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| Text  Description automatically generated | **Milken Institute School of Public Health Bachelor of Science in Public Health 2023-2024**Note: All curriculum revisions will be updated immediately on the GWSPH website ([http://publichealth.gwu.edu](http://publichealth.gwu.edu/)). |

## Program Director GWSPH Undergraduate Advisors

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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: Bachelor of Science degrees in Public Health (with or without a Pre-Medical or Health Professional concentration), Exercise Science (with or without various concentrations), and Nutrition (with or without various concentrations); minors in Public Health, Exercise Science, Nutrition Science, and Bioinformatics; and dual BS/MPH degrees in Public Health and Nutrition. To learn more about GWSPH, visit [http://publichealth.gwu.edu.](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 professional (PMP) or pre-health professional (PHP) concentration will also acquire knowledge and skills in areas critical to pursuing a future in healthcare delivery.

# 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.

# 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 pre-medical or pre-health 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 healthcare delivery professions.

# PUBLIC HEALTH CORE COURSE COMPETENCIES

All public health students will achieve competency in the following domains through satisfactory completion of the indicated courses (i.e., earning a C- or better in each course). Upon completion of the Bachelor of Science in Public Health, students will be able to:

1. **Math/Quantitative Reasoning**: Identify and apply the concepts and applications of basic statistics (PUBH 2142, 3131, and the Research Methods Selective)
2. **Science**: Address the foundations of biological and life sciences (PUBH 2110, 2112, and 3132)
3. **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 1010, 1101, 2110, 2112, 2142,

3132, 3133, 4140W)

1. **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 1010, 1101, 2110, 2112, 2142, 3130, 3131, 3132, 3133, 3135W, 4140W, and the Research Methods Selective)
2. **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 1010, 1101, 2110, 2112, 2142, 3130, 3131, 3132, 3133, 3135W, 4140W, and the Research Methods Selective)
3. **Human Health**: Address the underlying science of human health and disease including opportunities for promoting and protecting health across the life course (PUBH 1010, 1101, 2110, 2112, 3132,

3133)

1. **Determinants of Health**: Address the socio-economic, behavioral, biological, environmental, and other factors that impact human health and contribute to health disparities (PUBH 1010, 1101, 2110, 2112, 3130, 3132, 3133, 3135W, 4140W)
2. **Project Implementation**: Address the fundamental concepts and features of project implementation, including planning, assessment, and evaluation (PUBH 2112, 3130, 3133, 4140W, and the Research Methods Selective)
3. **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)
4. **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, 2112, 3130, 3132, 3133, 3135W, 4140W, and the Research Methods Selective)
5. **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 1010, 1101, 2110, 2112, 2142, 3130, 3131, 3133, 3135W, 4140W, and the Research Methods

Selective)

# 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 (Physical Therapy, Physician Assistant, Dietitian)
	+ Government
	+ Business
	+ Health Education
	+ Health Services Administration
	+ Law
	+ Medicine, Nursing, Dentistry, and Pharmacy
	+ 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 first-year and external transfer students may apply directly to the major through the Office of Undergraduate Admissions.

Students admitted to another GW school may apply to transfer to Milken starting in their second semester: <https://registrar.gwu.edu/undergraduate-internal-transfer>. We accept transfer from students with a cumulative GPA of 2.75 or higher. Transfer requests are effective at the start of the following semester. Students must declare the Public Health major within two weeks of transferring to Milken here: [https://publichealth.gwu.edu/academics/gwsph-undergraduate-declaration-form.](https://publichealth.gwu.edu/academics/gwsph-undergraduate-declaration-form)

Current GW students who apply to transfer to the BSPH program between May 19, 2023 and May 17, 2024, as well as incoming first-year and external transfer students who start taking GW classes in the Fall 2023 or Spring 2024 semesters, will follow the curriculum described in this guide.

# DEGREE REQUIREMENTS

BSPH students must complete 120 credits to graduate, which includes required coursework in three categories: (1) University General Education Requirements; (2) Public Health Core Courses; and (3) Public Health Guided Electives. Students in the pre-medical or health concentrations will also take required courses in those concentrations.

