

FOOD SYSTEMS, THE ENVIRONMENT & PUBLIC HEALTH, CERTIFICATE

Food Systems, the Environment and Public Health

Please Note: Certificate program may be completed entirely online!

OVERVIEW

Food systems are at the nexus of many of today's most significant public health challenges, including climate change, over- and under-nutrition, inequitable access to resources, and harmful exposures to workers and communities. Students earning the Certificate in Food Systems, the Environment and Public Health learn to apply a systems lens to understand the critical role of food systems in advancing public health and environmental sustainability. The certificate curriculum can be customized to meet the needs of full-time, part-time, and online students.

EDUCATIONAL OBJECTIVES

Students completing the certificate program will be able to:

1. Define and describe the concepts of food systems, food security, food system sustainability, and resilience.
2. Describe how food systems and food production practices affect the public's health with attention to equity and the historical trends that shaped today's food system.
3. Use a systems perspective to analyze and apply critical thinking to inter-relationships within food systems, specifically among diet, food production, the environment and public health.
4. Analyze strengths and weaknesses of political, social, and economic policies and other interventions to improve food systems.
5. Apply selected skills (such as research methodologies, communication, advocacy and behavior change) to promote healthy and sustainable food systems.

SPONSORING DEPARTMENT

Environmental Health and Engineering

ADMISSIONS

Contact information and complete certificate program admissions information are available on the certificate program page (<https://publichealth.jhu.edu/academics/food-systems-the-environment-and-public-health-certificate-program/>) on the Bloomberg School of Public Health website.

REQUIREMENTS FOR SUCCESSFUL COMPLETION

Please note: Certificate program may be completed entirely online

The certificate program requires a minimum of 18 term credits. All required and elective courses must be taken for a letter grade; a minimum grade of C is required in all certificate coursework and students must maintain a 2.75 or better overall GPA for all certificate coursework. The certificate program length is flexible; however, the certificate must be completed within three years.

The student should review the section of the website that addresses completion (<https://publichealth.jhu.edu/academics/certificate-programs/requirements-for-successful-completion-of-a-certificate-program/>) before completing certificate program requirements. The student's transcript will not indicate that the certificate was earned until the Notification of Completion has been submitted, verified by the certificate program, and processed by the Registrar.

COURSE OF STUDY

Students should check the Bloomberg School course directory (<https://publichealth.jhu.edu/courses/>) to confirm when the courses are offered. Students should also check prerequisites and whether instructor consent is required.

Code	Title	Credits
All students must complete the following courses:		
PH.550.860	Academic & Research Ethics at JHSPH (All students are required to complete this noncredit online course in their first term of study)	
PH.180.620	Introduction to Food Systems and Public Health (typically offered online in 1st term)	4
Core Elective Courses: Students must complete a minimum of two courses from Group A and one from Group B, totaling a minimum of ten credits.		
<i>Group A (Food Systems): Select a minimum of two courses from the following:</i>		
PH.180.605	Food Systems Practicum (typically offered onsite in 2nd term)	4
PH.180.606	Case Studies in Food Production and Public Health (typically offered online in 4th term)	4
PH.180.635	Seafood and Public Health: Global Trade, Nutrition and the Environment (typically offered online in 3rd term)	3
PH.180.644	Food System Resilience (typically offered online in 2nd term)	2
PH.180.655	Baltimore Food Systems: A Case Study of Urban Food Environments (typically offered onsite in 4th term)	4
<i>Group B (Food and the Environment): Select a minimum of one course from the following:</i>		
PH.180.607	Climate Change and Public Health (typically offered onsite and synchronous online in 3rd term)	3
PH.180.611	The Global Environment, Climate Change, and Public Health (typically offered onsite in 1st term)	4

