

BACHELOR OF SCIENCE WITH A MAJOR IN PUBLIC HEALTH, PRE-MEDICAL PROFESSIONS CONCENTRATION

Program Director: Elizabeth Gray

The bachelor of science with a major in public health degree program is intended to convey to students technical detail and analytic skills with a liberal arts philosophical base. It has the educational objectives of nurturing critical thinking, analysis, synthesis of information, and recognizing the historical and societal associations of current trends in public health and health care delivery. While nurturing students' capacity to think analytically and creatively, the program strives to deepen students' commitment to improving the public's health.

Students in the public health program can select the pre-medical professional concentration or the pre-health concentration. The pre-medical professional concentration is designed to help students fulfill the prerequisites for medical school. The public health program can also be taken without a concentration.

Visit the program website (<http://publichealth.gwu.edu/programs/public-health-bs/>) for additional information.

ADMISSIONS

Information on the admission process is available on the Office of Undergraduate Admissions website (<https://undergraduate.admissions.gwu.edu/>). Applications can be submitted via the Common Application (<https://go.gwu.edu/commonapp/>).

Supporting documents not submitted online should be mailed to:

Office of Undergraduate Admissions
The George Washington University
800 21st Street NW, Suite 100
Washington, DC 20052

Contact for questions:
gwadm@gwu.edu or 202-994-6040

Current GW students who wish to declare one of the SPH majors should visit the school's undergraduate admissions (<https://publichealth.gwu.edu/admissions/undergraduate-admissions/>) website.

REQUIREMENTS

The following requirements must be fulfilled: 120 credits, including 34 credits in required public health core courses, 41 or 42 credits in required concentration courses, and 12 credits in public health guided electives.

Code	Title	Credits
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SPH University General Education Requirement

One course in critical thinking in the humanities.

Two courses in critical thinking, quantitative reasoning, or scientific reasoning in the social sciences.

For exercise science and nutrition majors, this requirement must be fulfilled with one of the following: ANTH 1002, ANTH 1003, or ANTH 1004.

For public health majors, students are encouraged to take ECON 1011 as a General Education social science course, as it is a prerequisite for PUBH 3130.

One course that has an approved oral communication component .

For exercise science and nutrition majors, this requirement must be fulfilled with either COMM 1040 or COMM 1041.

For public health majors, students can chose any of the following pre-approved oral communication courses: AMST 2450, AMST 2620, ANTH 1004, ANTH 2502, CHEM 2118W, COMM 1040, COMM 1041, EAP 1010, ECON 4198W, ENGL 1365, ENGL 3918, GTCH 2003, GTCH 3101, HSSJ 4195, ORSC 2000, PHIL 2124 or PHIL 2124W, PHIL 2134, SLHS 1011, SOC 4192, SOC 4195 or SOC 4195W, SPAN 3022, SUST 2004, WLP 1020

One course in quantitative reasoning.

For exercise science and nutrition majors, this requirement must be fulfilled with one of the following: STAT 1051, STAT 1053, or STAT 1127.

Public health majors should avoid taking STAT 1051, STAT 1053, STAT 1111 or STAT 1127.

One course in scientific reasoning with laboratory experience.

For exercise science and nutrition majors, this requirement must be fulfilled with BISC 1111.

For public health majors, this requirements must be fulfilled with one of the following: BISC 1005, BISC 1006, BISC 1007, BISC 1008, BISC 1111, BISC 1112 or HONR 1033 Biology.

UW 1020 University Writing

or HONR 1015 (Origins and Evolution of Modern Thought)

After successful completion of UW 1020 or HONR 1015, 6 credits distributed over at least two different Writing in the Disciplines (WID) courses taken in separate semesters (summer counts as one semester) are required. WID courses are designated by a "W" appended to the course number.

Approved courses can be found under University General Education Requirement (<http://bulletin.gwu.edu/university-regulations/general-education/>).

Code	Title	Credits
Public health core courses		
PUBH 1010	First-Year Experience in Public Health	
PUBH 1101	Introduction to Public Health and Health Services	
PUBH 2110	Public Health Biology	
PUBH 2112	Principles of Health Education and Health Promotion	
PUBH 2140	Foundations of Research Methods	
PUBH 2142	Introduction to Biostatistics for Public Health	
PUBH 3130	Health Services Management and Economics	
PUBH 3131	Epidemiology	
PUBH 3132	Health and Environment	
PUBH 3133	Global Health and Development	
PUBH 3135W	Health Policy	
PUBH 4140W	Senior Seminar	

Code	Title	Credits
Required pre-medical professional concentration courses		
41 to 42 credits		
BISC 1111	Introductory Biology: Cells and Molecules	
BISC 1112	Introductory Biology: The Biology of Organisms	
CHEM 1111	General Chemistry I	
CHEM 1112	General Chemistry II	
CHEM 2151 & CHEM 2153	Organic Chemistry I and Organic Chemistry Laboratory I	
CHEM 2152 & CHEM 2154	Organic Chemistry II and Organic Chemistry Laboratory II	
BISC 3165	Biochemistry I	
or BISC 3261	Introductory Medical Biochemistry	
or CHEM 3165	Biochemistry I	