SPH will only double count courses that are required by an SPH major or minor and required by another major or minor. Courses that may be counted as electives in either major or may or may not be double counted toward any SPH major or minor. There is an exception for the Health Equity Micro Minor. Students may double count courses taken for the Health Equity Micro Minor towards an SPH major or minor if those courses are either required by the SPH major or minor or are on an approved elective list for an SPH major or minor

## General Education Requirements (22-23 credits)

The BSPH program follows the University General Education Requirements (GPAC Tier One). **See the Bulletin for current requirements:** <http://bulletin.gwu.edu/university-regulations/general-education/>.

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| **University General Education Requirements (GenEd) Courses** |
| **University Writing** | UW 1020: UNIVERSITY WRITING or HONR 1015 | 4 |
| **Critical Thinking in the Humanities** | ONE COURSE IN THE HUMANITIES(<https://advising.columbian.gwu.edu/gpac-course-list>) | 3 |
| **Quantitative Reasoning** | ONE COURSE IN EITHER MATH OR STATISTICS(<https://advising.columbian.gwu.edu/gpac-course-list>) | 3 |
| **Scientific Reasoning** | **BISC 1005, 1006, 1007, 1008, 1111,a or 1112a OR HONR 1033 -*****Biology topic only*** | 3-4 |
| **Critical Thinking, Quantitative Reasoning, or Scientific Reasoning in the Social Sciences** | **ECON 1011**a and ONE ADDITIONAL COURSE IN THE SOCIALSCIENCES (<https://advising.columbian.gwu.edu/gpac-course-list>) | 6 |
| **Oral Communications\*** | ONE COURSE WITH AN APPROVED ORAL COMMUNICATIONS COMPONENT (***see Appendix B***) | 3 |

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| **TOTAL GenEd Credits** | **22-23** |

a Students who receive AP or IB credit for these courses do not need to repeat them at GW

\* BSPH students select from a limited, pre-approved list of GenEd Oral Communications courses – see Appendix B

## BSPH Core Prerequisite Requirements

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| ***Required Course*** | ***Prerequisite(s) – Must earn a C- or better in each prerequisite before taking the Required Course*** |
| PUBH 2110 | BISC 1005\*, 1006\*, 1007\*, 1008\*, 1111\*, 1112\*, or HONR 1033: Biology-related topic\* |
| 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 | ***Restricted to Juniors and Seniors*** |
| PUBH 3135W | PUBH 1101- Introduction to Public Health and Health Services***Restricted to Juniors and Seniors*** |
| PUBH 4140W | * PUBH 1101,
* PUBH 2110,
* PUBH 2112,
* PUBH 2142,
* PUBH 3130,
* PUBH 3131,
* PUBH 3135W,
* Research Methods Selective, AND
* PUBH 3132 and/or PUBH 3133

***Restricted to Seniors only*** |

\*These courses also satisfy GenEd requirements.

 Students who have already taken and earned a C- or better in STAT 1051, 1053, 1111, or 1127 may enroll in PUBH 3131 without first taking PUBH 2142; however, all BSPH students are still required to take PUBH 2142 even if they have already taken STAT 1051, 1053, 1111, or 1127.

¥ PUBH 2142 is not the same course as STAT 1127: Statistics for Biological Sciences.

## 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.

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| **Required Core Courses (31 Credits) – Must earn a C- or better in each Core Course** |
| **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 | 3 |
| PUBH 3132 | Health and Environment | 3 |
| PUBH 3133 | Global Health and Development | 3 |
| PUBH 3135W | Health Policy | 3 |
| PUBH 4140W | Senior Seminar or Senior Seminar: Community Needs Assessment | 3 |
| **Research Methods selective – choose one (1) of the following courses*^*:** |
| PUBH 3199 | Research Methods Foundations | 3 |

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| EXNS 3111W | Exercise and Nutrition Science Research Methods |  |
| *^Additional research methods course as pre-approved by the BSPH Program Director* |
| **Total Public Health Required Core Credits** | **34** |

## Public Health Guided Electives (12 credits)

***Students may take up to nine guided elective credits through approved study abroad programs or non- GW courses.*** Guided electives are those listed in Appendix A. Students may request the BSPH Program Director review courses not on the pre-approved guided elective list to assess whether the course is an appropriate guided elective.

