

# Childhood Education

## Mathematics Concentration (Grades 1-6)

Bachelor of Science (B.S.) Degree in Childhood Education

Bachelor of Science (B.S.) Degree in Childhood Education with a Bilingual Extension/Spanish

Bachelor of Science (B.S.) Degree in Exceptional Education and Childhood Education (Dual Certification)

Bachelor of Science (B.S.) Degree in Exceptional Education with a Bilingual Extension/Spanish

### Eight Mathematics Courses are required: 32 credits

- Students may transfer a maximum of **four** of these courses (16 credits) from other institutions.

#### All of the following: Seven Courses      28 Credits

MA2010	Foundations of Mathematics I	4
MA3020	Foundations of Mathematics II	4
MA2310	Calculus & Analytic Geometry I	4
MA2320	Calculus & Analytic Geometry II	4
MA3030	Discrete Mathematics	4
MA3160	Linear Algebra	4
MA3210	Intro. to Probability & Statistics	4

#### Elective: One Upper Division Mathematics Course      4 Credits

Take one 3000 level or 4000 level mathematics course:

MA3xxx      Or      MA 4xxx

## Sample Course Sequence

Year	Fall	Spring
1	MA2010 Foundations of Mathematics I MA2310 Calculus I	MA3020* Foundations of Mathematics II MA2320 Calculus II
2	MA3030 Discrete Mathematics MA3160 Linear Algebra	MA3210 Intro. to Probability & Statistics Elective: MA3xxx or MA4xxx

## Prerequisites Guide

COURSES	PREREQUISITE Grade of C or better
<b>MA2010</b> Foundations of Mathematics I	<b>MA1020</b> College Algebra
<b>MA3020*</b> Foundations of Mathematics II	<b>MA1020</b> College Algebra
<b>MA2310</b> Calculus I	<b>MA2090</b> Precalculus
<b>MA2320</b> Calculus II	<b>MA2310</b> Calculus I
<b>MA3030</b> Discrete Mathematics	<b>MA2090</b> Precalculus
<b>MA3160</b> Linear Algebra	<b>MA2310</b> Calculus I
<b>MA3210</b> Intro. to Probability & Statistics	<b>MA2310</b> Calculus I

**Reminder:** MA3020 is offered in Spring

\* Previous course number – MA2020