

Biostatistics & Genetic Epidemiology

The biostatistics education programs offered by the Division of Biostatistics include three master's degrees and two graduate certificates: the Master of Science in Biostatistics (<https://biostatistics.wustl.edu/education/master-of-science-in-biostatistics-msibs-2/>) (MSIBS), the Master of Science in Biostatistics and Data Science (<https://biostatistics.wustl.edu/education/master-of-science-in-biostatistics-msibs/>) (MSBDS), the Master of Science in Genetic Epidemiology (<https://biostatistics.wustl.edu/education/master-of-science-in-genetic-epidemiology-gems/>) (GEMS; for postdocs only), the Certificate in Genetic Epidemiology (<https://biostatistics.wustl.edu/education/certificate-in-genetic-epidemiology/>), and the Certificate in Biostatistics and Data Science (<https://biostatistics.wustl.edu/education/certificate-in-biostatistics-and-data-science/>). Interested students may pursue individual courses offered by the division.

The Washington University School of Medicine is known for being at the forefront of medical research and primary care; the school engages students in research and practical training so that they can contribute to improving health outcomes. Our programs train students as critical thinkers and collaborators in biostatistics, genetics, and data science. We seek those with undergraduate degrees in the quantitative and biomedical sciences, including fields such as mathematics, statistics, computer science, informatics, and biomedical engineering.

Our programs are designed to teach students how to manage, analyze, and interpret health data using statistical and data science approaches. Internationally renowned faculty from multiple disciplines — including biostatistics, genetics, informatics, medicine, and public health — will train a new generation of quantitative scientists. The curriculum offers a unique training experience that combines core data science learning in statistical and computational methodologies with practical training in real-world data analysis of cutting-edge biomedical and genomics research.

NIH-Sponsored Training Program

The PRIDE Summer Institute in Cardiovascular Genetics and Epidemiology (CVD-CGE) focuses on cardiovascular and other heart, lung, blood, and sleep disorders. This all-expenses-paid summer institute is supported by funding from the National Heart, Lung, and Blood Institute. The goal is to mentor junior faculty from underrepresented minorities as well as faculty with disabilities into independent research careers in the biomedical sciences. For more information, visit the PRIDE CVD-CGE website (<https://biostatistics.wustl.edu/education/pridecge/>) or email the program administrator (schreier@wustl.edu).

Academic Calendar

The academic programs begin in early July each year. They start with preparatory workshops, which are followed by intensive summer semester courses. For fall and spring courses, the program follows the Washington University academic calendar (<http://bulletin.wustl.edu/washu/calendar/>).

Location

The program is located in the Division of Biostatistics, which can be found on the fifth floor of the Bernard Becker Medical Library (660 S. Euclid Ave., St. Louis, MO 63110) in rooms 500 through 508.

Additional Information

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