***Concentration Requirements:***

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| **BS Public Health, No Concentration - Must Fulfill the Following Degree Requirements** |
| All General Education Requirements (GenEd), including Public Health Core Course prerequisites* **C- or better required in BSPH prerequisite courses** (ECON 1011 and Introductory Biology course)
 | 22-23 Credits |
| All Public Health Core Curriculum/Research Methods Requirements* **C- or better required in core Public Health courses**
 | 34 Credits |
| Public Health Guided Electives (see Appendix A)* **C- or better required in Public Health Electives**
 | 12 Credits |
| General Electives | 51-52 Credits |
| **Total Number of Credits** | **120** |

## Pre-Medical Professional (PMP) Concentration:

The pre-medical professional (PMP) concentration is comprised of two components: (1) a set of required core courses; and (2) a set of additional recommended, though not required, courses. Medical school admission requirements 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 about how these courses can fit into your four-year plan.

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| **Pre-Medical Professional (PMP) Concentration Required Courses** |
| **Course** | **Course Title** | **Credits** |  | **Course** | **Course Title** | **Credits** |
| BISC1111a,b,c | Intro Biology: Cells & Molecules\* | 4 | BISC 3165 **or**CHEM 3165 **or**BISC 3261 | Biochemistry I **or** Introductory Medical Biochemistry | 3 |
| BISC1112a,b,c | Intro Biology: TheBiology of Organisms | 4 | MATH 1220, 1221c, 1231a,c,**or** 1232a,c | Calculus with Precalculus I (or higher level MATH) | 3 |
| CHEM1111a,b,c | General Chemistry I | 4 | PHYS 1011a,b,cand 1012a,b,c; **or** PHYS 1021a,b,c and 1022a,b,c;**or** PHYS 1025band 1026b | General **or** University Physics **or** University Physics with Biological Applications | 8 |
| CHEM1112a,b,c | General Chemistry II | 4 |
| CHEM 2151/2153 | Organic Chemistry I and Lab | 4 | PSYC 1001a **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 or IB credit for these courses do not need to repeat them at GW.

b Medical schools expect students to have a minimum of 8 undergraduate credit hours of upper-level BISC coursework **with lab components** and may expect students to have a specific number of undergraduate semesters/credits of CHEM and advanced PHYS coursework.

c These courses also satisfy GenEd requirements.

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| **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 |
| **Total PMP Additional Recommended Credits** | **13-14** |

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| **BS Public Health – PMP Concentration - Must Fulfill the Following Degree Requirements** |
| General Education Requirements (GenEd)* **C- or better required in BSPH prerequisite courses** (ECON 1011 and Introductory Biology course)
 | 16-19 Credits\* |
| Pre-Medical Professional (PMP) Concentration Requirements | 41 Credits |
| All Public Health Core Curriculum/Research Methods Requirements* **C- or better required in core Public Health courses**
 | 34 Credits |
| Public Health Guided Electives (see Appendix A)* **C- or better required in Public Health Electives**
 | 12 Credits |
| General Electives* General Electives total includes additional courses recommended for pre-medical professionals, if taken
 | 14-17 Credits |
| **Total Number of Credits** | **120** |

\*Some of the PMP concentration courses also satisfy GenEd requirements. 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 19. Students taking MATH 1221, 1231, or 1232 to satisfy the PMP calculus requirement will also satisfy the Quantitative Reasoning GenEd requirement, further reducing their total additional GenEd credits required to 16.

