

BROAD FIELD SCIENCE

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 with a required 3.0 GPA to be admitted to the certification program.

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, students pursuing the **Master of Arts Degree in Teaching: Broad Field Science, Grades 6-12** must complete the following course requirements and 200 field hours, 100 hours in grades 6-8 and 100 hours in grades 9-12.

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 510	Earth Sci for Middle Grades	3
CBIO/CPHY/CHE XXX	Graduate level course in Biology, Physics, or Chemistry	3-4
Segment IIB		
CEDC 570	Science for Grades 6-12 ¹	3
Select two of the following not represented by the previous degree area:		6
CEDC 571	Physics for Grades 6-12	
CEDC 572	Chemistry Secondary School...	
CEDC 573	Biology for Grades 6-12	
Segment III		
CEDC 553	Educational Res. Prac. Paper	3
CEDC 597	Internship-Secondary Education (560 field hours, waived if already certified)	6
Total Hours		36-37

¹ 200 field hours: 100 hours in grades 6-8 and 100 hours in grades 9-12.

Qualifying Examinations

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

Broad Field Science

Course	Title	Hours
First Year		
First Semester		
CEDC 551	Research Des. & Eval. in Ed.	3
CEDC 530	Found. of Culturally Responsiv	3
CCPS 503		
Hours		6
Second Semester		
CEDC 538	Trends...in MGE/SEC Curriculum	3
CEDC 510	Earth Sci for Middle Grades	3
CBIO/CPHY/CCHE 5XX	Graduate Biology, Physics, or Chemistry Course	3-4
Hours		9-10
Second Year		
First Semester		
CEDC 570	Science for Grades 6-12 ¹	3
Select two of the following not represented by previous degree area:		6
CEDC 571	Physics for Grades 6-12	
CEDC 572	Chemistry Secondary School...	
CEDC 573	Biology for Grades 6-12	
Hours		9
Second Semester		
CEDC 553	Educational Res. Prac. Paper	3
CEDC 597	Internship-Secondary Education ²	6
Hours		9
Total Hours		33-34

¹ 200 Field Hours: 100 Hours in Grades 6-8 and 100 Hours in Grades 9-12.

² 560 field hours (waived if already certified).