MATH 1221	Calculus with Precalculus II
or MATH 1231	Single-Variable Calculus I
or MATH 1232	Single-Variable Calculus II
PSYC 1001	General Psychology
or SOC 1001	Introduction to Sociology
PHYS 1011	General Physics I
or PHYS 1021	University Physics I
or PHYS 1025	University Physics I with Biological Applications
PHYS 1012	General Physics II
or PHYS 1022	University Physics II
or PHYS 1026	University Physics II with Biological Applications

Electives

12 credits in public health guided electives

Public health guided electives

Code	Title	Credits
No more than 9 of these credits can be taken through study abroad programs and/or at non-GW domestic institutions. For topics courses, only the specific topic indicated below can be counted toward this requirement. Students can petition the BS in public health program director for approval to use a GW course not listed here as elective.		
AMST 3950	Special Topics (Narrative Medicine in American History)	
AMST 4701W	Epidemics in American History	
AMST 4702W	Race, Medicine, and Public Health	
or HONR 2047	Self and Society Seminar	
or HONR 2047W	Self and Society Seminar	
ANTH 2502	Anthropology of Science and Technology: Twenty-First Century Brave New Worlds	
ANTH 3503	Psychological Anthropology	
ANTH 3504	Illness, Healing, and Culture	
ANTH 3513	Anthropology of Human Rights	
or ANTH 3513W	Anthropology of Human Rights	
ANTH 3991	Special Topics (Medical Anthropology)	
BADM 1004	The Age of Globalization	

BIOC 3560	Diet, Health, and Longevity
BISC 2339	Parasitology
BISC 2450	Organic Evolution
BISC 3450	Evolutionary Medicine
or BISC 3450W	Evolutionary Medicine
COMM 3172	Health Communication
COMM 3179	Sexual Communication
CSCI 1011	Introduction to Programming with Java
CSCI 1012	Introduction to Programming with Python
CSCI 1013	Computational Problem-Solving Across Disciplines
CSCI 1111	Introduction to Software Development
CSCI 4576	Introduction to Biomedical Computing
ECON 2151	Economic Development
ECON 3148	Health Economics
EHS 2104	Legal Aspects in Emergency Management
EHS 2105	Drug Addiction and Pain Management in the Emergency Health Services
EHS 2109	Infectious Diseases and Bioterrorism
EHS 2160	Disaster Response Planning and Management
EHS 3174	Foundations of Emergency Health Services Systems
EHS 3175	Community Risk Management and Safety in Emergency Health Services
EHS 4101	Humanitarian Relief Operations
EXNS 1114	Community Nutrition
EXNS 2116	Exercise and Health Psychology
EXNS 2119	Introduction to Nutrition Science
EXNS 2122	Food Systems in Public Health
EXNS 2123	Nutrition and Chronic Disease
EXNS 2126W	International Nutrition
EXNS 2127	Introduction to Food Policy
EXNS 3114W	Cultivating Food Justice in Urban Food Systems

EXNS 3995	Undergraduate Research *
EXNS 4199	Advanced Topics in Exercise and Nutrition Sciences (Multi-level Determinants of Childhood Obesity Prevention Strategies)
GEOG 1003	Society and Environment
GEOG 2104	Introduction to Cartography and GIS
GEOG 2127	Population Geography
GEOG 2137	Environmental Hazards
GEOG 3105	Techniques of Spatial Analysis
GEOG 3106	Intermediate Geographic Information Systems
GEOG 3143	Urban Sustainability
or GEOG 3143W	Urban Sustainability
GEOG 3275	Sustainable Food Systems
HIST 3301W	Topics: U.S. History (Epidemics in American History)
or AMST 4701W	Epidemics in American History
HIST 3301W	Topics: U.S. History (Race, Medicine, and Public Health)
or AMST 4702W	Race, Medicine, and Public Health
or HIST 3363	Race, Medicine, and Public Health
or HONR 2047	Self and Society Seminar
or HONR 2047W	Self and Society Seminar
HLWL 1106	Drug Awareness
HLWL 1109	Human Sexuality
HONR 2047	Self and Society Seminar (Pediatric Ethics)
or HONR 2047W	Self and Society Seminar
HONR 2047	Self and Society Seminar (Humanitarian Governance)
or HONR 2047W	Self and Society Seminar
HONR 2047	Self and Society Seminar (Ethics in Public Health)
or HONR 2047W	Self and Society Seminar
HONR 2047	Self and Society Seminar (Applied Health Equity)
or HONR 2047W	Self and Society Seminar