## Pre-Health Professional (PHP) Concentration:

The pre-health professional (PHP) concentration is available for students interested in a career as a healthcare delivery professional (other than a physician). Students may select a pre-health professional track in Nursing, Physician Assistant, Physical Therapy, or Dentistry. The PHP concentrations have two components: (1) a set of required core courses applicable to all pre-health professional tracks; and (2) a set of additional track-specific required courses. If interested in a healthcare profession outside of these tracks, students should work with a pre-health advisor (prehealth@gwu.edu) to identify the courses most applicable to the student’s health discipline of interest. Graduate program requirements vary, so please review program-specific admissions requirements and consult with the pre-health advisor as soon as possible. Talk with your academic advisor about how these courses can fit into your four-year plan.

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| **Pre-Health Professionals (PHP) Concentration Required Core Courses** |
| **Course** | **Course Title** | **Credits** |  | **Course** | **Course Title** | **Credits** |
| BISC 1111a,b,c | Intro Biology: Cells | 4 | EXNS 1111 | Anatomy & Physiology II | 4 |
|  | & Molecules |  |  |
| BISC 1112a,b,c | Intro Biology: The | 4 | BISC 2336 and | Microbiology and | 4 |
|  | Biology of Organisms | BISC 2337 | Microbiology Lab |
| CHEM1111a,b,c | General Chemistry I | 4 | MATH 1220, 1221b,c,1231a,b,c, **or**1232a,b,c | Calculus with Precalculus I (or higher-level MATH) | 3 |
| CHEM1112a,b,c | General Chemistry II | 4 |
| EXNS 1110 | Anatomy & | 4 | PSYC 1001a | General Psychology | 3 |
|  | Physiology I |  |  |
| **Total Pre-Health Professionals (PHP) Concentration Core Requirements** | **34** |

a Students who receive AP or IB credit for these courses do not need to repeat them at GW.

b Students should check with specific graduate programs to assess whether there are minimum expectations for advanced coursework in BISC, CHEM, and/or MATH.

c These courses also satisfy GenEd requirements.

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| **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** |
| EXNS2119 | Introduction to NutritionScience | 3 | CHEM2151/2153 | Organic Chemistry I &Lab | 4 |
| HSCI 2105 | Current Issues inBioethics | 3 | CHEM2152/2154 | Organic Chemistry II &Lab | 4 |
| PSYC 2013b | Developmental Psychology | 3 | BISC 3165 **or**CHEM 3165 **or**BISC 3261 | Biochemistry I **or**Introductory Medical Biochemistry | 3 |
| SOC 1001 | Introduction to Sociology | 3 | BISC 2207/2208 | Genetics and Lab | 4 |
| **Total Nursing Track-Specific Credits** | **12** | **Total PA Track-Specific Credits** | **15** |
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| **Pre-Physical Therapy (PT) Track** |  | **Pre-Dentistry Track** |
| **Course** | **Course Title** | **Credits** | **Course** | **Course Title** | **Credits** |
| PHYS1011a,b | General Physics I | 4 | CHEM2151/2153 | Organic Chemistry I &Lab | 4 |
| PHYS1012a,b | General Physics II | 4 | CHEM2152/2154 | Organic Chemistry II &Lab | 4 |
| PSYC2013b | DevelopmentalPsychology | 3 | BISC 3165 **or**CHEM 3165 **or**BISC 3261 | Biochemistry I **or**Introductory Medical Biochemistry | 3 |
| **Total PT Track-Specific Credits** | **11** | PHYS 1011a,b | General Physics I | 4 |
| PHYS 1012a,b | General Physics II | 4 |
| BISC2207/2208,2202, **or** 3212 | Genetics, Cell Biology,or Immunology | 3-4 |
| **Total Dentistry-Track Specific Credits** | **22-23** |

a Students who receive AP or IB 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 also satisfy GenEd requirements.

