CERTIFICATE IN GLOBAL HEALTH TECHNOLOGIES

Program Learning Outcomes for the Certificate in Global Health Technologies

Upon completing the certificate in Global Health Technologies, students will be able to:

1. Demonstrate an understanding of global health technology and policy concepts.
2. Critically evaluate global health technology challenges.
3. Develop communication tools to effectively engage with key actors in global health policy, research, and the private sector.

Requirements for the Certificate in Global Health Technologies

The certificate in Global Health Technologies is a graduate certificate. For general university requirements, please see Certificates: Graduate-Level (https://ga.rice.edu/graduate-students/academic-opportunities/certificates/). For additional requirements, regulations, and procedures for all graduate programs, please see All Graduate Students (https://ga.rice.edu/graduate-students/academic-policies-procedures/regulations-procedures-all-degrees/). Students pursuing the certificate in Global Health Technologies must complete:

- A minimum of 4 courses (12-14 credit hours, depending on course selection) of graduate-level study (graduate semester credit hours, coursework at the 500-level or above) to satisfy certificate requirements.
- All course requirements met with Rice University coursework (transfer credit not permitted). For additional program guidelines regarding transfer credit, see the Policies (p. 2) tab.
- A minimum overall GPA of 2.67 or higher in all Rice coursework.
- A minimum program GPA of 2.67 or higher in all Rice coursework that satisfies requirements for the graduate certificate with a minimum grade of B- (2.67 grade points) in each course.

This certificate is not a freestanding degree program; in addition to fulfilling the certificate requirements outlined below, candidates will be required to complete successfully the degree program to which they have been admitted in order to receive this certificate. Upon completion, the certificate is awarded at the same time as the conferral of the student's Rice degree, along with a formal notation on their academic transcript.

The courses listed below satisfy the requirements for this certificate. In certain instances, courses not on this official list may be substituted upon approval of the certificate's academic advisor or, where applicable, the Program Director. Course substitutions must be formally applied and entered into Degree Works by the certificate's Official Certifier (https://registrar.rice.edu/facstaff/degreeworks/officialcertifier/). Additionally, these course substitutions must be approved by the Office of Graduate and Postdoctoral Studies. Students and their academic advisors should identify and clearly document the courses to be taken.

Summary

Code	Title	Credit Hours
	Total Credit Hours Required for the Certificate in Global Health Technologies	12-14

Certificate Requirements

Code	Title	Credit Hours
Core Requirements		
GLHT 591 / BIOE 577	FUNDAMENTALS OF GLOBAL HEALTH TECHNOLOGY & NEEDS FINDING	2
GLHT 593	GLOBAL HEALTH RESOURCE MOBILIZATION AND ADVOCACY	3
Elective Requirement		
	Select 1 course from approved elective coursework (see course list below)	3-5
Seminar		
GLHT 595	GLOBAL HEALTH TECHNOLOGY SEMINAR (2 semesters required, 1st semester)	1.5
GLHT 595	GLOBAL HEALTH TECHNOLOGY SEMINAR (2 semesters required, 2nd semester)	1.5
Total Credit Hours		**12-14**

Footnotes and Additional Information

[1] Students must complete two consecutive fall and spring semesters of GLHT 595 (1.5 credit hours) for 3 credit hours total.

Course List to Satisfy Requirements

Elective Requirement

Students must select 1 course (3-5 credit hours, depending on course selection) from the following approved elective coursework to fulfill the Elective Requirement.

Code	Title	Credit Hours
BIOE 509	POINT-OF-CARE DIAGNOSTICS	
BIOE 527	HEALTHCARE INNOVATION AND ENTREPRENEURSHIP	
BIOE 532	BIOMANUFACTURING, SUSTAINABILITY, AND BIOECONOMY	
BIOE 555	PROTOTYPING AND FABRICATION OF MEDICAL DEVICES	
CEVE 502	SUSTAINABLE DESIGN	
CEVE 506	INTRODUCTION TO ENVIRONMENTAL LAW	
CEVE 510	PRINCIPLES OF ENVIRONMENTAL ENGINEERING	
ECON 519	ECONOMIC GROWTH AND DEVELOPMENT	
ELEC 509	ARTIFICIAL INTELLIGENCE FOR HEALTH	
GLBL 501	GLOBAL SYSTEMS I	
GLBL 502	INSTITUTIONS & DEVELOPMENT	

