

BIOCHEMISTRY & MOLECULAR MEDICINE

MS PROGRAMS

What we offer you

- Schedule flexibility
- Thesis and non-thesis tracks
- 1-year or 2-year programs
- Hands-on experience in a myriad of laboratories & research initiatives
- Diverse elective courses pool to choose from



Program

The MS Program in Bioinformatics and Molecular Biochemistry offers an interdisciplinary, application-based curriculum in **Biomedical Informatics** and **Biochemistry**. Located in the heart of Washington DC, our programs are in close proximity to government labs (NIH, USDA and FDA), as well as biotechnology companies, research hospitals, law firms, non-profits and NGOs; providing students with ample, unparalleled professional development opportunities.

Bioinformatics Track

One of the first in the US, this track is devoted exclusively to teaching important genome-wide approaches to medicine and biology. It focuses on **medical genomics, proteomics, analytical bioinformatics, Big Data statistics, system biology, pharmaceutical oncology, algorithm development, Next-Generation sequencing, data analysis and annotation**. After graduating, students work as bioinformaticians in academia or industry, or pursue PhD programs at GW or at other leading institutions.

Biochemistry Track

Here students will build a strong foundation in biochemistry and molecular biology, covering topics such as **protein structure and function, biochemical genetics, methods in molecular biology, bioinformatics and carbohydrate, lipid and protein biotechnology**. Students will be prepared for careers in academic or industrial research; and in any field from advanced biomedical research, medicine, and public health, to law and policy.

Research Opportunities

Cancer Biology
Autism
Cardiovascular Pathobiology
Computational Genomics

School of Medicine
& Health Sciences

THE GEORGE WASHINGTON UNIVERSITY

Application dates

Fall

Domestic: August 1st

International: May 1st

Spring

Domestic: December 1st

International: October 1st

Contact

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For more
information visit

[www.smhs.gwu.edu](http://www.smhs.gwu.edu/biochemistry)
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