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| **BS Public Health – Pre-Nursing Professional Concentration - Must Fulfill the Following Degree Requirements:** |
| General Education Requirements (GenEd)* **C- or better required in BSPH prerequisite courses** (ECON 1011 and Introductory Biology course)
 | 13-16 Credits\*,¥,  |
| Pre-Nursing Professional Concentration Requirements* This includes PHP core courses *plus* pre-nursing track-specific requirements
 | 46 Credits |
| All Public Health Core Curriculum/Research Methods Requirements* **C- or better required in core Public Health courses**
 | 34 Credits |
| Public Health Guided Electives (see Appendix A)* **C- or better required in Public Health Electives**
 | 12 Credits |
| General Electives | 12-15 Credits |
| **Total Number of Credits** | **120** |

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| **BS Public Health – Pre-Physical Therapy Professional Concentration - Must Fulfill the Following Degree Requirements:** |
| General Education Requirements (GenEd)* **C- or better required in BSPH prerequisite courses** (ECON 1011 and Introductory Biology course)
 | 13-16 Credits\*, ¥,  |
| Pre-Physical Therapy Professional Concentration Requirements* This includes PHP core courses *plus* pre-PT track-specific requirements
 | 45 Credits |
| All Public Health Core Curriculum/Research Methods Requirements* **C- or better required in core Public Health courses**
 | 34 Credits |
| Public Health Guided Electives (see Appendix A)* **C- or better required in Public Health Electives**
 | 12 Credits |
| General Electives | 13-16 Credits |
| **Total Number of Credits** | **120** |

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| **BS Public Health – Pre-Physician Assistant Concentration - Must Fulfill the Following Degree Requirements:** |
| General Education Requirements (GenEd)* **C- or better required in BSPH prerequisite courses** (ECON 1011 and Introductory Biology course)
 | 16-19 Credits\*,  |
| Pre-Physician Assistant Concentration Requirements* This includes PHP core courses *plus* pre-PA track-specific requirements
 | 49 Credits |
| All Public Health Core Curriculum/Research Methods Requirements* **C- or better required in core Public Health courses**
 | 34 Credits |
| Public Health Guided Electives (see Appendix A)* **C- or better required in Public Health Electives**
 | 12 Credits |
| General Electives | 6-9 Credits |
| **Total Number of Credits** | **120** |

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| **BS Public Health – Pre-Dentistry Concentration - Must Fulfill the Following Degree Requirements:** |
| General Education Requirements (GenEd)* **C- or better required in BSPH prerequisite courses** (ECON 1011 and Introductory Biology course)
 | 16-19 Credits\*,  |
| Pre-Dentistry Concentration Requirements* This includes PHP core courses *plus* pre-dentistry track-specific requirements
 | 56-57 Credits |

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| All Public Health Core Curriculum/Research Methods Requirements* **C- or better required in core Public Health courses**
 | 34 Credits |
| Public Health Guided Electives (see Appendix A)* **C- or better required in Public Health Electives**
 | 12 Credits |
| General Electives | 0-2 Credits |
| **Total Number of Credits** | **120-122** |

\*Some of the PHP concentration core and track-specific courses also satisfy GenEd requirements. 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 19.

¥ Students in the pre-nursing and physical therapy tracks must take PSYC 2013, which counts as 1 of 2 required Social Science GenEd courses, reducing their additional GenEd credits required to 16.

 Students taking MATH 1221, 1231, or 1232 to satisfy the PHP calculus requirement will also satisfy the Quantitative Reasoning GenEd requirement, further reducing their total GenEd credits required to 16 (for pre-physician’s assistant and dentistry track students) or 13 (for pre-nursing and physical therapy students).

