PUBLIC HEALTH ECONOMICS

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

CONTACT INFORMATION

Sponsoring Departments
Health Policy and Management (http://www.jhsph.edu/dept/hpm/)
International Health (http://www.jhsph.edu/dept/IH/)
Population, Family and Reproductive Health (http://www.jhsph.edu/dept/pfrh/)

Certificate Program Contact
Pamela Davis
HPM_certificates@jhu.edu

Faculty Sponsor
Matthew Eisenberg (https://www.jhsph.edu/faculty/directory/profile/3217/matthew-d-eisenberg/)

ELIGIBILITY

The certificate program is offered to masters and doctoral students currently enrolled in any division of the Johns Hopkins University, with the exception of JHSPH MAS students, who are not eligible to apply until they have completed their degree program. It is also offered to junior and mid-career level professionals who have at least a baccalaureate degree from an accredited college or university and a strong record of successful academic performance. Prospective students should have an interest in applying economic tools to improve the health of populations.

ADMISSIONS PROCESS

All applicants must review the General Certificate Guidelines page (http://e-catalog.jhu.edu/public-health/certificates/#newitemtext), which provides important information about how to apply to a certificate program.

APPLYING TO THE CERTIFICATE PROGRAM AS A JHU GRADUATE STUDENT

Students already enrolled in a graduate program at JHU are not required to submit the School’s electronic admissions application, but must submit declaration of intent (http://e-catalog.jhu.edu/public-health/certificates/public-health-econ/Econ_intent_form.pdf) prior to starting coursework.

Start terms: It is possible to begin the certificate program only in these terms: 1, & 3.

APPLYING TO THE CERTIFICATE PROGRAM AS A NON-DEGREE STUDENT

Students who are not currently enrolled in a graduate program at JHU are required to apply to certificate programs using SOPHAS Express (https://sophasexpress.liaisoncas.com/applicant-ux/#/login). All non-degree applicants should review the general Certificates Admissions (http://e-catalog.jhu.edu/public-health/certificates/#newitemtext) page for instructions on how to apply to a certificate program and application deadlines.

Start terms: It is possible to begin the certificate program only in these terms: 1,2,3, & 4.

TOEFL/IELTS: Required.

Prerequisites or special requirements: None

REQUIREMENTS FOR SUCCESSFUL COMPLETION

The certificate program requires a minimum of 29 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; it 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 (http://e-catalog.jhu.edu/public-health/certificates/#courserequirementstext) 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 JHSPH course directory (https://www.jhsph.edu/courses/) to confirm when courses are offered. Students should also check for prerequisites and whether instructor consent is required.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>PH.550.860</td>
<td>Academic &amp; Research Ethics at JHSPH (All students are required to complete this noncredit course in their first term of study)</td>
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### 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 4
- PH.140.622 Statistical Methods in Public Health II 4
- PH.140.623 Statistical Methods in Public Health III 4
- PH.140.624 Statistical Methods in Public Health IV 4

#### Statistical Series B
- PH.140.651 Methods in Biostatistics I 4
- PH.140.652 Methods in Biostatistics II 4
- PH.140.653 Methods in Biostatistics III 4
- PH.140.654 Methods in Biostatistics IV 4

#### Statistical Series C for Applied Economics Program students
- AS.440.605 Statistics 3
- AS.440.606 Econometrics 3

### Required Health Economics Course: Students must complete Sequences E, F, G, and H

#### Economics Sequence E
- PH.313.601 Economic Evaluation I 3

#### Economics Sequence F: Student may select either 313.643 or 313.641 or 313.610
- PH.313.641 Introduction to Health Economics 3
- PH.313.643 Health Economics 3
- PH.313.610 Health Economics for Managers 3

#### Economics Sequence G
- PH.313.602 Economic Evaluation II 3

#### Economics Sequence H: There is one option, offered during 2 terms each year. Certificate students are only required to take 1 term.
- PH.313.861 Public Health Economics Seminar 1

### Elective Courses: Students should select one elective course from the list below
- PH.221.619 Introduction to Microeconomics 3
- PH.221.644 Econometric Methods for Evaluation of Health Programs 4
- PH.300.651 Introduction to the U.S. Healthcare System 4
- PH.309.620 Managed Care and Health insurance 3
- PH.309.670 Comparative Health insurance 3
- PH.309.716 Advanced Methods in Health Services Research: Analysis 3
- PH.313.603 Economic Evaluation III 3
- PH.313.604 Economic Evaluation IV 3
- PH.313.644 Intermediate Health Economics 3
- PH.380.756 Poverty, Economic Development, and Health 4
- AS.440.601 Microeconomic Theory 3
- AS.440.602 Macroeconomic Theory 3
- AS.440.622 Cost-Benefit Analysis 3