SECONDARY MATHEMATICS

Admissions Requirements

Applicants to the **Master of Arts Degree in Teaching: Broad Field Science, Grades 6-12** must meet the General Admissions Requirements of the University as published in this Catalog.

Student Learning Outcomes

Students pursuing the **Master of Arts Degree in Teaching in Grades 6-12** will:

1. Develop an in-depth knowledge of mathematics and /or science commensurate with the delivery of content standards in grade 6-12.
2. Demonstrate proficiency in using appropriate state-of the-field pedagogy and technology to meet the learning needs of diverse student populations.
3. Engage in self-assessment of performance and dispositions to determine impact on student learning and modify their instruction to ensure continual improvements in teaching and student learning.
4. Connect learning to students' life experiences through an integration cultural elements and broad range of real-world issues.
5. Assess student performance and use outcomes data to improve teaching and learning.

Degree Requirements

In addition to the General Degree Requirements as published in this Catalog and those specified by the School of Education, students pursuing the **Master of Arts Degree in Teaching: Secondary Mathematics, Grades 6-12** must complete the following course requirements:

Code	Title	Hours
Segment I		
CCPS 503		3
CEDC 530	Found. of Culturally Responsiv	3
CEDC 551	Research Des. & Eval. in Ed.	3
Segment IIA		
CEDC 538	Trends...in MGE/SEC Curriculum	3
CEDC 567	Calculus for Secondary Schools	3
CEDC 568	Geometry for Secondary School	3
Segment IIB		
CEDC 569	Mathematics for Grades 6-12 [1]	3
CMAT 5XX	Two Graduate level mathematics courses [2]	6
Segment III		
CEDC 553	Educational Res. Prac. Paper	3
CEDC 597	Internship-Secondary Education (560 field hours, waived if already certified)	6
Total Hours		**36**

[1] 200 field hours: 100 hours in grades 6-8 and 100 hours in grades 9-12.
[2] Selected in consultation with the student's advisor.

Qualifying Examinations

Prerequisites include completion of all coursework and passing relevant GACE content examinations.

Secondary Mathematics

Course	Title	Hours
First Year		
First Semester		
CEDC 551	Research Des. & Eval. in Ed.	3
CEDC 530	Found. of Culturally Responsiv	3
CCPS 503		3
	Hours	**9**
Second Semester		
CEDC 538	Trends...in MGE/SEC Curriculum	3
CEDC 568	Geometry for Secondary School	3
CEDC 567	Calculus for Secondary Schools	3
	Hours	**9**
Second Year		
First Semester		
CEDC 569	Mathematics for Grades 6-12 [1]	3
CMAT 5XX	Graduate Level Mathematics Course	3
CMAT 5XX	Graduate Level Mathematics Course	3
	Hours	**9**
Second Semester		
CEDC 553	Educational Res. Prac. Paper	3
CEDC 597	Internship-Secondary Education [2]	6
	Hours	**9**
	Total Hours	**36**

[1] 200 Field Hours: 100 Hours in Grades 6-8 and 100 Hours in Grades 9-12.
[2] 560 hours (waived if already certified).