Graduate Programs in Biostatistics

WHAT IS BIOSTATISTICS?

Biostatistics is the application of statistics in the biological and health sciences. As modern research in biology, medicine and public health involves cutting-edge computational methods, biostatistics has been expanded to include both statistical and quantitative methods to answer these research questions.

At Georgia Regents University (soon to be Augusta University), faculty, students and staff in the Department of Biostatistics and Epidemiology contribute to the university's growing reputation as a premier research university. Our faculty engage in interdisciplinary research and advance the discipline through development and evaluation of statistical and computational methods for biomedical research. We collaborate with scientists in medicine, dentistry, nursing, allied health sciences, and basic sciences on projects looking at novel therapeutics for stroke, new technology for tooth restoration, effects of exercise on cardiovascular disease and obesity, smoking cessation, cancer treatments and prevention, and genomic and proteomic research.

Our focus on statistical application to the health professions distinguishes us from most graduate statistics programs and prepares graduates for rewarding careers in the increasingly important field of Biostatistics.

GRADUATE PROGRAMS

The objective of our doctoral program in biostatistics is to produce advanced level biostatisticians to collaborate, perform statistical research with an applied focus, and consult with medical and health sciences researchers. The two-year MS program comprises three parts: a core set of 28 credit hours of didactic courses in introductory biostatistics, mathematical statistical theory, linear and generalized linear models, and clinical trials; an additional 9 credit hours of elective courses; and a research thesis/capstone project. The PhD program consists of 40 credit hours of core didactic course work, 21 credit hours of elective courses (9 of which must be at the doctoral level) and individual research and dissertation.

ADMISSION REQUIREMENTS

- Baccalaureate degree or equivalent
- Official transcripts for all post-secondary education
- Official Graduate Record Examination (GRE) test scores
- Three letters of recommendation
- Official TOEFL test scores, if English is not the native spoken language
- Three semesters of college level calculus
- One semester of linear algebra

FINANCIAL SUPPORT- $25,000 Stipend

A limited number of assistantships that include a yearly stipend of $25,000 and a reduced tuition of $25/semester are awarded on a competitive basis to exemplary applicants.

FOR ADDITIONAL INFORMATION

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