

# LOWER ELEMENTARY MATHEMATICS CERTIFICATE, UNDERGRADUATE

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This certificate provides specialization in mathematics education for Early Childhood Education and Elementary Education majors. The certificate supports development of students' pedagogical content knowledge and mathematical knowledge for pre-kindergarten through 3rd grade.

Note: the courses in this program have prerequisites.

Note: the prerequisite for MATH 313 is MATH 114 or MATH 210.

## Required Courses

MATH 208	MATHEMATICS FOR ELEMENTARY TEACHERS I	5
MATH 209	MATHEMATICS FOR ELEMENTARY TEACHERS II	4

## Required Electives—choose two from the following 6-8

MATH 313	PATTERNS, RELATIONS AND ALGEBRAIC THINKING FOR PRIMARY TEACHERS	
MTED 425	ASSESSMENT IN THE MATHEMATICS CLASSROOM	
MTED 476	MATHEMATICAL PROGRESSIONS	

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<b>Total Credits</b>		<b>15-17</b>
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