

MATHEMATICS MINOR

Program Description

The Minor in Mathematics is for students who are majors in other areas and are interested in acquiring sufficient knowledge of principals and concepts of Mathematics to apply in their major fields. The Minor in Mathematics requires eighteen (18) credit hours in Mathematics, and these courses provide enough tools and skills to solve practical scientific problems in any field of choice.

Student Learning Outcomes

Upon completion of the Minor in Mathematics, the student should be able to:

1. Demonstrate a high level of competency in applying mathematical concepts and language to the field of science the student is majoring in.
2. Demonstrate a high level of proficiency in applying mathematical modeling to complex phenomena in the field of science the student is majoring in.
3. Demonstrate high level of proficiency in computing skills using standard mathematical software and applying the skill to the field of science the student is majoring in.

Minor Requirements

Code	Title	Hours
Required Courses		
CMAT 111	Calculus I	4
CMAT 112	Calculus II	4
CMAT 211	Calculus III	4
Electives		
Select two of the following:		6
CMAT 212	Differential Equations	
CMAT 214	Linear Algebra	
CMAT 321	Mathematical Prob & Stat I	
Total Hours		18

Special Considerations

The Department of Mathematical Sciences encourages and advises undergraduate students majoring in Mathematics to choose a minor field in other "STEM" or Business areas by streamlining their choices in the General Education and Free Elective courses so that they satisfy the requirements of the program (usually 18 credit Hours) the student may choose to minor in. In particular, the Department of Mathematics encourages students to choose their minors in Physics, Chemistry, Biology or Computer Science by streamlining their choices of General Education Courses in the areas of C and E.

Placement Examination

Upon entrance to Clark Atlanta University, students may be required to take the College Placement Exam. Based on performance on the placement exam, students will be assigned to appropriate courses, such as:

Code	Title	Hours
CMAT 104	Finite Mathematics	3
CMAT 105	Pre-Calculus I	3
CMAT 106	Pre-Calculus II	3
CMAT 107	Precalculus (Accelerated)	4
CMAT 109	College Algebra for Bus & Econ	3
CMAT 110	Calculus for Bus & Econ	3
CMAT 111	Calculus I	4

Exemptions may be given to students if their AP score in the given Mathematics course is a 3 or above.