Master of Science in Biomedical Science (MSBS) **New for 2025: Specialized Program Tracks**

Pre-Doctoral

(4 full-time semesters)

Year 1: Semester 1

Biomedical Science Core

Year 1: Semester 2

Biostatistics Courses and Independent Research

Year 2: Semester 3

Independent Research and Concentration/trackspecific electives

Year 2: Semester 4

Master's Thesis, Independent Research, and Concentration/trackspecific electives

PhD or MD-PhD

Program

Pre-Medical

(3 full-time semesters)

Year 1: Semester 1

Biomedical Science Core and Biostatistics Courses

Year 1: Semester 2

Independent Research and Concentration/trackspecific electives

Year 2: Semester 1

Capstone Project, Independent Research and Concentration/trackspecific electives

MD Program

Industry/Clinical/ **Professional Development**

(3-4 semesters)

Year 1: Semester 1

Biomedical Science Core

Year 1: Semester 2

Biostatistics Courses and Independent Research

Year 2: Semester 3 and/or 4

Concentration/track-specific electives, Independent Research. and Capstone Project

Accelerated Industry/ Clinical/Professional **Development**

(1 vear)

Year 1: Semester 1

Biomedical Science Core, Biostatistics Courses and Concentration/track-specific electives

Year 1: Semester 2

Independent Research and Concentration/track-specific electives

Year 1: Summer

Capstone Project

Career Outcomes

Example Career Paths:

- Columbia University Irving Medical Center - Senior Clinical Research Coordinator
- Memorial Sloan Kettering -Senior Research Technician
- Cellino Biotech -Senior Research Associate
- Lycia Therapeutics Research Associate II
- · Harlem Children's Zone -Health Educator
- Environmental Protection Agency (EPA) - EPA Bioinformatician/ Computational Biologist for Neurotoxicology Fellowship

Concentrations

Students have the option to earn a concentration or specialization notation on their transcript by completing at least six credits in concentration-specific electives.



Artificial Intelligence and Emerging Technologies in Medicine



Development, Regeneration, and Stem Cells



Microbiology



Cancer Biology



Genetics and Genomic Sciences



Neuroscience



Disease Mechanisms and Therapeutics



Immunology



Health Sciences in Engineering



Contact Us

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