

Program Director:

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Mission:

The mission of the Global Health Epidemiology and Disease Control Program is to prepare the next generation of global health professionals to develop and rigorously appraise programs for the control of infectious and chronic diseases as well as injuries informed by a thorough assessment of the best available evidence. This will provide students with requisite skills to effectively contribute to improved program performance, and better decisions and policies for investment of scarce resources in low and middle income countries and in underserved communities around the world.

Goals:

The goals of the Global Health Epidemiology and Disease Control Program are to prepare students to be applied epidemiologists in public health program implementation and evaluation who know how to:

- Utilize epidemiological tools to generate evidence on interventions targeted to infectious and chronic disease/injury control.
- Work within real-world settings to strengthen methodological rigor of program priority setting and evaluation.
- Generate and use data for assessing burden of disease, determining efficacy and effectiveness of interventions for infectious/chronic diseases and injuries.
- Translate evidence to support program and health systems improvements and policy recommendations.
- Communicate the results of research to a broad set of constituents.

PROGRAM COMPETENCIES

Department Competencies and Program-Specific Competencies:

1. Apply epidemiological and multi-disciplinary concepts to identify, analyze and address global health challenges including burden of illness and the determinants and distribution disease in populations.

Relevant courses:

- PUBH 6400 Global Health Frameworks
- PUBH 6247 Design of Health Studies

2. Select the appropriate qualitative and/or quantitative methods depending on the specific research or programmatic need and apply underlying principles to design and conduct such studies including observational and experimental designs, screening programs, and public health surveillance.

Relevant courses:

- PUBH 6247 Epidemiologic Methods 1 Design of Health Studies

- PUBH 6853 Stat Packages/Data Management & Data Analysis
- PUBH 6252 Epidemiologic Methods 2 Advanced Epidemiologic Methods

3. Apply appropriate data analysis methods and interpret the results from epidemiological studies.

Relevant courses:

- PUBH 6247 Epidemiologic Methods 1 Design of Health Studies
- PUBH 6853 Stat Packages/Data Management & Data Analysis
- PUBH 6252 Epidemiologic Methods 2 Advanced Epidemiologic Methods

4. Interpret and critique research and best practices to inform the development of evidence-based solutions for global health challenges.

Relevant courses:

- PUBH 6247 Epidemiologic Methods 1 Design of Health Studies
- PUBH 6252 Epidemiologic Methods 2 Advanced Epidemiologic Methods
- PUBH 6486 Global Health Programs and Approaches to the Control of Infectious Diseases
- PUBH 6492 Global Health Programs and Approaches to the Control of Chronic Diseases

5. Communicate evidence on global health topics to a variety of audiences including technical experts, policymakers, lay audiences, and other relevant stakeholders.

Relevant courses:

- PUBH 6400 Global Health Frameworks
- PUBH 6419 GH Culminating Experience II

6. Work in a multidisciplinary team to identify and address the ethical issues of global health programs, policies and research.

Relevant courses:

- PUBH 6416 Ethical and Cultural Issues in Global Health Research and Programs
- PUBH 6400 Global Health Frameworks

7. Engage with diverse individuals, organizations, and communities with respect for different values, beliefs and practices.

Relevant courses:

- PUBH 6416 Ethical and Cultural Issues in Global Health Research and Programs

8. Analyze multilevel determinants of problems in global health that form the basis for disease control strategies and interventions.

Relevant courses:


- PUBH 6400 Global Health Frameworks
- PUBH 6486 Global Health Programs and Approaches to the Control of Infectious Diseases
- PUBH 6492 Global Health Programs and Approaches to the Control of Chronic Diseases

Program Requirements:

Please make sure to follow the program guide for the academic year in which you matriculated into the program.

MPH students who select the MPH in Global Health Epidemiology and Disease Control enroll in Core Courses (19 credits), Program-Specific Courses (16 credits), and general electives (10 credits). The total 45 credit degree program also includes a Culminating Experience (2 credits) where students apply their didactic education in a real world setting.