HONR 2047	Self and Society Seminar (Leading Social Change: Social Entrepreneurship in the Nonprofit Sector)	PHIL 2281	Philosophy of the Environment
or HONR 2047W	Self and Society Seminar	PSC 2224	Issues in Domestic Public Policy
HONR 2047	Self and Society Seminar (Food and Cities)	PSC 2240	Poverty, Welfare, and Work
or HONR 2047W	Self and Society Seminar	PSC 2367	Human Rights
HSCI 1108	Introduction to Food and Nutrition	PSC 2454	Humanitarianism
HSCI 2050	Foundations of Health Equity	PSC 2992	Special Topics in American Politics and Government (Race and Ethnic Politics)
HSCI 2100	Writing and Composition in the Health Sciences	PSC 3192W	Proseminar: Political Science (Healthcare Policy)
HSCI 2101	Psychosocial Aspects of Health and Illness (Residential Delivery)	PSYC 3126	Multicultural Psychology
HSCI 2105	Current Issues in Bioethics	or PSYC 3126W	Multicultural Psychology
or PUBH 3151W	Current Issues in Bioethics	PSYC 3128	Health Psychology
HSCI 2107	Healthcare in Literature	PSYC 3173	Community Psychology
HSCI 2110	Disease Prevention and Health Promotion Concepts	PSYC 3199	Current Topics in Psychology (Substance Abuse and Addictions)
HSCI 2112	Writing in the Health Sciences	PUBH 1102	History of Public Health
or HSCI 2112W	Writing in the Health Sciences	PUBH 1299	Undergraduate Public Health Study Abroad
HSCI 2118	Global Women's Health	PUBH 2117	Service Learning in Public Health
HSCI 3100	Applied Health Equity in Washington, DC	PUBH 3115	Global Health and Human Rights
HSCI 4103	Healthcare Law and Regulation (Residential Delivery)	PUBH 3150	Sustainable Energy and Environmental Health
or PUBH 3136	Health Law	PUBH 3199	Topics in Public Health (not including Research Methods Foundations or Research Methods in Public Health)
IAFF 3190	Special Topics in International Affairs (Global Mental Health: Policy, Practice, and Research)	PUBH 3299	Undergraduate Public Health Study Abroad
MGT 4085	Social Entrepreneurship	PUBH 3995	Undergraduate Research in Public Health *
MLS 2005	Plagues, Pandemics, and Epidemics	PUBH 4199	Independent Study *
PHIL 2124	Philosophies of Disability **	PUBH 6242	Clinical Epidemiology and Public Health: Reading the Research
or PHIL 2124W	Philosophies of Disability	PUBH 6243	Topics in Clinical Epidemiology and Public Health: Reading the Research
PHIL 2125	Philosophy of Race and Gender	PUBH 6378	HIV Policy in the US
or PHIL 2125W	Philosophy of Race and Gender	SOC 2102	Techniques of Data Analysis
or WGSS 2225	Philosophy of Race And Gender	SOC 2181	Special Topics in Sociology (Demography and the Social World)
PHIL 2134	Philosophy of Human Rights **		
PHIL 2136	Contemporary Issues in Ethics		

SOC 2181	Special Topics in Sociology (Health, Illness, and Society: Health Inequalities in the United States)
SOC 2189	Special Topics in Criminal Justice (Rethinking DC Youth and Policing)
STAT 2118	Regression Analysis
STAT 2183	Intermediate Statistics Lab/Packages
or STAT 2183W	Intermediate Statistical Laboratory: Statistical Computing Packages
SUST 1001	Introduction to Sustainability
SUST 3093	Topics in Sustainability (Gender and Sustainable Development)
UW 2020W	Advanced Topics in Writing (Black Girls' and Women's Health)
WGSS 3170	Topics in Women's, Gender, and Sexuality Studies (Writing/Righting Black Girl's and Women's Health)

Elective courses offered online can only be taken in the summer term.

* Up to 6 credits in EXNS 3995 Undergraduate Research and/or PUBH 3995 Undergraduate Research in Public Health and/or PUBH 4199 Independent Study can be counted toward the guided electives requirement. To count as guided electives, these courses must be taken for a letter grade, not graded on a Pass/No Pass (P/NP) basis. Up to 3 additional credits can be counted towards general electives.

** Counts toward the University General Education Requirement in oral communication.

Additional recommended courses for students pursuing the pre-medical professional concentration can be found in the BS in public health program guide, available from the School of Public Health (SPH).

Students must comply with policies and procedures outlined under University Regulations (<http://bulletin.gwu.edu/university-regulations/>) and School of Public Health regulations (<http://bulletin.gwu.edu/public-health/#regulationstext>) in this Bulletin and in the SPH BS in public health program guide. Students should pay special attention to the SPH requirements for completing human subjects research training, completing eight hours of professional enhancement activities, and passing the academic integrity quiz.