**EXPECTATIONS OF STUDENTS/POLICIES**

1. Consult your GWSPH Undergraduate Academic Advisor prior to registration for your first semester in the program and in future semesters as needed. Students must consult an advisor in all matters affecting the program of study, such as substitutions or withdrawals.
2. Students following the pre-medical or health professional concentrations must consult with the pre- health advising team (<https://prehealth.gwu.edu/>) regarding pre-health expectations and procedures.
3. Students must take all BSPH core, guided elective, and pre-requisite courses for a letter grade.
4. Students must earn a C- or higher in all courses required for the major (core, elective, and pre- requisite) to graduate with a BSPH major.
5. Students can double-count BSPH core courses toward another major or minor’s requirements if the other program allows it.
6. Students cannot double-count required or elective courses applied to another major or minor toward BSPH guided elective requirements. The only exceptions to this policy are courses taken for the Health Equity Micro-Minor, which students may also apply toward BSPH guided elective requirements (if the course is an approved BSPH guided elective).
7. Students are responsible for reviewing, understanding, and following the policies and requirements as outlined in the SPH Undergraduate Student Handbook ([https://publichealth.gwu.edu/content/services-](https://publichealth.gwu.edu/content/services-students) [students](https://publichealth.gwu.edu/content/services-students)) and the University Bulletin (<http://bulletin.gwu.edu/>).
8. 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.
9. Students may apply up to three Lifestyle, Sport, and Physical Activity (LSPA) credits toward their degree as general elective credits. LSPA credits beyond the three permitted will not count toward the 120 credit requirement for graduation.
10. Students must complete all BSPH core courses at GW. Students may complete up to nine BSPH guided elective credits at another university in accordance with GW’s transfer credit requirements, if each course(s) is pre-approved by the BSPH Program Director.

**Course Descriptions, program information, and registration** information are located on the website: <https://publichealth.gwu.edu/academics/programs/undergraduate> and [http://bulletin.gwu.edu/public-](http://bulletin.gwu.edu/public-health/undergraduate-programs/) [health/undergraduate-programs/.](http://bulletin.gwu.edu/public-health/undergraduate-programs/)



## Appendix A: Public Health Guided Electives, Academic Year 2023-2024

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

**AMERICAN STUDIES**

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| AMST 3950 | Topics: Narrative Medicine in American History *only* | 3 |
| AMST 4701W | Epidemics in American History | 3 |
| AMST 4702W | Race, Medicine, and Public Health | 3 |

**ANTHROPOLOGY**

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

**BUSINESS ADMINISTRATION**

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| BADM 1004 | The Age of Globalization | 3 |

**BIOCHEMISTRY**

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| BIOC 3560 | Diet, Health, & Longevity | 3 |

**BIOLOGICAL SCIENCES**

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

**COMMUNICATION**

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| COMM 3172 | Health Communication | 3 |
| COMM 3179 | Sexual Communication | 3 |

**COMPUTER SCIENCE**

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| CSCI 4576 | Introduction to Biomedical Computing | 3 |

**ECONOMICS**

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| ECON 2148 | Survey of Health Economics | 3 |
| ECON 2151 | Economic Development | 3 |
| ECON 3148 | Health Economics | 3 |

**EMERGENCY HEALTH SERVICES**

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| EHS 2104 | Legal Aspects in Emergency Management | 3 |
| EHS 2105 | Drug Addiction and Pain Management in the Emergency HealthServices | 1 |

|  |  |  |
| --- | --- | --- |
| 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 *only* | 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 2127 | Introduction to Food Policy | 3 |
| EXNS 39951 | 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 |
| GEOG 3143/3143W | Urban Sustainability | 3 |
| GEOG 3275 | Sustainable Food Systems | 3 |

**HEALTH & WELLNESS**

|  |  |  |
| --- | --- | --- |
| HLWL 1106 | Drug Awareness | 3 |
| HLWL 1109 | Human Sexuality | 3 |

**HEALTH SCIENCES**

|  |  |  |
| --- | --- | --- |
| HSCI 1108 | Introduction to Food and Nutrition | 3 |
| HSCI 2050 | Foundations of Health Equity | 3 |
| HSCI 2100 | Writing and Composition in the Health Sciences | 3 |
| HSCI 2101 | Psychosocial Aspects of Health and Illness | 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 2112/2112W | Writing in the Health Sciences | 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 3301W | Topics: U.S. History – Epidemics in American History (*same course as AMST 4701W and HONR 2048W*) or Race, Medicine, and PublicHealth *only* | 3 |
| HIST 3363 | Race, Medicine, and Public Health | 3 |

**HONORS**

|  |  |  |
| --- | --- | --- |
| HONR 2047/2047W | Self and Society Seminar - Pediatric Ethics; Humanitarian Governance;Ethics in Public Health; Race, Medicine, and Public Health *only* | 3 |
| HONR 2048W | Self and Society Seminar - Epidemics in American History *only* (samecourse as HIST 3301W and AMST 4701W) | 3 |

