

# Master of Education Program in Mathematics

## Research Focus

- Educational Management in Mathematics
- Developmental Mathematical Education
- Context-focused Math Education

## Structure of the Program

### 1. Credit Requirements \*

Requirements	Option 1.2	Option 2.1
Coursework	24	30
- Core Course	18	18
- Electives	3	9
Required Non-credit Courses	5	5
Thesis	12	-
Independent Study	-	6
<b>Total</b>	<b>36</b>	<b>36</b>

\* Minimum credits required

### 2. Core Courses

Requirements	Option 1.2		Option 2.1	
	Course No.	Cr.	Course No.	Cr.
Advanced Analysis	252511	3	252511	3
Linear Algebra and Matrix Theory	252523	3	252523	3
Graph and Combinatoric	252531	3	252531	3
Mathematics Literacy and Curriculum Development	382501	3	382501	3
Research in Mathematics Education	382502	3	382502	3

Requirements	Option 1.2		Option 2.1	
	Course No.	Cr.	Course No.	Cr.
Development of Learning Management in Mathematics	382503	3	382503	3
<b>Total</b>	<b>6</b>	<b>18</b>	<b>6</b>	<b>18</b>

### 3. Electives

Requirements	Option 1.2		Option 2.1	
	Course No.	Cr.	Course No.	Cr.
History of Mathematics	252442	3	252442	3
Set Theory and Its Applications	252443	3	252443	3
Advanced Calculus	252512	3	252512	3
Advanced Abstract Algebra 1	252525	3	252525	3
Mathematics in School	252572	3	252572	3
STEM Education	378513	3	378513	3
Organization of Science and Mathematics Camp	378514	3	378514	3
<b>Total</b>	<b>≥1</b>	<b>≥3</b>	<b>≥3</b>	<b>≥9</b>

### 4. Required Non-credit Courses

Requirements	Option 1.2		Option 2.1	
	Course No.	Cr.	Course No.	Cr.
Research Methodology in Social Sciences	366513	3	366513	3
Seminar 1	382581	1	382581	1
Seminar 2	382582	1	382582	1
<b>Total</b>	<b>3</b>	<b>5</b>	<b>3</b>	<b>5</b>

### 5. Thesis/Independent Study Credit Requirements

Requirements	Option 1.2		Option 2.1	
	Course No.	Cr.	Course No.	Cr.
Thesis 1, Option 1.2	382583	6	-	-
Thesis 2, Option 1.2	382584	6	-	-
Independent Study 1	-	-	382591	2
Independent Study 2	-	-	382592	2
Independent Study 3	-	-	382593	2
<b>Total</b>	<b>2</b>	<b>12</b>	<b>3</b>	<b>6</b>