BIOSTATISTICS

Biostatistics is the art and science of collecting and evaluating biomedical data. As research collaborators, biostatisticians are essential for the rigorous conversion of raw information into knowledge. Applications include studying the genetic, molecular, or environmental causes of illness; and planning, conducting, and monitoring clinical trials designed to evaluate the safety and efficacy of new treatments. At the forefront of public health and biomedical research, biostatisticians serve as key scientists at every level — designing and analyzing research studies, overseeing the conduct of scientific research, participating in governmental policymaking, training researchers, and developing new statistical theory and methods for the analysis of biological data.

HIGHLIGHTS

Recognized as a global leader in the field, the Biostatistics Graduate Program is at the forefront in the areas of big data, survival and longitudinal analysis, statistical genetics, and clinical trials. Its 83 distinguished faculty include a Member of the National Academy of Sciences, three Members of the Institute of Medicine, and 20 Fellows of the American Statistical Association. There are approximately 90 students in this diverse and collegial Department and more than 570 alumni who are leaders in academia, government, non-profit, and private industry.

DEGREES /OR CERTIFICATES OFFERED

MS: Thesis or Capstone

PhD: Biostatistics or Statistical Genetics

MPH

Certificate Programs in:
Applied Biostatistics
Statistical Genetics

OTHER OFFERINGS:

Summer Institutes in:

Statistical Genetics
Modeling in Infectious Diseases

Clinical Research
Big Data

CONTACT INFORMATION

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APPLICANT QUALIFICATIONS

The Department attracts highly-qualified diverse students both nationally and internationally. Potential MS and PhD students enter the Graduate Program primarily from undergraduate majors in mathematics, statistics, or a biological sciences field. All applicants should have the equivalent of 30 or more quarter credits in mathematics and statistics, including approximately two years of calculus (through multivariate calculus), one course in linear algebra, and one course in probability theory. MPH applicants must hold a doctoral level degree in another field or be working on a doctoral degree.

ACADEMIC AND PROFESSIONAL OPPORTUNITIES

Biostatisticians are in demand across many fields in the US and internationally. Common job titles include Biostatistician, Professor, Research Scientist, Analysis Programmer, Data Analyst, Research Statistician, and Mathematical Statistician.

ADMISSIONS

Apply online at: http://grad.uw.edu/admissions/. Applicants submit a Statement of Purpose, GRE (General Test) scores, three recommendations, and transcripts. International applicants may need to submit TOEFL scores. More information at http://www.biostat.washington.edu/program.

APPLICATION DEADLINE

Autumn Quarter Entry
December 1st