



Image Credit: Nick Romanenko

MASTER OF SCIENCE IN BIostatISTICS (MS)

ABOUT

The Rutgers School of Public Health's Master of Science (MS) in Biostatistics degree, a STEM designated program, prepares students to possess the knowledge and technical skills needed for the design, data analysis, and interpretation of findings from modern health-related studies.

Students enrolled in the program will learn about statistical theory and modeling, as well as gain real experience utilizing a variety of statistical software packages that enable them to design and analyze data from experimental and observational data sets, to help solve medical and public health problems, and to communicate findings to investigators or community members.

MASTER OF SCIENCE (MS) VS. MASTER OF PUBLIC HEALTH (MPH) - WHAT'S THE DIFFERENCE?

The Rutgers School of Public Health offers MS and Master in Public Health (MPH) in Biostatistics degrees.

The MS degree focuses on training students for biostatistical and pharmaceutical research and serves as preparation for doctoral degree programs.

The MPH degree focuses on core areas of public health and trains students in the biostatistical concepts, methods, and skills needed to pursue a career in interdisciplinary public health.

PROGRAM FORMAT

The MS in Biostatistics degree is offered to students for full-time or part-time completion. Most students complete the program on a full-time basis. Students enrolled in this program may earn their MS degree in as quickly as two years (four to five semesters).

Students will complete a total of 30 credits. Following the fulfillment of their course requirements, students compile a research project and write a research paper.

Courses are available in-person, remote, and/or online.

FAST FACTS



STEM Designated Program:
Yes

Program Size: 40 Students

Total Credits: 30

Format: Full-time and part-time in-person; some online courses available

Application Deadlines:

Fall Semester Start Date
January 15 (priority)
May 1 (regular)

Apply Today:



go.rutgers.edu/sph-apply

CAREERS

- Biostatistician
- Bioinformatician
- Data Scientist
- Programmer

APPLICATION REQUIREMENTS

Students may only apply to this program for fall semester admission.

A complete application includes:

- Online application: visit go.rutgers.edu/sph-apply
- Official transcripts from all post-secondary institutions attended
- Statement of goals, one-to-three pages in length, which addresses:
 - Interest in the program
 - Preparedness for the program
 - Goals and aspirations
- Two letters of recommendation with at least one letter from an academic reference if you are currently enrolled in a degree program or have graduated within the last four years
- Resume or CV
- GRE General Exam (optional)
- TOEFL or IELTS score for applicants educated in a non-native English-speaking country

Applications are accepted on a rolling, space-available basis following the regular deadline.

DID YOU KNOW?

The school has several research centers and works closely with Rutgers University institutes:

- Center for Public Health Workforce Development
- Center for Health, Identity, Behavior & Prevention Studies
- Center on Gun Violence Research
- Cancer Health Equity Center of Excellence
- Center for South Asian Quantitative Health & Education
- Institute for Nicotine & Tobacco Studies
- Environmental and Occupational Health Sciences Institute
- Institute for Health, Healthcare, Policy and Aging Research
- Rutgers Cancer Institute of New Jersey
- ...and more

ALUMNI SPOTLIGHT



For Meizhen, an alumna of the Master of Science in Biostatistics program, the diverse, collaborative, and professional academic environment, was the reason why she selected the Rutgers School of Public Health. While completing her degree requirements, Meizhen worked as a student assistant at the Rutgers University Biostatistics and Epidemiology Services Center, providing statistical support including design, programming, data management, and data analysis, to investigators throughout Rutgers University.

"This experience not only gave me a real sense of the importance of biostatistics for research projects, but also improved my communication skills with clinical researchers."

- Meizhen, MS '21

CURRICULUM

- Core Public Health Courses (6 credits)
- Concentration Courses (18 credits)
- Elective Courses (6 credits)
- Research (0 credits)
- Other Requirements

Total: 30 credits



Ranked Among the Best in the Country

The school has been ranked No. 22 among the 2023-2024 Best Graduate Schools in Public Health by U.S. News & World Report.

\$88 million

School primary faculty and students were directly awarded a historic \$88 million in federal grant/contract funding in 2023. These were prime awards made to Rutgers University.

Historic Endowment for LGBTQ+ Health

A \$3 million gift from James F. Dougherty, will fund the Perry N. Halkitis Endowed Chair in LGBTQ+ Public Health at the school.