

# PhD in Public Health Sciences

The Brown School's PhD program in Public Health Sciences prepares students to think critically as public health scientists, succeed as independent investigators, and understand and address public health challenges for the nation and the world. It provides hands-on research experiences and mentoring from day one in the program; a curriculum that builds methodological and analytical skills and deep knowledge of the field's theoretical and conceptual underpinnings, philosophy and history; and professional acculturation and network building.

Our doctoral program involves intense training in population and social science research methods and personalized mentoring by some of the leading scholars in the field. We provide a diversity of experience and faculty with a cross-section of interests that enhance transdisciplinary learning. Our faculty are on the forefront of research in health disparities, epidemiology and biostatistics, global health, health policy, urban design and the built environment, violence and injury prevention, and mental health. The curriculum prepares students for research leadership in a rapidly changing society. Our collaborative and entrepreneurial community is committed to conducting research that will have social impact.

A completed master's degree in public health, social work, or related social or health science is required of all applicants for admission. The deadline for applications to the PhD in Public Health Sciences is December 1 of the year preceding enrollment.

For additional information, please refer to the Doctoral Programs Viewbook ([https://issuu.com/wustlbrownschool/docs/2022\\_phd\\_viewbook/](https://issuu.com/wustlbrownschool/docs/2022_phd_viewbook/)) and the PhD in Public Health Sciences Program Overview (<https://brownschool.wustl.edu/Academics/PhD-in-Public-Health-Sciences/Pages/default.aspx>).

Website: <https://brownschool.wustl.edu/academics/PhD-in-public-health-sciences>

## Degree Requirements

### PhD in Public Health Sciences

#### Graduation Requirements

- Previously obtained master's degree
- 72 credit units (**Note:** This can include 21 master's-level credit units from a relevant degree.)
- Two years of full-time doctoral course work
- Three teaching practica for course credit
- Three research practica for course credit
- Completion of an area of specialization statement and a qualifying exam
- Dissertation and oral defense

#### Course Requirements

##### Core doctoral seminar series

- Introduction to advanced research
- Conceptual foundations of social science research
- Theoretical orientations in public health sciences

##### Core data analysis sequence

- Applied linear regression analysis
- Generalized linear models

##### Other courses available to public health sciences doctoral students

- Network analysis
- System dynamics
- Multilevel and longitudinal modeling
- Survival analysis
- Structural equation modeling
- Propensity score analysis
- Qualitative research methods
- Introduction to social measurement
- Social policy research and analysis
- Health economics
- Advanced health policy methods
- Issues and directions in intervention research
- Translational research methods in public health
- Data management
- Statistical software: R
- Statistical software: Stata
- Statistical software: SAS
- GIS and spatial mapping
- Manuscript development
- Conducting systematic reviews
- Grantwriting
- Substantive and methodological electives taken from other schools and departments at Washington University

Please review the PhD in Public Health Sciences Curriculum (<https://brownschool.wustl.edu/Academics/PhD-in-Public-Health-Sciences/Pages/PhD-Public-Health-Sciences-Curriculum.aspx>) on the Brown School website for more details.