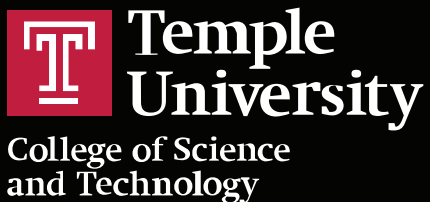


Bachelor of Science Genomic Medicine



*Prepare to be at the vanguard of
genomic frontiers in medicine and
careers in genome biology*

Genomic Medicine Bachelor of Science

The **Bachelor of Science in Genomic Medicine** is for the next generation of researchers and professionals interested in careers at the interface of biology and human health. Scientific innovations and technologies have transformed medicine and biology. At the center of this remarkable transformation is the study of the blueprint of life, the genome. Genomes of humans and pathogens are the basis of diseases and the eco-evolutionary relationship of humans and all life.

The **Genomic Medicine** program prepares students for research, medical, and professional careers that require a deep understanding of the role of genomes of humans, pathogens, and cellular cross-talks in developing, preventing and treating genetic and infectious diseases. Students will gain a strong foundation in the life sciences that emphasizes the biomedical relevance of genomics, evolutionary biology, and informatics. You will learn about the genomic world of humans, web-of-life, and the balance of pathogens and environments related to human and planetary health from Temple's world-class faculty in Genomics and Biology in the College of Science and Technology in partnership with Temple's School of Medicine.

Courses Include:

- Intro to Cellular and Molecular Biology
- Genomic Foundations of Medicine
- Genomic Evolutionary Medicine
- Pathophysiology of Genomic Medicine
- Many electives in disease biology, biochemistry, molecular genetics, bioinformatics, and statistics
- Genetics
- Evolution
- Chemistry
- Physics
- Programming
- Writing



Careers

Our broad-based academic program will prepare you for a variety of employment opportunities in scientific research, as well as instill a robust medically relevant background for those seeking a career in medical and STEM programs. The use of genomes and genomic information has become indispensable in research and professional endeavors not only in medicine but also in ecology, evolution, and molecular biology. Graduates will develop a strong foundation in principles of medicine, evolution, and informatics as well as an ability to understand and analyze genomic data, opening doors to traditional and modern careers in medical, academic, and governmental institutions.

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