Note that due to overlap of content with PUBH 6486, PUBH 6234 is NOT permitted as an elective for students in the MPH in Global Health Epidemiology and Disease Control

|  | | | Master of Public Health Global Health Epidemiology and Disease Control Program-at-a-Glance 2021-2022 | | |
|---|--|-----------|---|--------|-------|
| Begin Planning Your Culminating Project 11-12 Months Prior to Program Completion | | | | | |
| Required Core Courses (19 credits) | | | | | |
| Course# | Required Core Course | Credits | Semesters Offered | | Grade |
| | | | Residential | Online | |
| PUBH 6002 | Biostatistical Applications for Public Health | 3 | Fall, Sp, Sum | All | |
| PUBH 6003 | Principles and Practice of Epidemiology | 3 | Fall, Sp, Sum | All | |
| PUBH 6007 | Social and Behavioral Approaches to Public Health | 2 | Fall, Sp, Sum | All | |
| PUBH 6009 | Fundamentals of Program Evaluation (Prerequisite: 6007) | 2 | Fall, Sp, Sum | All | |
| PUBH 6011 | Environmental and Biological Foundations of Public Health | 3 | Fall, Sp, Sum | All | |
| PUBH 6012 | Fundamentals of Health Policy: Public Health and Healthcare | 2 | Fall, Sp, Sum | All | |
| PUBH 6021 | Leading Self and Teams in Public Health | 1 | Fall, Sp, Sum | All | |
| PUBH 6022 | Essentials of Public Health Practice and Leadership I: Leading Self and Teams in Public Health | 1 | Fall, Sp, Sum | All | |
| PUBH 6023 | Essentials of Public Health Practice and Leadership II: Managing Organizations and Influencing Systems in PH Prerequisite: PUBH 6021 | 0 | Fall, Sp, Sum | All | |
| PUBH 6418 | GH Culminating Experience I: Proposal Development | 1 | Fall, Sp, Sum | | |
| PUBH 6419 | GH Culminating Experience II (prerequisite 6418) | 1 | Fall, Sp, Sum | | |
| PUBH 6000 | MPH Applied Practice Experience | 0 | Fall, Sp, Sum | n/a | |
| Total Core Credits | | 19 | | | |
| Required Global Health Departmental Courses (16 credits) | | | | | |
| Course # | Required Departmental Courses | Credits | Semesters Offered | | Grade |
| | | | Residential | Online | |

| | | | | | |
|--|---|-----------|----------|-----------|--|
| PUBH 6400 | Global Health Frameworks | 2 | Fall | Fall, Sp2 | |
| PUBH 6247 | Epidemiologic Methods 1 Design of Health Studies | 3 | Fall, Sp | | |
| PUBH 6252 | Epidemiologic Methods 2 Advanced Epidemiologic Methods (Prerequisite: PUBH 6247) | 3 | Fall, Sp | | |
| 6853 (old # 6249) | Stat Packages/ Data Management & Data Analysis | 3 | Fall, Sp | | |
| PUBH 6416 | Ethical and Cultural Issues in Global Health Research and Programs | 1 | Fall, Sp | | |
| PUBH 6486 | Global Health Programs and Approaches to the Control of Infectious Diseases (Prerequisite: PUBH 6003) | 2 | Fall | Fall, Sp2 | |
| PUBH 6492 | Global Health Programs and Approaches to the Control of Chronic Diseases (Prerequisite: PUBH 6400, 6003) | 2 | Fall | | |
| Total Program Required Credits | | 16 | | | |
| ELECTIVE COURSES | | | | | |
| A minimum of 10 credits- any PUBH graduate course | | | | | |
| Total Elective credits | | 10 | | | |
| Total Degree Credits | | 45 | | | |

Advising Tips

Always see your advisor for course scheduling and sequencing strategies, but remember that proper course selection, fulfilling requirements, and on-time graduation are your responsibilities.

The Master of Public Health (MPH) curriculum consists of four types of courses (45 credits):

As an accredited School of Public Health, students in all GWSPH MPH programs are also required to fulfill both an interprofessional team experience and an applied practice experience. GWSPH has incorporated these requirements into the curriculum as follows:

Interprofessional Education (IPE) Experience:

- Following (or simultaneous to) enrollment in PUBH 6021 *Essentials in Public Health Practice & Leadership I: Leading Self and Teams* (1-credit), students will be required to select an IPE experience from a host of options provided throughout your enrollment as a MPH student to participate in a one-time, case-based or activity-based learning experience. The IPE experience is a way to experience working with people from other professions/programs outside of public health. Students will have many opportunities to register for this zero-credit (no fee) IPE 'class' (PUBH 6023- *Interprofessional Education Experience*) and will receive credit upon successful completion.