GLBL 532	INTERNATIONAL BUSINESS ENVIRONMENT AND GLOBAL ECONOMIC GOVERNACE
GLBL 533	SUSTAINABILITY AND GLOBAL ISSUES
HEAL 507	EPIDEMIOLOGY
HEAL 522	THEORIES AND MODELS OF HEALTH BEHAVIOR
HIST 515	SCIENCE FOR THE PEOPLE: SCIENCE, TECHNOLOGY, AND SOCIETY
INDE 513	OPERATIONS RESEARCH IN HEALTHCARE
MDHM 525	TECHNOLOGY AND MEDICAL HUMANITIES- FALL
NSCI 511	SCIENCE POLICY, AND ETHICS
NSCI 530	THE SHAPING OF HEALTH POLICY
POLI 572	FOREIGN POLICY DECISION MAKING
PSYC 540	FOUNDATIONS OF ENGINEERING PSYCHOLOGY
PSYC 547	FOUNDATIONS OF HEALTH PSYCHOLOGY
RELI 528	RELIGION AND GLOBAL POVERTY
SOCI 505	ETHNOGRAPHIC RESEARCH
SOCI 525	POPULATION HEALTH SEMINAR
SOCI 530	DEATH, SEX, AND OTHER POPULATION PROCESSES
SOCI 541	QUALITATIVE RESEARCH METHODS
SOCI 582	QUANTITATIVE DATA ANALYSIS I
SOCI 583	QUANTITATIVE DATA ANALYSIS II
SOPE 501	INTRODUCTION TO PUBLIC POLICY
SOPE 503	QUANTITATIVE METHODS FOR PROGRAM EVALUATION
SOPE 505	MICROECONOMICS FOR POLICY EVALUATION
SOPE 506	APPLICATIONS OF PROGRAM EVALUATION – HEALTH
STAT 623	PROBABILITY IN BIOINFORMATICS AND GENETICS
STAT 685	ENVIRONMENTAL STATISTICS AND DECISION MAKING

Policies for the Certificate in Global Health Technologies

Admission

Admission to the Certificate in Global Health Technologies is open to current degree-seeking Rice graduate students. Students interested in the certificate are encouraged to visit the Rice360 website (https://www.rice360.rice.edu/) for more information.

Upon admission to the Certificate in Global Health Technologies, students must declare the graduate certificate using the *Declaration and Change of University Certificate Form (GR)* available in ESTHER (https://esther.rice.edu). The declaration of the certificate requires the student to obtain the approval of their director of graduate studies (in the degree program to which they have been admitted) as well as approval from the appropriate certificate advisor for the university certificate program.

Program Restrictions and Exclusions

Students pursuing the certificate in Global Health Technologies should be aware of the following program restriction:

- Graduate students may declare their intent to pursue this university certificate only after they have first been admitted into a graduate-level Rice degree-granting program.

Transfer Credit

For Rice University's policy regarding transfer credit, see Transfer Credit (https://ga.rice.edu/graduate-students/academic-policies-procedures/regulations-procedures-all-degrees/#transfer). Some departments and programs have additional restrictions on transfer credit. Requests for transfer credit must be approved for Rice equivalency by the appropriate academic department offering the Rice equivalent course (corresponding to the subject code of the course content) and by the Office of Graduate and Postdoctoral Studies (GPS). Students are encouraged to meet with their academic program's advisor when considering transfer credit possibilities.

Program Transfer Credit Guidelines

Students pursuing the certificate in Global Health Technologies should be aware of the following program-specific transfer credit guideline:

- Transfer credit coursework cannot be applied or used to meet any of the program's course requirements.

Additional Information

For additional information, please see the Rice360 website: https://www.rice360.rice.edu/.

Opportunities for the Certificate in Global Health Technologies

Research Award

Students pursuing the graduate certificate in Global Health Technologies are eligible for a research award after successfully completing GLHT 591 - *FUNDAMENTALS OF GLOBAL HEALTH AND NEEDS FINDING*. Upon application, if a student is selected to be given this research award, it could be used toward research-related activities such as: research-related travel, conference presentations, or research study materials.

Additional Information

For additional information, please see the Rice360 website: https://www.rice360.rice.edu/.