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

Program Co-Directors: G. Diao, and T. Hamasaki

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.

Visit the program website (https://publichealth.gwu.edu/
content/health-and-biomedical-data-science-phd/) for additional
information.

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, 28 credits in concentration-specific
courses, a minimum of 12 credits in elective courses, 3 credits in
practicum courses, and a minimum of 12 credits in dissertation
research. In addition, students are required to complete the
University’s Graduate Teaching Assistantship Certificate program.

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<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>Required</td>
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<td>Core courses</td>
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**Dissertation research**

PUBH 8999  
Dissertation Research (taken for 12 to 15 credits)

**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. The 1 credit earned in UNIV 2050 does not count toward the total number required for the degree.

*Visit the GTAP website (https://gradfellowships.gwu.edu/graduate-teaching-assistantship-program-gtap/) for additional information.*