Applied Practice Experience (Practicum):

- The applied practice experience allows each student to individually demonstrate attainment of public health competencies. Information about the Practicum will be introduced in PUBH 6021 so students may begin planning for their practice experience. Detailed information and an introduction to the necessary tools will be provided by departmental practicum staff and faculty. Students are required to fulfill all requirements of the 120 hour Practicum experience to receive credit for this PUBH 6000. Note that before completing the 120 hours practicum experience students must fulfill the following pre-requisites: 6002, 6003, 6400, 6416, 6247, 6853

Graduation Requirements

1. **Graduate Credit Requirement:** 45 graduate credits are required.
2. **Course Requirements:** Successful completion of the Core Courses and the Program-Specific Courses are required.
3. **Practicum Requirement:** Students are required to fulfill all requirements of the Applied Practice Experience (Practicum) to receive credit for PUBH 6000.
4. **Interprofessional Education Experience (IPE):** Students are required to enroll and participate in an authorized IPE activity (PUBH 6023).
5. **Grade Point Requirement:** A 3.0 (B average) overall grade point average is required.
6. **Time Limit Requirement:** The degree must be completed within five years.
7. **Transfer Credit Policy:** Up to 12 graduate credits that have not been applied to a previous degree may be transferred to the MPH upon approval. Credits must have been earned from an accredited institution in the last 3 years with a grade point of 3.0 or better.
8. **CITI Training requirement:** All students are required to complete training regarding human subject protection regulation and the Health Insurance Portability and Accountability Act of 1996 (HIPAA). To fulfill this requirement, you must complete the Collaborative IRB Training Initiative (CITI) Course in The Protection of Human Research Subjects.
9. **Integrity Quiz & Plagiarism requirement:** All students are required to review the George Washington University Code of Academic Integrity and take the quiz within their first semester of study. The Code of Integrity and step-by-step instructions can be found here: <http://publichealth.gwu.edu/integrity>
10. **Professional Enhancement requirement:** Students must participate in 8 hours per degree program of advisor pre-approved Public Health-related lectures, seminars, and symposia, related to your field of study. Students must submit documentation of Professional Enhancement activities to the Office of Student Records. The documentation consists of the Professional Enhancement Form <http://publichealth.gwu.edu/academics/forms>

The Department of Global Health
Global Health Epidemiology and Disease Control MPH Program
Course Mapping Example
2021-2022

The following are advising tips relating to course sequencing:

- All students must take PUBH 6400 *Global Health Frameworks*, PUBH 6003 *Principles and Practice of Epidemiology*, and PUBH 6002 *Biostatistical Applications for Public Health* during their first fall semester.
- PubH 6247 *Design of Health Studies* is a prerequisite for PubH 6252 *Advanced Epidemiological Methods*
- PubH 6003 *Principles and Practices of Epidemiology* and PubH 6400 *Global Health Frameworks* are prerequisites for PubH 6486 *Global Health Programs and Approaches to the Control of Infectious Diseases* and PubH 6492 *Global Health Programs and Approaches to the Control of Chronic Diseases*

The Global Health Epidemiology and Disease Control program contains a total of 10 elective credits that must be chosen from the list of elective courses provided in the program guide or approved by your advisor. Elective courses are often offered once per year, so students should plan which courses to take in advance. The ‘Elective Course(s)’ credits listed in the below course maps indicate the suggested distribution of these elective credits, but students can choose to distribute them however they feel fit. Students are advised to work with their advisor when deciding on electives.

Example 1: This schedule is fast paced and suggested for students that are confident in their academic and quantitative abilities. This schedule allows for students to spend their final spring semester working domestically or abroad.

| 1 st year Fall | | 1 st year Spring | | 1 st year Summer | |
|--|-----------|---|-----------|---|----------|
| | Credits | | Credits | | Credits |
| 6400 Global Health Frameworks | 2 | 6007 Social & Behavioral Approaches to Health | 2 | 6009 Fundamentals of Program Evaluation | 2 |
| 6002 Biostatistical Applications for Public Health | 3 | 6247 Epidemiologic Methods 1 Design of Health Studies | 3 | 6011 Environmental and Biological Foundations of Public Health | 3 |
| 6003 Principles and Practice of Epidemiology | 3 | 6853 Stat Packages/Data Management & Data Analysis | 3 | Elective(s) | 2 |
| 6012 Fundamentals of Health Policy: Public Health and Healthcare | 2 | Elective(s) | 3 | | |
| 6021 Leading Self and Teams in Public Health | 1 | | | | |
| 6416 Ethical and Cultural Issues in Global Health Research & Programs | 1 | | | | |
| Total semester credits | 12 | Total semester credits | 11 | Total semester credits | 7 |
| 2 nd year Fall | | 2 nd year Spring | | 2 nd year Summer | |
| 6252 Epidemiologic Methods 2 Advanced Epidemiologic Methods | 3 | 6419 GH Culminating Experience I | 1 | Many students choose to finish their CE or practical hours over the summer. | |
| 6486 Global Health Programs and Approaches to the Control of Infectious Diseases | 2 | 6023 Interprofessional Education Experience | 0 | | |
| 6492 Global Health Programs and Approaches to the Control of Chronic Diseases | 2 | Elective(s) | 2 | | |
| 6418 GH Culminating Experience I: Proposal Development | 1 | | | | |
| 6022 Managing Organizations and Influencing Systems in PH | 1 | | | | |
| Elective(s) | 3 | | | | |
| Total semester credits | 12 | Total semester credits | 3 | Total semester credits | |

