

# Department of Mathematics and Computer & Information Science

## 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: 4

MA3xxx Or MA 4xxx

## Sample Course Sequence

Year	Fall	Spring
1	<b>MA2010</b> Foundations of Mathematics I <b>MA2310</b> Calculus & Analytic Geometry I	<b>MA3020*</b> Foundations of Mathematics II <b>MA2320</b> Calculus & Analytic Geometry II
2	<b>MA3030</b> Discrete Mathematics <b>MA3160</b> Linear Algebra	<b>MA3210</b> Intro. to Probability & Statistics <b>MA3xxx Or MA 4xxx</b>

## Prerequisite 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 and Analytic Geometry I	<b>MA2090</b> Precalculus
<b>MA2320</b> Calculus and Analytic Geometry II	<b>MA2310</b> Calculus and Analytic Geometry I
<b>MA3030</b> Discrete Mathematics	<b>MA2090</b> Precalculus <b>or</b> <b>MA2080</b> Precalculus for Business & Economics
<b>MA3160</b> Linear Algebra	<b>MA2310</b> Calculus and Analytic Geometry I <b>or</b> <b>MA2300</b> Calculus for Business & Economics
<b>MA3210</b> Intro. to Probability & Statistics	<b>MA2310</b> Calculus and Analytic Geometry I <b>or</b> <b>MA2300</b> Calculus for Business & Economics

### Reminder :

**MA3020 is offered in Spring**

\* Previous course number – MA2020