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