Example 2: This schedule is slower paced and recommended for students that are working more, just returning to school, or would generally enjoy a slower paced program.

| 1 st year Fall | | 1 st year Spring | | 1 st year Summer | |
|--|-----------|---|-----------|--|----------|
| | Credits | | Credits | | Credits |
| 6400 Global Health Frameworks | 2 | 6416 Ethical and Cultural Issues in Global Health Research & Programs | 1 | 6011 Environmental and Biological Foundations of Public Health | 3 |
| 6002 Biostatistical Applications for Public Health | 3 | 6247 Epidemiologic Methods 1 Design of Health Studies | 3 | Elective(s) | 3 |
| 6003 Principles and Practice of Epidemiology | 3 | 6853 Stat Packages/Data Management & Data Analysis | 3 | | |
| 6021 Leading Self and Teams in Public Health | 1 | 6007 Social & Behavioral Approaches to Health | 2 | | |
| Total semester credits | 9 | Total semester credits | 9 | Total semester credits | 6 |
| 2 nd year Fall | | 2 nd year Spring | | 2 nd year Summer | |
| 6252 Epidemiologic Methods 2 Advanced Epidemiologic Methods | 3 | 6012 Fundamentals of Health Policy: Public Health and Healthcare | 2 | 6419 GH Culminating Experience II | 1 |
| 6486 Global Health Programs and Approaches to the Control of Infectious Diseases | 2 | 6009 Fundamentals of Program Evaluation | 2 | 6023 Interprofessional Education Experience | 0 |
| 6492 Global Health Programs and Approaches to the Control of Chronic Diseases | 2 | 6418 GH Culminating Experience I: Proposal Development | 1 | | |
| 6022 Managing Organizations and Influencing Systems in PH | 1 | | | | |
| Elective(s) | 2 | Elective(s) | 5 | | |
| Total semester credits | 10 | Total semester credits | 10 | Total semester credits | 1 |

Example 3: Part-time student schedule. This schedule is recommended for part-time students. We recommend that students who will be working full-time attend the program part-time.

| 1 st year Fall | | 1 st year Spring | | 1 st year Summer | |
|--|----------|---|----------|--|----------|
| | Credits | | Credits | | Credits |
| 6400 Global Health Frameworks | 2 | 6002 Biostatistical Applications for Public Health | 3 | | |
| 6003 Principles and Practice of Epidemiology | 3 | 6247 Epidemiologic Methods 1 Design of Health Studies | 3 | 6007 Social & Behavioral Approaches to Health | 2 |
| 6021 Leading Self and Teams in Public Health | 1 | | | 6011 Environmental and Biological Foundations of Public Health | 3 |
| Total semester credits | 6 | Total semester credits | 6 | Total semester credits | 5 |
| 2 nd year Fall | | 2 nd year Spring | | 2 nd year Summer | |
| 6486 Global Health Programs and Approaches to the Control of Infectious Diseases | 2 | 6853 Stat Packages/Data Management & Data Analysis | 3 | 6012 Fundamentals of Health Policy: Public Health and Healthcare | 2 |
| 6492 Global Health Programs and Approaches to the Control of Chronic Diseases | 2 | 6416 Ethical and Cultural Issues in Global Health Research & Programs | 1 | 6009 Fundamentals of Program Evaluation | 2 |
| | | | | 6022 Managing Organizations and Influencing Systems in PH | 1 |
| Elective(s) | 3 | Elective(s) | 3 | | |
| Total semester credits | 7 | Total semester credits | 7 | Total semester credits | 5 |
| 3 rd year Fall | | 3 rd year Spring | | 3 rd year Summer | |
| 6252 Epidemiologic Methods 2 Advanced Epidemiologic Methods | 3 | 6419 GH Culminating Experience II | 1 | | |
| 6418 GH Culminating Experience I: Proposal Development | 1 | Elective(s) | 1 | | |
| Elective(s) | 3 | 6023 Interprofessional Education Experience | 0 | | |
| Total semester credits | 7 | Total semester credits | 2 | | |