

# PUBLIC HEALTH ECONOMICS, CERTIFICATE

## Public Health Economics Certificate Program OVERVIEW

The certificate program in Public Health Economics is designed for graduate degree students and junior and mid-level professionals pursuing a career in public health, health care, health services, and health policy who wish to use economic tools to improve the health of populations. This certificate program is only available to students who are able to attend classes in Baltimore; it cannot be completed through online and institute courses.

## EDUCATIONAL OBJECTIVES

Students who complete the certificate program will be able to:

1. Describe the appropriate role of cost-effectiveness and economic reasoning in the policy-making process for health care in the United States and around the world
2. Participate in the conduct of economic evaluations related to new health interventions and health systems, health services, or public health interventions
3. Perform statistical and other analytic or modeling tasks necessary to complete cost-effectiveness analyses
4. Apply economic theory to predict responses to changes in policies and incentives provided by changes in the health system, in health services provision, or in public health
5. Contribute to the interpretation of economic evaluations and analyses for policy purposes

## Admissions

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

## Sponsoring Departments

Health Policy and Management (<https://publichealth.jhu.edu/departments/health-policy-and-management/>)  
International Health (<https://publichealth.jhu.edu/departments/international-health/>)  
Population, Family and Reproductive Health (<https://publichealth.jhu.edu/departments/population-family-and-reproductive-health/>)

## REQUIREMENTS FOR SUCCESSFUL COMPLETION

The certificate program requires a minimum of 24 term credits. All courses (except seminar) 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 and varies from student to student; 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 the 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 BSPH course directory (<https://publichealth.jhu.edu/courses/>) to confirm when courses are offered.

Students should also check for prerequisites and whether instructor consent is required.

Code	Title	Credits
PH.550.860	Academic & Research Ethics at BSPH (All students are required to complete this online noncredit course in their first term of study)	

### Required Statistical Courses: Students must complete one of the following statistical series (A, B, or C)

#### Statistical Series A

PH.140.621	Statistical Methods in Public Health I (typically offered onsite and online in 1st term)	4
PH.140.622	Statistical Methods in Public Health II (typically offered onsite and online in 2nd term)	4
PH.140.623	Statistical Methods in Public Health III (typically offered onsite and online in 3rd term)	4

#### Statistical Series B

PH.140.651	Methods in Biostatistics I (typically offered onsite and online in 1st term)	4
PH.140.652	Methods in Biostatistics II (typically offered onsite and online in 2nd term)	4
PH.140.653	Methods in Biostatistics III (typically offered onsite and online in 3rd term)	4
PH.140.654	Methods in Biostatistics IV (typically offered onsite and online in 4th term)	4

#### Statistical Series C for Applied Economics Program students

AS.440.606	Econometrics	3
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### Required Health Economics Course: Students must complete Sequences D and E

#### Economics Sequence D

PH.313.601	Economic Evaluation I (typically offered online and onsite in 1st term)	3
PH.313.602	Economic Evaluation II (typically offered onsite and online in 2nd term)	3

#### Economics Sequence E: Student may select either 313.643 or 313.641

PH.313.641	Introduction to Health Economics (typically offered online in 3rd term)	3
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#### OR

PH.313.643	Health Economics (typically offered online in 2nd term)	3
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### Elective Courses: Students should select one elective course from the list below

PH.221.644	Econometric Methods for Evaluation of Health Programs (typically offered onsite in 3rd term)	4
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PH.300.651	Introduction to the U.S. Healthcare System (typically offered onsite in 1st term and online in 2nd and 4th terms)	4
PH.309.620	Managed Care and Health insurance (typically offered onsite in 3rd term)	3
PH.309.716	Advanced Methods in Health Services Research: Analysis (typically offered onsite in 1st term)	3
PH.313.603	Economic Evaluation III (typically offered onsite and online in 3rd term)	3
PH.313.604	Economic Evaluation IV (typically offered onsite in 4th term)	3
PH.313.644	Intermediate Health Economics (typically offered onsite and online in 3rd term)	3
AS.440.601	Microeconomic Theory	3
AS.440.602	Macroeconomic Theory	3
AS.440.622	Cost-Benefit Analysis	3