



**ST. JOHN'S
UNIVERSITY**

ST. JOHN'S COLLEGE OF
LIBERAL ARTS AND SCIENCES

Pathway from B.S. Computer Science (Staten Island) to M.A. Applied and Computational Mathematics

ABOUT THE PATHWAY FROM THE B.S. IN COMPUTER SCIENCE (STATEN ISLAND) TO M.A. IN APPLIED AND COMPUTATIONAL MATHEMATICS

The cutting-edge areas of data science and machine learning have increasingly diverse applications in industry and in daily life. This versatile pathway—poised at the intersection of mathematics and computer science—prepares you for immediate and lucrative employment in a wide range of high-growth career fields that include climatology, data mining, digital imagery, finance, materials science, medical science, and privacy.

If you wish to distinguish yourself in a competitive job market by enhancing your knowledge and skills in computer science, we encourage you to pursue this pathway, which allows you to complete both B.S. and M.A. degrees in just five years, saving you time and money on your education. Graduate courses, which you can begin taking as an undergraduate student, are scheduled in the evening to accommodate professional pursuits and internships. The combination of both degrees provides you with a deep understanding of the underlying mathematical principles needed for innovation and leadership among rapid technological advances.

For more information about the M.A. in Applied and Computational Mathematics, contact

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Professor, Mathematics and Computer Science

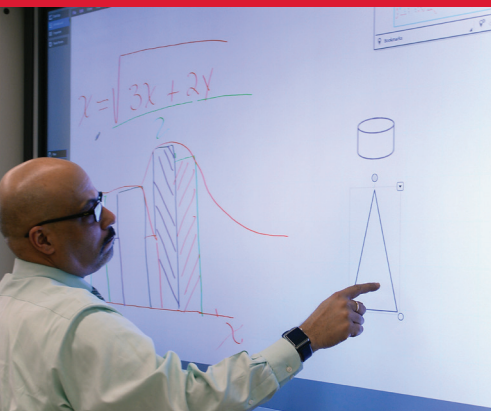
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WHAT CAN I DO WITH AN M.A. IN APPLIED AND COMPUTATIONAL MATHEMATICS?

As a graduate with a B.S. in Computer Science and an M.A. in Applied and Computational Mathematics, your skills are in high demand among employers. You find immediate, well-paid employment related to high-growth fields that include climatology, computer animation and digital imagery, epidemiology, finance and economics, machine learning and artificial intelligence, medical science, and systems biology.

Employers seeking candidates with advanced degrees in Applied and Computational Mathematics include

Aerospace and transportation equipment manufacturers	Electronics and computer manufacturers
Academic institutions and research institutes	Energy system firms
Chemical or pharmaceutical manufacturers	Engineering research organizations
Communications service providers	Federally funded contractors
Computer information and software firms	Financial service and investment management firms
Consulting firms	Medical device companies
Consumer product companies	Technology companies
Government laboratories, research offices, and agencies	Transportation service providers



For more information about this and other pathways, contact
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