



Math and Science for Secondary Education A.S.



The Secondary Education program offers students a solid foundation in the liberal arts and sciences, as well as educational foundations and subject concentration courses. The Secondary Education program offers students the choice of a major focusing on four teaching subject areas: Secondary Mathematics Education (SEM Major), Secondary Biology Education (SEB Major), Secondary Chemistry Education (SEC Major) and Secondary Physics Education (SEP). The courses in all four secondary education majors provide beginning preparation for later studies at a senior college, with the ultimate goal of obtaining initial New York State certification for secondary school teachers (in the specific subject concentration of Mathematics, Biology, Chemistry or Physics). Students in the Secondary Education program will need to continue their academic work at a senior college after completing their degree at BMCC and to obtain a B.A. degree, along with other state requirements, to become a certified teacher.

Specialized Skills

Critical Thinking
Teamwork/Collaboration
Professionalism/Work Ethic
Intercultural Fluency

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

Certifications and Professional Development

Microsoft Office Professional
Social Media for Business
Professional Writing

These and other **Certifications and Professional Development** options offered by the Center for Continuing Education and Workforce Development. www.bmcc.cuny.edu/ce

Professional Organizations

American Federation of Teachers
Council for Exception Children
National Education Association

Helpful Career Links

BMCC Career Center
www.bmcc.cuny.edu/career

Internships and Experiential Learning
www.bmcc.cuny.edu/experiential

Teacher Education
www.bmcc.cuny.edu/academics/departments/teacher-education/secondary-education-program/

Articulation Agreements

Lehman College
B.A./B.S in Teacher Education
Programs in Middle and
High School Education
(Biology, Chemistry,
Mathematics or Physics)

Other Transfer Options

Queens College / CUNY
College of Staten Island
York College / CUNY
Brooklyn College / CUNY
Molloy College
College of Mount Saint Vincent

Career and Salary Possibilities*

Biostatistician (\$55,000–\$126,000)	Physicist (\$50,000–\$154,000)
Computer Engineer (\$70,800–\$128,000)	Statistician (\$49,000–\$114,000)
Computer Programmer (\$58,700–\$122,000)	Math Teacher (\$51,700–\$79,600)
Software Engineer (\$60,500–\$112,000)	Science Teacher (\$50,000–\$125,000)

* **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.