Mathematics A.S.

The Mathematics Department offers an Associate in Science (A.S.) degree in Mathematics. The program is designed to provide students with the first two years of study required to major in mathematics at the senior college level and is also suitable for students who wish to minor in mathematics at the senior college level. In addition, the program provides the foundation for specialization along any of the following career paths: graduate studies in mathematics leading to the masters or doctoral degrees; professions in the field of mathematics education; professions requiring substantial mathematics preparation (e.g., statistician, actuary, engineering, medical or physical sciences, economics, etc.).

Specialized Skills

- Problem Solving
- Critical Thinking
- Computer Literacy

*Specialized Skills may be obtained or enhanced during the course of the student’s learning experience. Specialized Skills are defined and provided by NACADA: The Global Community for Academic Advising [www.nacada.ksu.edu](http://www.nacada.ksu.edu)*

Articulation Agreements

- **New York City College of Technology / CUNY**
  - B.S. in Applied Mathematics
- **Mercy College**
  - B.S. in Mathematics
- **St. Francis College**
  - B.S. in Mathematics
- **SUNY Binghamton University**
  - B.A. in Mathematics
- **Universidad del Sagrado Corazon**
  - B.S. in Mathematics

Other Transfer Options

- **Baruch College / CUNY**
- **Alfred University**
- **Clarkson University**
- **Lehman College / CUNY**
- **Brooklyn College / CUNY**
- **City College / CUNY**
- **Hunter College / CUNY**
- **College of Staten Island / CUNY**

Certifications and Professional Development

- Maplesoft
- Excel
- MatLab
- Geogebra

Professional Organizations

- Mathematical Association of America
- American Mathematical Society
- Society of Actuaries
- American Mathematical Association of Two-Year Colleges

Helpful Career Links

- **BMCC Career Center**
  [www.bmcc.cuny.edu/career](http://www.bmcc.cuny.edu/career)

- **Internships and Experiential Learning**
  [www.bmcc.cuny.edu/experiential](http://www.bmcc.cuny.edu/experiential)

- **Mathematics**
  [www.bmcc.cuny.edu/academics/departments/math/mathematics-program](http://www.bmcc.cuny.edu/academics/departments/math/mathematics-program)

Career and Salary Possibilities*

- **Aerospace Engineer**
  ($80,900–$124,000)
- **Astronomer**
  ($43,000–$145,000)
- **Biostatistician**
  ($55,000–$126,000)
- **Computer Engineer**
  ($70,800–$128,000)
- **Mathematical Technician**
  ($80,964)
- **Statistical Assistant**
  ($54,606)

- **Software Engineer**
  ($60,500–$112,000)
- **Physicist**
  ($50,000–$154,000)
- **Statistician**
  ($49,000–$114,000)
- **Actuary**
  ($51,000–$165,000)
- **Mathematician**
  ($99,181)
- **Professor**
  ($83,181)

*Career and Salary Possibilities are not guaranteed. Additional education, training or experience may be required and salary ranges may vary depending on location, industry and education level. Career and salary data provided by Career Coach.*

UPDATED 4/15/20