PH.182.640	Food- and Water- Borne Diseases (typically offered onsite in 3rd term)	3	PH.308.701	Media Interviews and Applied Public Health Communications (typically offered onsite in the 4th term and sometimes in the Summer, Fall, and Winter Institutes. *Enrollment is prioritized to DrPH and MPH students.)	3
PH.185.600	One Health Tools to Promote and Evaluate Healthy and Sustainable Communities (typically offered online in 4th term)	3	PH.410.611	Under Pressure: Health, Wealth & Poverty (Typically offered onsite and hybrid in the 4th term)	3
PH.188.682	A Built Environment for A Healthy and Sustainable Future (typically offered online in 4th term)	3	PH.410.612	Sociological Perspectives on Health (typically offered onsite and synchronous online in 1st term)	3
PH.221.611	Food Security and Nutrition in Humanitarian Emergencies (typically offered onsite in 4th term)	2	PH.410.620	Program Planning for Health Behavior Change (typically offered onsite in 1st term and online in 4th term, Winter Institute, and Summer Institute)	3
PH.222.654	Food, Culture, and Nutrition (typically offered onsite in 4th term)	4	PH.410.650	Introduction to Persuasive Communications: Theories and Practice (typically offered onsite in 2nd term and online in Winter Institute)	4
PH.222.657	Food and Nutrition Policy (typically offered onsite in 1st term)	2	PH.410.663	Media Advocacy and Public Health: Theory and Practice (typically offered onsite in 4th term)	3
PH.222.665	Planning for Food Systems and Public Health (typically offered onsite and synchronous online in 3rd term)	3	PH.410.672	Organizing for Public Health with the Six Steps to Effective Advocacy: Turning Public Will into Public Policy	3
PH.224.630	Food Systems for Health Problem Solving Seminar: Lessons from American Indian Communities (typically offered online in 1st term)	3	<i>Recommended Courses for Non-Degree Students: Students who are not enrolled in a degree program at BSPH are strongly encouraged to complete one or more of the following courses. These credits cannot count towards Group A or B requirements but can count towards the fulfillment of the 18-credit requirement to complete the certificate program</i>		
PH.308.660	Food Industry, Politics and Public Health (typically offered online in 4th term)	3			
PH.380.740	Nutrition Programs, Policy and Politics in the United States: the Impact on Maternal, Child and Family Health (typically offered online in 2nd term)	3	PH.552.601	Foundational Principles of Public Health (typically offered online in Summer, 1st, 2nd and 3rd terms)	0.5
PH.700.630	Food Ethics (typically offered onsite in 4th term)	3	PH.552.607	Essentials of Environmental Health (typically offered online in 1st, 2nd, and 3rd terms)	0.5
<i>Additional Recommended Courses: Students may select up to one course below to complete a total of 18 certificate credits</i>			PH.552.610	The Social Determinants of Health (typically offered online in Summer, 1st, 2nd and 3rd terms)	0.5
PH.180.625	Community-Driven Epidemiology and Environmental Justice (typically offered onsite and synchronous online in 3rd term)	3	PH.552.612	Essentials of One Health (typically offered online in 0.5 1st and 4th terms)	0.5
PH.185.601	One Health Seminar (typically offered onsite and synchronous online in 4th term)	1			
PH.188.688	Global Sustainability & Health Seminar (typically offered onsite and synchronous online in 2nd and 4th terms. Students may take 2 terms of this course for 2 credits)	1			
PH.221.654	Systems Thinking in Public Health: Applications of Key Methods and Approaches (typically offered online in 2nd and 4th terms)	3			
PH.224.689	Health Behavior Change At the Individual, Household and Community Levels (typically offered onsite in 2nd term)	4			
PH.260.848	Community-Based Practice Through Civic Engagement (typically offered online in 4th term)	2			
PH.224.690	Qualitative Research Theory and Methods (typically offered online in 1st term and onsite in 3rd term)	3			
PH.221.662	Health, Equity, and Economic Development (typically offered onsite in 3rd term)	3			
PH.221.663	Globalization and Health: Framework for Analysis ((typically offered onsite in 4th term and online in Summer Institute)	3			
PH.305.684	Health Impact Assessment (typically offered online in 3rd term)	3			
PH.317.600	Introduction to the Risk Sciences and Public Policy (typically offered onsite in 1st term and online in 3rd term)	4			