

BCCC

Baltimore City Community College



ARTS AND SCIENCES TRANSFER, PURE AND APPLIED MATHEMATICS

Area of Concentration
Associate of Arts

The Pure & Applied Mathematics program offers a 60-credit sequentially tiered course work that provides students the opportunity to master conceptual, theoretical, and technical mathematical skills. The program helps students transfer to a college or university that offers a baccalaureate degree with a major in mathematics. This transfer program ensures that all transfer requirements are up to date with other higher education institutions.

The courses included in the program qualify students to transfer as a junior to Bachelor of Science degree programs at a four-year college or university. Advanced mathematics includes learning mathematical principles, analyzing data, and solving real-world problems. Students pursue a wide range of occupations.

Learn more at
bccc.edu/mathematics

ARTS AND SCIENCES TRANSFER, PURE AND APPLIED MATHEMATICS AOC

60 credit hours

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CAREER OPTIONS

- Actuary
- Analyst
- Mathematician
- School Mathematics Specialist
- Statistician

BCCC'S ADVANTAGE

- Small class size
- Virtual & remote learning
- Majority of graduates transfer to a bachelor's degree program or find job placements

APPLY TODAY
bccc.edu/apply

SUGGESTED SEQUENCE OF COURSES

Every degree-seeking student must complete the College's General Education Requirements in addition to the requirements of his/her academic program. Through the College's General Education Requirements, students acquire basic knowledge of the disciplines in the areas of arts and humanities, social and behavioral sciences, biological and physical sciences, mathematics, English composition, and computer literacy.

1ST SEMESTER	CREDITS	COURSE #
Preparation for Academic Achievement	1	PRE 100
English Writing	3	ENG 101
Health & Life Fitness	1	HLF ELEC
Calculus I	4	MAT 140
Logical and Critical Thinking	3	PHI 104
Fundamentals of Speech Communication	3	SPE 101
	15 Credits	

2ND SEMESTER	CREDITS	COURSE #
Programming in C	3	CSC 108
The American Economy I: Macroeconomic Theory	3	ECO 201
Introduction to Literature	3	ENG 200
Calculus II	4	MAT 141
Modern Elementary Statistics	3	MAT 107
	16 Credits	

3RD SEMESTER	CREDITS	COURSE #
Discrete Mathematics	3	MAT 219
History of American Civilization I or World History I	3	HIS 101 or HIS 151
Calculus III	4	MAT 210
General Physics I	5	PHY 203
	15 Credits	

4TH SEMESTER	CREDITS	COURSE #
Health & Life Fitness	1	HLF ELEC
Differential Equations	4	MAT 211
Linear Algebra	4	MAT 212
General Physics II	5	PHY 204
	14 Credits	