



DREXEL UNIVERSITY  
**Dornsife**  
School of Public Health

**MS IN**

**BIostatISTICS**



## WHY DORNSIFE?

The Dornsife School of Public Health has recently expanded its master of science (MS) degree programs to offer students a greater range of opportunities to specialize in subjects critical to public health practice and research. While all Drexel Dornsife students have opportunities to conduct research, students in MS programs are able to work closely with expert faculty on specific areas of interest. In addition, students who have PhDs, MDs, or other advanced degrees, may find that an MS provides a unique opportunity to investigate and become an expert in topics that inform public health aspects of medicine, nursing, law, or other fields.

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MY WORK AT DREXEL'S BIostatISTICS SERVICE CENTER GAVE ME HANDS-ON EXPERIENCE UTILIZING THE THEORY AND METHODS I LEARNED IN MY COURSE WORK.

Janeway Granche  
MS in Public Health '19



## MS IN BIOSTATISTICS

Graduates of the MS in Biostatistics program are prepared to make immediate contributions to research in a number of biomedical and public health settings. Students gain a fundamental understanding of biostatistical methods, strong computational skills, as well as the ability to apply this knowledge in a variety of research settings including biomedical research organizations, pharmaceutical companies, statistical software development companies, contract research organizations and various government agencies.

The program prepares students for handling the quantitative and computational aspects of research, ranging from study design, data collection and management, developing analysis plans, conducting analyses, and effectively reporting findings both orally and in writing. The program also features small classes taught by nationally and internationally recognized faculty and a culminating practicum research experience that prepares students to effectively produce and analyze data and translate their findings in order to inform public health solutions.

## JOB OUTLOOK

Recent graduates are currently working as Statisticians, Biostatisticians, Data Scientists, Clinical Research Coordinators, and Business Analysts

## WHAT YOU WILL LEARN

- Address health problems by appropriate problem definition, study design, data collection, data management, statistical analysis, and interpretation of results
- Demonstrate mastery of the theory underlying statistical methods
- Understand and implement innovative statistical approaches
- Communicate biostatistical analyses to individuals with varying degrees of statistical knowledge
- Apply research design principles to problems in public health
- Recognize strengths and weaknesses of approaches, including alternative designs, data sources, and analytic methods
- Determine the data best suited to address public health issues, program planning, and program evaluation

## REQUIREMENTS

- 47 credits
- 15 months or 5 quarters to complete
- Thesis involving innovative data analysis

### CONNECT:



#DREXELSPH

### FOR MORE INFORMATION:

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