM 2151/2153	Organic Chemistry I and Lab	4	PSYC 1001 ^a or SOC 1001	General Psychology or Intro to Sociology	3

CHEM 2152/2154	Organic Chemistry II and Lab	4			
Total Pre-Medical Professional (PMP) Concentration Requirements					41

^a Students who receive AP credit for these courses do not need to repeat them at GW. However, medical schools will expect that students have a minimum of 8 credit hours of upper level BISC coursework **with lab components** and may expect students to have a specific number of semesters/credits of CHEM coursework and advanced PHYS coursework.

^b These courses may also satisfy GenEd requirements

Additional Courses Recommended for Pre-Medical Professionals		
Course	Course Title	Credits
BISC 2202	Cell Biology	3
BISC 2207/2208	Genetics & Lab	3-4
BISC 2322	Human Physiology	3
BISC 2337W	Intro Microbiology	4
Additional Recommended Credits		13-14

BS Public Health – PMP Concentration - Must Fulfill the Following Degree Requirements	
General Education Requirements (GenEd)	13-16 Credits*
Pre-Medical Professional (PMP) Concentration Requirements	41 Credits
All Public Health Core Curriculum/Research Methods Requirements <ul style="list-style-type: none"> • C- or better required in core Public Health courses 	34 Credits
Public Health Electives <ul style="list-style-type: none"> • Please see the “Guided Electives” worksheet for a list of approved courses • C- or better required in Public Health Electives 	12 Credits
General Electives <ul style="list-style-type: none"> • General Electives total includes those additional courses recommended for pre-medical professionals, if taken 	17-20 Credits
Total Number of Credits	120

*Some of the PMP concentration requirements will also be counted as GenEd credits. Any of the 1000-level science courses required for the PMP concentration satisfy the Scientific Reasoning GenEd requirement, reducing total additional GenEd credits required to 16. MATH 1221, 1231, or 1232 satisfy both the PMP concentration math requirement and the Quantitative Reasoning GenEd requirement, further reducing total additional GenEd credits required to 13. Because MATH 1220 satisfies a PMP concentration requirement but not the Quantitative Reasoning GenEd requirement, PMP concentration students who take MATH 1220 must take an additional MATH or STAT GenEd course, bringing their total additional GenEd credits required to 16.

III. Pre-Health Professionals (PHP) Concentration:

The pre-health professionals (PHP) concentration is comprised of two components: a set of required core courses applicable to all pre-health professions and a set of additional required courses applicable to specific health care professions (Nursing, Physician Assistant, Physical Therapy, or Dentistry). If interested in a healthcare field outside of Medicine, Nursing, Physician Assistant, Physical Therapy, or Dentistry, students should work with the Pre-Health Advisor (prehealth@gwu.edu) to identify the best courses to take (in addition to the required core courses) most applicable to the health discipline of interest to the student. Please note that graduate and doctoral program requirements may vary, so please

review program-specific admissions requirements and consult with the pre-health advisor as soon as possible. Talk with your Academic Advisor on how these courses can fit into your four-year plan.

Pre-Health Professionals (PHP) Concentration Required Core Courses					
Course	Course Title	Credits	Course	Course Title	Credits
BISC 1111 ^{a,b}	Intro Biology: Cells & Molecules	4	EXNS 1111	Anatomy & Physiology II	4
BISC 1112 ^{a,b}	Intro Biology: The Biology of Organisms	4	BISC 2336 and BISC 2337	Microbiology and Microbiology Lab	4
CHEM 1111 ^{a,b}	General Chemistry I	4	MATH 1220, 1221 ^b , 1231 ^{a,b} , or 1232 ^{a,b}	Calculus with Precalculus I (or higher-level MATH)	3
CHEM 1112 ^{a,b}	General Chemistry II	4			
EXNS 1110	Anatomy & Physiology I	4	PSYC 1001 ^a	General Psychology	3
Total Pre-Health Professionals (PHP) Concentration Core Requirements					34

^a Students who receive AP credit for these courses do not need to repeat them at GW. Students should check with specific graduate programs to assess whether there are minimum expectations for advanced coursework in BISC, CHEM, and/or MATH.

^b These courses also satisfy GenEd requirements.

Pre-Health Professionals (PHP) Concentration Track-Specific Requirements (courses taken in addition to the PHP Concentration Required Core Courses)					
Pre-Nursing Track			Pre-Physician Assistant (PA) Track		
Course	Course Title	Credits	Course	Course Title	Credits
EXNS 2119	Introduction to Nutrition Science	3	CHEM 2151/2153	Organic Chemistry I	4
HSCI 2105	Current Issues in Bioethics	3	CHEM 2152/2154	Organic Chemistry II	4
PSYC 2013 ^b	Developmental Psychology	3	BISC 3165 or CHEM 3165	Biochemistry I	3
SOC 1001	Introduction to Sociology	3	BISC 2207/2208	Genetics and Lab	4
TOTAL TRACK-SPECIFIC CREDITS		12	TOTAL TRACK-SPECIFIC CREDITS		15
Pre-Physical Therapy (PT) Track			Pre-Dentistry Track		
Course	Course Title	Credits	Course	Course Title	Credits
PHYS 1011 ^{a,b}	General Physics I	4	CHEM 2151/2153	Organic Chemistry I	4
PHYS 1012 ^{a,b}	General Physics II	4	CHEM 2152/2154	Organic Chemistry II	4
PSYC 2013 ^b	Developmental Psychology	3	BISC 3165 or CHEM 3165	Biochemistry	3
TOTAL TRACK-SPECIFIC CREDITS		11	PHYS 1011 ^{a,b}	General Physics I	4
			PHYS 1012 ^{a,b}	General Physics II	4