**MANAGEMENT**

|  |  |  |
| --- | --- | --- |
| MGT 4085 | Social Entrepreneurship | 3 |

**PHILISOPHY**

|  |  |  |
| --- | --- | --- |
| PHIL 2124/2124W | Philosophies of Disability | 3 |
| PHIL 2125/2125W | Philosophy of Race and Gender (*same course as WGSS 2225*) | 3 |
| PHIL 2134 | Philosophy of Human Rights | 3 |
| PHIL 2136 | Contemporary Issues in Ethics | 3 |
| PHIL 2281 | Philosophy of the Environment | 3 |

**POLITICAL SCIENCE**

|  |  |  |
| --- | --- | --- |
| PSC 2224 | Issues in Domestic Public Policy | 3 |
| PSC 2240 | Poverty, Welfare, and Work | 3 |
| PSC 2367/2367W | Human Rights | 3 |
| PSC 2454 | Humanitarianism | 3 |
| PSC 2992 | Special Topics in American Politics and Government – Race and EthnicPolitics *only* | 3 |

**PSYCHOLOGY**

|  |  |  |
| --- | --- | --- |
| PSYC 3126/3126W | Multicultural Psychology | 3 |
| PSYC 3128 | Health Psychology | 3 |
| PSYC 3199 | Substance Abuse and Addictions | 3 |
| PSYC 3173 | Community Psychology | 3 |

**PUBLIC HEALTH**

|  |  |  |
| --- | --- | --- |
| PUBH 1102 | History of Public Health | 3 |
| PUBH 2117 | Service Learning in Public Health | 3 |
| PUBH 3115 | Global Health and Human Rights | 3 |
| PUBH 3136 | Health Law | 3 |
| PUBH 3150 | Sustainable Energy and Environmental Health | 3 |
| PUBH 3151W | Current Issues in Bioethics | 3 |
| PUBH 3199 | Various Topics in Public Health (*not including Research Methods**Foundations OR Research Methods in Public Health*) | 1-3 |
| PUBH 3201 | Introduction to Bioinformatics | 3 |
| PUBH 3202 | Introduction to Genomics | 3 |

|  |  |  |
| --- | --- | --- |
| PUBH 39951 | Undergraduate Research | 1-6 |
| PUBH 41991 | 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 | Special Topics in Sociology – Demography + The Social World andHealth, Illness, and Society: Health Inequalities in the United States *only* | 3 |
| SOC 2189 | Special Topics in Criminal Justice – Rethinking DC Youth & Policing*only* | 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 |

**UNIVERSITY WRITING**

|  |  |  |
| --- | --- | --- |
| UW 2020W | Advanced Topics in Writing – Black Girls’ and Women’s Health *only* | 3 |

**WOMEN’S, GENDER, AND SEXUALITY STUDIES**

|  |  |  |
| --- | --- | --- |
| WGSS 2225 | Philosophy of Race and Gender (*same course as PHIL 2125*) | 3 |
| WGSS 3170 | Special Topics in Women’s, Gender, and Sexuality Studies –Writing/Righting Black Girls’ and Women’s Health *only* | 3 |

\* NOTE: Students may only take courses offered online during the summer term, even if the course is an approved guided elective and not offered residentially in the fall or spring term

1 BSPH majors may apply up to 6 credits of Undergraduate Research (EXNS 3995 and/or PUBH 3995) and/or Independent Study (PUBH 4199) toward their guided electives requirement. These courses MUST be taken for a letter grade and cannot be taken Pass/No Pass if applied toward the BSPH guided elective requirement.



