PURE & APPLIED MATHEMATICS

BCCC
Baltimore City Community College

The Pure & Applied Mathematics Program

offers a 60-credit sequentially tiered course work that provides student's opportunity to master conceptual, theoretical and technical mathematic skills. The program helps student 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.

Endless Career Options

The courses included in the program qualify students to transfer as a junior to Bachelor of Science degree programs into 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

PURE & APPLIED MATHEMATICS

Associate of Science Degree

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
- Articulation with Morgan State University

APPLY TODAY

bccc.edu/apply

SUGGESTED SEQUENCE OF COURSES

	Credits	Course No.
Program Prerequisites		
Intensive Program Writing	4	RENG 90
Composition Skills I	4	RENG 91
Composition Skills II	4	RENG 92
Arithmetic	3	MAT 80
Integrated Pre-Algebra & Intro Algebra	5	MAT 86
Integrated Elem. & Intermed. Algebra	5	MAT 87
1st Semester		
Prep. 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
Fund. of Speech Communications	3	SP 101
2nd Semester		
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
3rd Semester		
Discrete Mathematics	3	MAT 219
History of American Civilization I or World History I	3	H 101 /151
Advanced Calculus	4	MAT 210
General Physics I	5	PHYS 203
4th Semester		
Health & Life Fitness	1	HLF ELEC
Differential Equations	4	MAT 211
Linear Algebra	4	MAT 212
General Physics II	5	PHY 204