		BISC 2207/2208, 2202, or 3212	Genetics, Cell Biology, or Immunology	3-4
TOTAL TRACK-SPECIFIC CREDITS				22-23

^a Students who receive AP credit for these courses do not need to repeat them at GW. Students should check with specific graduate programs to assess whether there are minimum expectations for advanced coursework in PHYS.

^b These courses may also satisfy GenEd requirements.

BS Public Health – Pre-Health Professionals (PHP) Concentration - Must Fulfill the Following Degree Requirements:	
General Education Requirements (GenEd)	10-16 Credits*
Pre-Health Professionals (PHP) Concentration Requirements <ul style="list-style-type: none"> This includes PHP core courses <i>plus</i> PHP track-specific requirements 	45-57 Credits
All Public Health Core Curriculum/Research Methods Requirements <ul style="list-style-type: none"> C- or better required in core Public Health courses 	34 Credits
Public Health Electives <ul style="list-style-type: none"> Please see the “Guided Electives” worksheet for a list of approved courses C- or better required in Public Health Electives 	12 Credits
General Electives	1-19 Credits
Total Number of Credits	120

*Some of the PHP concentration core and track-specific requirements will also be counted as GenEd credits. Any of the 1000-level science courses required for the PHP concentration core satisfy the Scientific Reasoning GenEd requirement, reducing total additional GenEd credits required to 16. MATH 1221, 1231, or 1232 satisfy both the PMP concentration core math requirement and the Quantitative Reasoning GenEd requirement, further reducing total additional GenEd requirements to 13 total. Because MATH 1220 satisfies a PMP concentration requirement but not the Quantitative Reasoning GenEd requirement, PMP concentration students who take MATH 1220 must take an additional MATH or STAT GenEd course, bringing their total additional GenEd credits required to 16. Students in the pre-nursing and pre-physical therapy tracks must take PSYC 2013, which satisfies 3 of the 6 Social Science GenEd required credits, reducing total additional GenEd credits required to 13 for students who take MATH 1220 to satisfy the PMP concentration core math requirement and to 10 for students who take MATH 1221, 1231, or 1232.

EXPECTATIONS OF STUDENTS/POLICIES

1. Consult your GWSPH Undergraduate Program Advisor prior to the first term’s course registration and in future terms as needed. Students are expected to consult a program advisor in all matters affecting the program of study, such as substitutions, or withdrawals.
2. Students following the PMP or pre-health concentrations must consult with the University Pre-Health advising team (<https://prehealth.gwu.edu/>) regarding pre-health expectations and procedures.
3. Students must earn a C- or higher in all courses required for the major (core and elective) to graduate with a BSPH major. All BSPH core and guided elective courses must be taken for a letter grade.
4. Students can double-count BSPH courses toward another major and/or minor’s requirements only if the other program allows it.
5. Students are responsible for reviewing, understanding, and following the policies and requirements as outlined in the GWSPH Undergraduate Student Handbook (<https://publichealth.gwu.edu/content/services-students>) and the University’s Bulletin (www.gwu.edu/~bulletin/).
6. Students must earn a minimum of 120 total credits and satisfy all course requirements for the Public Health major (and concentrations, if applicable) as listed above.

7. Students must complete all BSPH core courses at GW. Students may complete up to 9 BSPH guided elective credits at another university in accordance with GW's transfer credit requirements, if the course(s) are pre-approved by the BSPH Program Director.

Course Descriptions, program information, and registration information can be found on the website: <http://publichealth.gwu.edu/academics> and <http://bulletin.gwu.edu/courses/PUBH/>.

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PUBLIC HEALTH ELECTIVES, 2022-2023

Students may petition the BSPH program director for approval of a GW elective not listed below (syllabus must be provided).

AMERICAN STUDIES

AMST 3950	Topics: Narrative Medicine in American History <i>only</i>	3
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ANTHROPOLOGY

ANTH 3503	Psychological Anthropology	3
ANTH 3504	Illness, Healing, and Culture	3
ANTH 3513/3513W	Anthropology of Human Rights	3

BUSINESS ADMINISTRATION

BADM 1004	The Age of Globalization	3
BADM 4101/4101W	Business Ethics and the Legal Environment	3

BIOCHEMISTRY

BIOC 3560	Diet, Health, & Longevity	3
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BIOLOGICAL SCIENCES

BISC 2450	Organic Evolution	3
BISC 3450 or 3450W	Evolutionary Medicine	3

COMMUNICATION

COMM 3179	Sexual Communication	3
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COMPUTER SCIENCE