## Appendix B: Oral Communications GenEd Courses Approved for BSPH Students

*Note: BSPH students MUST take a course from this list to satisfy their GPAC Tier One Oral Communication requirement*

* [**AMST 2010**](http://bulletin.gwu.edu/search/?P=AMST%2B2010) **Early American Cultural History** *(same as* [*HIST 2010*](http://bulletin.gwu.edu/search/?P=HIST%2B2010)*)*
* [**AMST 2450**](http://bulletin.gwu.edu/search/?P=AMST%2B2450) **History and Meaning of Higher Education in the United States**
* [**AMST 2620**](http://bulletin.gwu.edu/search/?P=AMST%2B2620) **Human Mind and Artificial Intelligence**
* [**ANTH 1004**](http://bulletin.gwu.edu/search/?P=ANTH%2B1004) **Language in Culture and Society**
* [**ANTH 2502**](http://bulletin.gwu.edu/search/?P=ANTH%2B2502) **Anthropology of Science and Technology: Twenty-First Century Brave New Worlds**
* [**CHEM 2118W**](http://bulletin.gwu.edu/search/?P=CHEM%2B2118W) **Practicing Science Communications**
* [**COMM 1040**](http://bulletin.gwu.edu/search/?P=COMM%2B1040) **Public Communication**
* [**COMM 1041**](http://bulletin.gwu.edu/search/?P=COMM%2B1041) **Interpersonal Communication**
* [**EAP 1010**](http://bulletin.gwu.edu/search/?P=EAP%2B1010) **Oral Academic Communication for International Students** *- restricted to international students*
* [**ECON 4198W**](http://bulletin.gwu.edu/search/?P=ECON%2B4198W) **Proseminar in Economics** *- restricted to ECON double-majors*
* [**ENGL 1365**](http://bulletin.gwu.edu/search/?P=ENGL%2B1365) **Literature and the Environment**
* [**ENGL 3918**](http://bulletin.gwu.edu/search/?P=ENGL%2B3918) **Literature and Medicine**
* [**GTCH 2003**](http://bulletin.gwu.edu/search/?P=GTCH%2B2003) **Step 1 and 2 Hybrid: Inquiry Approaches to Teaching and Lesson Design**
* [**GTCH 3101**](http://bulletin.gwu.edu/search/?P=GTCH%2B3101) **Knowing and Learning in Mathematics and Science**
* [**HSSJ 4195**](http://bulletin.gwu.edu/search/?P=HSSJ%2B4195) **Senior Capstone** *- restricted to HSSJ double-majors*
* [**ORSC 2000**](http://bulletin.gwu.edu/search/?P=ORSC%2B2000) **Sophomore Colloquium: Diversity in Organizations** *- restricted to CCAS double- majors in their sophomore year who have CCAS as their home school*
* [**PHIL 2124**](http://bulletin.gwu.edu/search/?P=PHIL%2B2124)[**/PHIL 2124W**](http://bulletin.gwu.edu/search/?P=PHIL%2B2124W) **Philosophies of Disability** *– double counts as a BSPH guided elective*
* [**PHIL 2134**](http://bulletin.gwu.edu/search/?P=PHIL%2B2134) **Philosophy of Human Rights**
* [**PSTD 1010**](http://bulletin.gwu.edu/search/?P=pSTD%2B1010) **Introduction to Peace Studies and Conflict Resolution**
* [**SLHS 1011**](http://bulletin.gwu.edu/search/?P=SLHS%2B1011) **Voice and Diction** *(same as* [*SPHR 1011*](http://bulletin.gwu.edu/search/?P=SPHR%2B1011)*)*
* [**SOC 4192**](http://bulletin.gwu.edu/search/?P=SOC%2B4192) **Advanced Seminar in Criminal Justice** *- restricted to Criminal Justice double-majors*
* [**SOC 4195**](http://bulletin.gwu.edu/search/?P=SOC%2B4195)[**/SOC 4195W**](http://bulletin.gwu.edu/search/?P=SOC%2B4195W) **Senior Research Seminar** *- restricted to SOC double-majors*
* [**SPAN 3022**](http://bulletin.gwu.edu/search/?P=SPAN%2B3022) **Advanced Oral Proficiency: Environmental and Social Sustainability in Latin America**
* [**WLP 1020**](http://bulletin.gwu.edu/search/?P=WLP%2B1020) **Writing, Literature, and Society** *- restricted to WLP students*