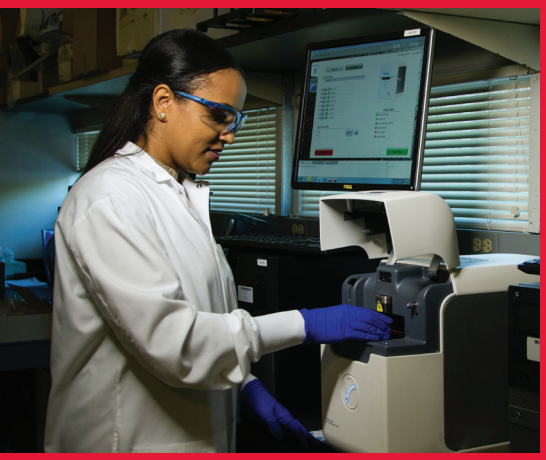
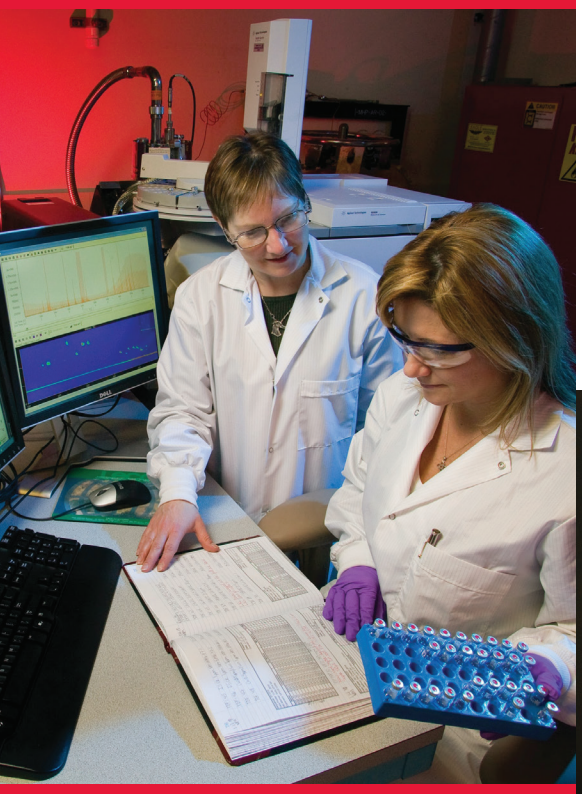
ST. JOHN'S UNIVERSITY

ST. JOHN'S COLLEGE OF LIBERAL ARTS AND SCIENCES

Master of Science in Computational Biology and Biostatistics





ABOUT THE M.S. IN COMPUTATIONAL BIOLOGY AND BIOSTATISTICS

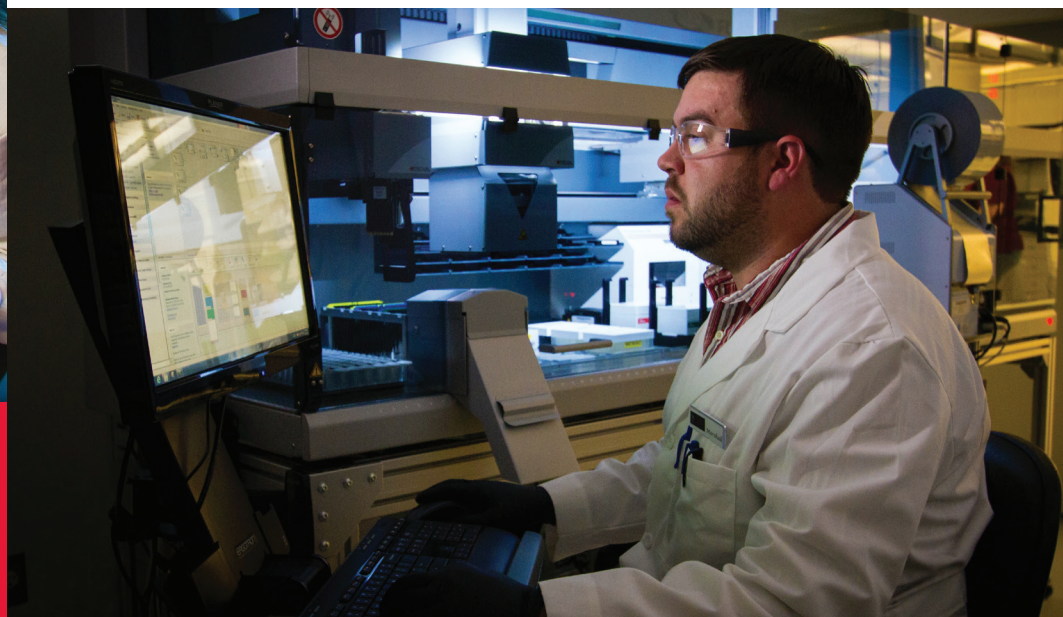
The M.S. in Computational Biology and Biostatistics at St. John's University answers a growing demand for data analysts, data curators, database developers, statisticians, mathematical modelers, bioinformaticians, and software developers with training in both computer science and biology. The program trains you in the use of computational methods and algorithms to represent and simulate biological systems, as well as to interpret large-scale experimental data.

