

MASTER OF ARTS IN EDUCATION - SCIENCE AND MATHEMATICS

Mission

The Master of Arts in Education degree program consists of an integrated knowledge core complemented by a coherently-focused academic program tailored to meet the needs of students. Based upon the communication and service core of education, this professional degree program provides an integrated master's degree for students pursuing a variety of career choices.

Student Learning Outcomes

Students graduating with the MAE in Science and Mathematics will be able to:

1. Demonstrate mathematical and scientific ability and a thorough knowledge of mathematics/science.
2. Apply mathematical and scientific knowledge in the field of mathematics/science education.
3. Communicate both about mathematics/science and by utilizing mathematics/science.
4. Use technology appropriately to do mathematics/science and then communicate about mathematics/science.
5. Apply mathematical sciences, including statistics and computer use, in other disciplines.

Courses

Listed below is the course work required by the Program:

Code	Title	Credits
Education Core Courses - Thesis Track		
EDCI 631	RESEARCH DESIGN AND DATA ANALYSIS ¹	3
EDCI 635	CURRICULUM DEVELOPMENT	3
or EDAD 631	PUBLIC RELATIONS	
MATH 533	STATISTICAL METHODS AND DATA ANALYSIS ²	3
MATH 535	SAMPLING TECHNIQUES ²	3
MATH 660	THESIS RESEARCH	6
Elective Option		
Education/Psychology Elective to be selected with advisor and approved by Graduate Committee		3
Content Electives		
Content Electives to be selected with advisor and approved by Graduate Committee		15
Total Credits		36

Code	Title	Credits
Education Core Courses - Scholarly Project Track		
EDCI 631	RESEARCH DESIGN AND DATA ANALYSIS ¹	3
EDCI 635	CURRICULUM DEVELOPMENT	3
or EDAD 631	PUBLIC RELATIONS	
MATH 533	STATISTICAL METHODS AND DATA ANALYSIS ²	3
MATH 535	SAMPLING TECHNIQUES ²	3

MATH 655	SCHOLARLY PROJECT	3
Elective Option		3
Education/Psychology Elective to be selected with advisor and approved by Graduate Committee		
Content Electives		18
Content Electives to be selected with advisor and approved by Graduate Committee		
Total Credits		36

- ¹ EDCI 631 RESEARCH DESIGN AND DATA ANALYSIS, should be completed within the first 12 course credits of student's program of study.
- ² Students who have taken the undergraduate equivalent of these courses will work with their advisors and committees to determine appropriate value-added courses.