GLOBAL DIGITAL HEALTH, CERTIFICATE

Global Digital Health Certificate

Digital health refers to the development and use of digital technologies (which includes m/eHealth, health informatics, teledmedicine, data analytics, big data, artificial intelligence) utilized in and throughout health systems to improve health.

The Global Digital Health Certificate program provides concrete training grounded in real-world challenges and informed by leading-edge scholarship - in the contexts of digital health use in low- and middle-income country settings, focused on methodology, monitoring and evaluation of digital health interventions, and digital health leadership skills.

This certificate program is for those students interested in digital health and pursuing a terminal master’s program who plan to join academic, government, or private-sector employment, and for those students who plan to pursue additional advanced degrees (e.g., DrPH, PhD).

EDUCATIONAL OBJECTIVES

Upon completion of the program, individuals will be able to:

- Identify and describe key types of digital interventions applied to improve a variety of health services and the essential components for implementing digital health intervention;

- Discuss and examine the practical issues related to the implementation of digital health interventions as well as the social, political, and economic factors that influence global digital health research and priorities - this includes discussions around ethics/privacy considerations, research and evaluation methods, novel interventions, partnership building, and stakeholder engagement;

- Critically appraise technical considerations for the selection, adaptation, and implementation considerations for various digital health platforms;

- Develop requirements, data flow diagrams, and a process to conceptualize implementation of digital health interventions;

- Develop an implementation and evaluation plan for a digital health intervention, which includes explaining key reporting requirements, describing different innovative methodologies that could be utilized to evaluate such interventions, differentiating strengths and weaknesses of evaluation methods, and selecting the appropriate quantitative and qualitative data collection methods.

Sponsoring Department:

International Health (https://publichealth.jhu.edu/departments/international-health/)

Admissions

Complete certificate program admissions information and contact information is available on the certificate program page (https://publichealth.jhu.edu/academics/global-digital-health-certificate-program/) on the Bloomberg School of Public Health website.

REQUIREMENTS FOR SUCCESSFUL COMPLETION

The certificate program requires a minimum of 18 term credits including 7 term credits of core required courses for the Global Digital Health Certificate program. Additionally, students must take a minimum of 3 credits from each of the following focal areas: Methods & Skills, Health Informatics, and Leadership & Management. After completing these 16 term credit requirements, students may opt to complete the remaining credits amongst any of the focal areas.

All certificate coursework must be taken for a letter grade, a minimum grade of C must be earned in all certificate coursework, and a 2.75 or better overall GPA for all certificate coursework is required. 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 (https://publichealth.jhu.edu/academics/certificate-programs/requirements-for-successful-completion-of-a-certificate-program/) before completing certificate program requirements. The student’s transcripts 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

Please note: The Global Digital Health Certificate program will approve course substitutions on a case-by-case basis. However, no more than one-third of the certificate curriculum may be changed.

Students should check the BSPH course directory (https://publichealth.jhu.edu/courses/) to confirm when the course is offered, and students should also check for pre-requisites and whether instructor consent is required.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PH.223.621</td>
<td>Design and Implementation of Global Digital Health interventions (typically offered onsite in 3rd term)</td>
<td>3</td>
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<tr>
<td>PH.223.622</td>
<td>Design and Implementation of Global Digital Health Interventions II (typically offered onsite in 4th term)</td>
<td>3</td>
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<tr>
<td>PH.223.626</td>
<td>Special Topics in Global Digital Health (typically offered onsite and online in 4th term)</td>
<td>1</td>
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<tr>
<td>PH.221.638</td>
<td>Health Systems Research and Evaluation in Developing Countries (typically offered onsite in 3rd term)</td>
<td>4</td>
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<tr>
<td>PH.221.645</td>
<td>Large-scale Effectiveness Evaluations of Health Programs (typically offered onsite and online in 2nd term and online only in 4th term)</td>
<td>4</td>
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<tr>
<td>PH.224.689</td>
<td>Health Behavior Change At the Individual, Household and Community Levels (typically offered onsite in 2nd term)</td>
<td>4</td>
</tr>
<tr>
<td>PH.223.664</td>
<td>Design and Conduct of Community Trials (typically offered onsite in 3rd term)</td>
<td>4</td>
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Recommended Courses

The following courses are outside of the certificate curriculum, but are recommended as they provide further analytical training that supports and bolsters current training in global digital health. These courses are focused around qualitative and quantitative methodologies related to biostatistics and epidemiology.