Through the program, you develop competencies that prepare you to address some of the world's most urgent problems, including food shortage, climate change, and emerging diseases. Because these issues disproportionately affect the world's poor, the program aligns with the Vincentian mission of St. John's.

In addition to undergoing rigorous training in understanding and modeling the structures and processes of life, you develop a critical consciousness and ethical perspective, preparing you for service and leadership roles in local, national, and international spheres.

WHAT CAN I DO WITH AN M.S. IN COMPUTATIONAL BIOLOGY AND BIOSTATISTICS?

The need to address major problems facing the world—including nutrition for a growing population, global climate change, aging populations, "civilization diseases" (e.g., cancer, diabetes, and cardiovascular diseases), and emerging infectious diseases—results in exponentially growing demand for researchers and professionals trained in biology and computational methods and approaches.



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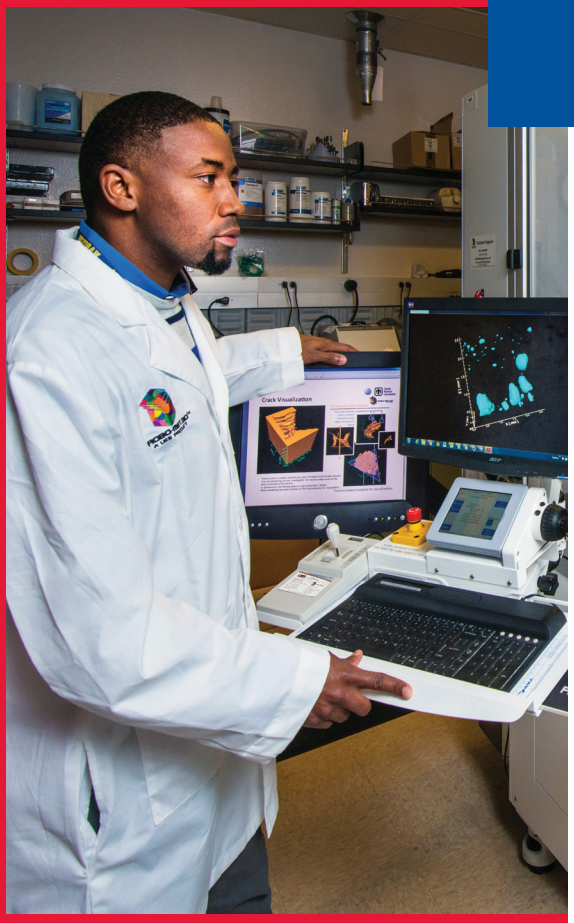

According to the US Bureau of Labor Statistics, employment in the fields of medicine and science will grow at 16 percent through 2028, much faster than average. The job outlook for mathematicians and statisticians is expected to grow 30 percent within the same period.

RESEARCH AND PROFESSIONAL DEVELOPMENT

Our faculty members are actively involved in research that informs their teaching and fuels a lively and diverse exchange of ideas. Through the program, you benefit from their expertise and connections to researchers and professionals in the fields of computational mathematics and biology.

To prepare for your career, you also have the advantage of St. John's location in dynamic New York City, as well as the support of our faculty and office of University Career Services, which maintain strong ties to employers and internship opportunities.

ASSISTANTSHIPS, SCHOLARSHIPS, AND FINANCIAL AID

The University awards a limited number of graduate assistantships to highly qualified students each year. These positions provide tuition remission and a stipend and involve assisting faculty with their research.

For more information about assistantships, as well as other types of financial aid and scholarship awards, please visit our website.

PROGRAM INFORMATION AND APPLICATIONS

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ADMISSION INFORMATION

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