CSCI 1011	Introduction to Programming with Java	3
CSCI 1012	Introduction to Programming with Python	3
CSCI 1121	Introduction to C Programming	3

ECONOMICS

ECON 2151	Economic Development	3
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EMERGENCY HEALTH SERVICES

EHS 2109	Infectious Disease and Bioterrorism	3
EHS 2160	Disaster Response Planning and Management	3
EHS 3174	Foundations of Emergency Health Services Systems	3
EHS 3175	Community Risk Management and Safety in EHS	3
EHS 4101	Humanitarian Relief Operations	3

EXERCISE & NUTRITION SCIENCES

EXNS 1114	Community Nutrition	3
EXNS 1199	Topics in EXNS: International Nutrition <i>only</i>	3
EXNS 2116	Exercise and Health Psychology	3
EXNS 2119	Introduction to Nutrition Science	3
EXNS 2122	Food Systems in Public Health	3
EXNS 2123	Nutrition and Chronic Disease	3
EXNS 3995 ¹	Undergraduate Research	0-6

GEOGRAPHY

GEOG 1003	Society and Environment	3
GEOG 2104	Introduction to Cartography and GIS	3
GEOG 2127	Population Geography	3
GEOG 2137	Environmental Hazards	3
GEOG 3105	Techniques of Spatial Analysis	3
GEOG 3106	Intermediate GIS	3

HEALTH & WELLNESS

HLWL 1106	Drug Awareness	3
HLWL 1109	Human Sexuality	3

HEALTH SCIENCES

HSCI 2050	Foundations of Health Equity	3
HSCI 2101	Psychological Aspects of Health (Residential only)	3
HSCI 2105	Current Issues in Bioethics (students can receive BSPH elective credit for either HSCI 2105 or PUBH 3151W, but cannot receive BSPH elective credit for both)	3
HSCI 2110	Disease Prevention and Health Promotion Concepts	3
HSCI 2118	Global Women's Health	1
HSCI 3100	Applied Health Equity in Washington, DC	1
HSCI 4103	Health Care Law/Regulation (students can receive BSPH elective credit for either HSCI 4103 or PUBH 3136, but cannot receive BSPH elective credit for both)	3

HISTORY

HIST 3363	Race, Medicine, and Public Health	3
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HONORS

HONR 2047/2047W	Self and Society Seminar (Pediatric Ethics topic <i>only</i>)	3
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INFORMATION SYSTEMS TECHNOLOGY MANAGEMENT

ISTM 3119	Introduction to Programming	3
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ITALIAN

ITAL 3300	Italian Literature & Culture- Pandemics in Italian Literature& Film <i>only</i>	3
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PHILISOPHY

PHIL 2124/2124W	Philosophies of Disability	3
PHIL 2125/2125W	Philosophy of Race and Gender	3
PHIL 2281	Philosophy of the Environment	3

POLITICAL SCIENCE

PSC 2240	Welfare, Work, and Poverty	3
PSC 2367	Human Rights	3

PSYCHOLOGY

PSYC 3128	Health Psychology	3
PSYC 3199	Substance Abuse and Addictions	3

PUBLIC HEALTH

PUBH 1102	History of Public Health	3
PUBH 2113	Impact of Culture Upon Health	3
PUBH 2114	Environment, Health and Development	3
PUBH 2117	Service Learning in Public Health	3
PUBH 3115	Global Health and Human Rights	3
PUBH 3116	Global Health Systems Performance	3
PUBH 3136	Health Law	3
PUBH 3150	Sustainable Energy and Environmental Health	3
PUBH 3151W	Current Issues in Bioethics (or HSCI 2105, not both)	3
PUBH 3199	Various Topics in Public Health	1-3
PUBH 3201	Introduction to Bioinformatics	3
PUBH 3202	Introduction to Genomics	3
PUBH 3995 ¹	Undergraduate Research	1-6
PUBH 4199 ¹	Independent Study	1-6
PUBH 4201	Practical Computing	3
PUBH 4202	Bioinformatics, Algorithms, and Data Structures	3

SOCIOLOGY

SOC 2102	Techniques of Data Analysis	3
SOC 2181	Demography + The Social World	3
SOC 2189	Special Topics in Criminal Justice: Rethinking DC Youth & Policing <i>only</i>	3

STATISTICS

STAT 2118	Regression Analysis	3
STAT 2183/2183W	Intermediate Statistics Lab/Package	3

SUSTAINABILITY

SUST 1001	Introduction to Sustainability	3
SUST 3003	World on a Plate	3

WOMEN’S, GENDER, AND SEXUALITY STUDIES

WGSS 3170	Special Topics in Women’s, Gender, and Sexuality Studies: Writing/Righting Black Girls’ and Women’s Health <i>only</i>	3
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*NOTE: Courses offered online may only be taken in the summer term

¹EXNS/PUBH 3995 and PUBH 4199: BSPH majors may apply up to 6 credits of Undergraduate Research and/or Independent Study toward their major elective requirement. All of these courses MUST be taken for a letter grade and cannot be taken Pass/No Pass