

# DEMOGRAPHIC METHODS

## Certificate Program in Demographic Methods OVERVIEW

The certificate is designed to serve two audiences—master's or doctoral degree students at The Johns Hopkins University and interested professionals desiring to gain skills in applying demographic analytic methods to identify or forecast public health problems and evaluate the effectiveness of policies or interventions aimed at mitigating them. Demographic analytic methods are used to calculate denominators of health measures. They, along with epidemiology methods, are used to develop profiles of those at risk for health/disease conditions, evaluate health care interventions, forecast health resource needs, and inform health care policies and planning based on accurate projections of at-risk groups.

## EDUCATIONAL OBJECTIVES

Students completing the certificate will gain competency in:

1. Knowledge of the comparative strengths and weaknesses of different methods of demographic analysis
2. Appropriate application of demographic methods to the analysis of a range of population and health issues
3. Critical evaluation of the public health implications of results from applications of different demographic and population analysis methods

## CONTACT INFORMATION

### Sponsoring Department

Population, Family and Reproductive Health (<http://www.jhsph.edu/dept/pfrh/>)

### Certificate Program Contact

Gilbert Morgan  
(410) 614-6676

[gmorga13@jhu.edu](mailto:gmorga13@jhu.edu)

### Faculty Sponsor

L (<https://www.jhsph.edu/faculty/directory/profile/2243/li-liu/>)i Liu

## ELIGIBILITY

The certificate program is open to currently enrolled masters and doctoral students at the Bloomberg School of Public Health, with the exception of MAS students who are not eligible to apply until they have completed their primary degree program. It is open to students in graduate programs at Johns Hopkins University, as well as to individuals who are not currently enrolled in the university who have an interest in demographic methods.

## 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 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

## 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 email the Certificate Program Contact ([gmorga13@jhu.edu](mailto:gmorga13@jhu.edu)) prior to starting coursework.

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

## REQUIREMENTS FOR SUCCESSFUL COMPLETION

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://www.jhsph.edu/academics/certificate-programs/completion.html>) 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 (<http://www.jhsph.edu/courses/>) to confirm when courses are offered, as the term and time may change from what is listed in the table below and some courses are only offered every other year. Students should also check for pre-requisites and whether instructor consent is required.

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

### Students must complete the following two required courses

PH.380.603	Demographic Methods for Public Health	4
PH.380.605	Advanced Demographic Methods in Public Health	4

### Students must complete at least ten credits of elective courses from the list below

PH.140.640	Statistical Methods for Sample Surveys	3
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PH.221.627	Issues in the Reduction of Maternal and Neonatal Mortality in Low income Countries	4
PH.221.641	Measurement Methods in Humanitarian Emergencies	2
PH.380.600	Principles of Population Change	4
PH.380.662	Critiquing the Research Literature in Maternal, Neonatal, and Reproductive Health	4
PH.380.711	Issues in Survey Research Design	3
PH.380.712	Methods in Analysis of Large Population Surveys	3
PH.380.750	Migration and Health: Concepts, Rates, and Relationships	3
PH.380.758	Demographic Estimation for Developing Countries	4