

Biostatistics, MS

The Master of Science program in Biostatistics (<https://biostatistics.georgetown.edu/ms/>) unites faculty from the Department of Biostatistics, Bioinformatics, and Biomathematics and from Georgetown University Medical Center (GUMC) Basic Science and Clinical departments.

The Master of Science in Biostatistics will provide integrated training in computational, quantitative, and biomedical sciences to support health-related research performed in academia, government and industry. Students not only acquire quantitative and computational tools that underpin epidemiology and bioinformatics, but also gain substantive exposure to applications of these tools in biological and health sciences.

- Modality: On Campus
- Academic Policies and Procedures: BGE Handbook (https://docs.google.com/document/d/1rkaOm8U_1eVwabvkl_HFvpfSWrMGnrc6Ex41erxP7g/edit?usp=sharing)
- Contact the Program (<https://biostatistics.georgetown.edu/contact-us/#masters-in-biostatistics>)

This program is offered through Biomedical Graduate Education (BGE) (<https://biomedicalprograms.georgetown.edu/>) at Georgetown University School of Medicine.

Requirements

Students are required to complete 32 credits of coursework, including 30 credits of fundamental required courses and 2 credits of Practicum Research or Special Topics.

Students have the flexibility to choose between the Practicum Research courses or Special Topics courses to fulfill the requirement.

Code	Title	Credits
Required Courses		
BIST 6510	Probability & Sampling	3
BIST 6511	Statistical Inference	3
BIST 6512	Categorical Data Analysis	3
BIST 6513	Survival Analysis	3
BIST 6514	Linear Modls & Mulvar Analysis	3
BIST 6515	Intro to Statistical Software	2
BIST 6532	Machine Learning for Bioinform	2
BIST 6540	Experimental Design/Clin Trial	3
BIST 6541	Principles of Epidemiology	3
BIST 6545	Quant Data Analysis& Reporting	2
BIST 6595	Data Science & AI Engineering	3
Practicum Research or Special Topics Requirement		2
Students have the option of taking Practicum I & II or Special Topic I & II to fulfill the Practicum Research or Special Topic Requirement.		
BIST 7817	Special Topics:	
BIST 7818	Special Topics II	
BIST 7940	Research Practicum I	

BIST 7940 Research Practicum I

Total Credits

32

Related Programs

- Biostatistics, PHD (<http://coursecatalog.georgetown.edu/programs/biostatistics-phd/>)