

Informatics, Data Science, and Biostatistics

I²DB is no longer accepting applications for the following programs as it prepares for the new Biomedical Data Science and AI programs: Master of Science in Biomedical Informatics, Master of Science in Biostatistics, Certificate in Biomedical Informatics, and Certificate in Biostatistics and Data Science. Information found about these programs is for students who matriculated into these programs prior to Fall 2026.

The mission of the Institute for Informatics, Data Science and Biostatistics (I²DB) focuses on the informatics, data science, and biostatistics landscape at Washington University School of Medicine in order to transform research, education, and patient care by emphasizing precision medicine and efforts to improve the quality of health care and public health initiatives locally, nationally, and worldwide.

The education programs currently offered by I²DB include two master's degrees and one graduate certificate: the Master of Science in Biomedical Data Science and AI, the Master of Science in Biostatistics and Data Science, and the Graduate Certificate in Biomedical Data Science and AI. Interested students may pursue individual courses offered by the division as non-degree-seeking students.

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.

Academic Calendar

The academic programs begin in the fall of each year. They follow the Washington University Graduate Programs in the School of Medicine academic calendar for fall and spring courses.

Location

The programs are located on the fifth floor of the Bernard Becker Medical Library (660 S. Euclid Ave., St. Louis, MO 63110), rooms 501 and 502.

Additional Information

Shelby Cripe, MA
Program Manager
Email: skcripe@wustl.edu

Zachary Abrams, PhD
Program Director
Email: abramsz@wustl.edu

Washington University School of Medicine

Institute for Informatics, Data Science and Biostatistics (I²DB)
660 S. Euclid Ave., MSC 8067-0013-05
St. Louis, MO 63110-1093