DOCTOR OF PHILOSOPHY IN THE FIELD OF HEALTH DATA SCIENCE, APPLIED BIOINFORMATICS CONCENTRATION

Program Director: K Crandall

The doctor of philosophy in health data science develops data science leaders for applications in public health and medicine. The program advances the field by:

- Providing rigorous training in the fundamentals of health and biomedical data science.
- Fostering innovative thinking for the design, conduct, analysis, and reporting of public health research studies.
- Providing practical training through real-world research opportunities at research centers and institutes directed by departmental faculty.

Students choose one of two concentrations: applied biostatistics or applied bioinformatics.

The program offers a unique blend of the two disciplines, which helps practitioners become successful collaborators in interdisciplinary research. Each concentration focuses on the foundations of the respective discipline to acquire fundamental knowledge and experience in the subject area while gaining core knowledge in the foundations of the other concentration.

ADMISSIONS

Visit the Milken Institute School of Public Health website (https://publichealth.gwu.edu/) for additional information about academic programs and information about GWSPH. Graduate admissions information, including application requirements and deadlines, can be found on the GWSPH Graduate Admissions website (https://publichealth.gwu.edu/admissions/graduate-admissions/).

REQUIREMENTS

The following requirements must be fulfilled: 72 credits, including 14 credits in core courses, 15 credits in required concentration courses, 18 minimum credits in elective courses, a 1 credit in practicum, and 12 to 24 credits in dissertation research. Additional requirements include, but are not limited to, completion of a graduate teaching assistantship program certificate.

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<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<td>Required</td>
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<td>Core courses</td>
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<td>PUBH 6080</td>
<td>Pathways to Public Health</td>
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ADDITIONAL REQUIREMENTS

Additional program requirements include but are not limited to completion of the University’s Graduate Teaching Assistantship Program Certificate, which includes enrollment in UNIV 0250.*
*Visit the GTAP website (https://gradfellowships.gwu.edu/graduate-teaching-assistantship-program-gtap/) for additional information.