

**B.A. / B.S. in Mathematics - - - Mathematics Education Option Courses & Prerequisites**

MATHEMATICS COURSES	SEM. OFFERED	PREREQUISITES	MATHEMATICS TEACHING AND LEARNING COURSES	SEM. OFFERED	PREREQUISITES
<input type="checkbox"/> <b>ISTA 130</b> or <b>CSC 127A</b> Intro. to Computer Science	Fall, Spring		<input type="checkbox"/> <b>MATH 205*</b> Teaching Mathematics	Fall	MATH 124/125; MATH 129 or consent of instructor; Sophomore standing
<input type="checkbox"/> <b>MATH 124/125</b> Calculus I	Fall, Spring, Summer	MATH 120R, or MATH 110/112 and MATH 111, or placement exam eligible	<input type="checkbox"/> <b>STCH 310*</b> Adolescent Dev and Learning	Spring, Summer	Sophomore standing
<input type="checkbox"/> <b>MATH 129</b> Calculus II	Fall, Spring, Summer	MATH 124 or MATH 125	<input type="checkbox"/> <b>SERP 301B</b> Inclusion - Secondary Educ.	Fall, Spring	
<input type="checkbox"/> <b>MATH 223</b> Vector Calculus	Fall, Spring, Summer	MATH 129 or MATH 250A	<input type="checkbox"/> <b>LCEV 408</b> SEI Foundations (online)	Fall, Spring	Sophomore standing
<input type="checkbox"/> <b>MATH 215</b> Intro to Linear Algebra	Fall, Spring, Summer	MATH 129 or MATH 250A	<input type="checkbox"/> <b>LCEV 416</b> SEI Methods (online)	Fall, Spring	LCEV 408
<input type="checkbox"/> <b>MATH 355</b> Analysis of Ord. Diff. Eq.	Fall, Spring	MATH 215	<input type="checkbox"/> <b>LRC 435</b> Content Area Literacy	Fall, Spring, Summer	
<input type="checkbox"/> <b>MATH 362</b> Intro to Probability Theory	Fall, Spring	MATH 129 or MATH 250A	<input type="checkbox"/> <b>MATH 406A*</b> Curriculum and Assessment in Secondary School Mathematics	Spring	MATH 205, STCH 310, MATH 330; MATH 315 & MATH 362 may be taken concurrently; GPA $\geq$ 2.5 in MATH 124/125, 129, 215, 223
<input type="checkbox"/> <b>MATH 330</b> Topics in Geometry	Fall	MATH 215	<input type="checkbox"/> <b>MATH 406B*</b> Methods of Teaching Mathematics in Secondary Schools	Fall	MATH 406A GPA $\geq$ 2.5 in MATH 124/125, 129, 215, 223
<input type="checkbox"/> <b>MATH 323</b> Formal Mathematical Reasoning	Fall, Spring, Summer	MATH 215	<input type="checkbox"/> <b>MATH 494C*</b> Student Teaching	Fall, Spring	MATH 406B; SERP 301B; LCEV 408; LCEV 416; LRC 435; Overall GPA $\geq$ 2.0; Major GPA $\geq$ 2.0; Pedagogy GPA $\geq$ 2.5
<input type="checkbox"/> <b>MATH 404</b> History of Mathematics	Fall	MATH 323	<b>*Course has a field experience and a Fingerprint Clearance Card (FCC) requirement from the AZ Dept. of Public Safety</b>		
<input type="checkbox"/> <b>MATH 315</b> Intro. to Number Theory and Modern Algebra	Spring	MATH 323 or consent of instructor	<b>Choose ONE option for AZ &amp; US Constitutions (for AZ Certification):</b>		
<input type="checkbox"/> <b>MATH 407</b> Synthesis of Mathematical Concepts	Fall	MATH 323 and MATH 315 or MATH 415A and MATH 330	<input type="checkbox"/> UA- POL 210 <input type="checkbox"/> PCC- POS 210 <input type="checkbox"/> UA- POL 201 & 230 <input type="checkbox"/> PCC- POS 201 & POS 231 <input type="checkbox"/> UA- POL 201 & 214 <input type="checkbox"/> PCC- POS 201 & POS 214 <input type="checkbox"/> AEPA (Exam - <a href="http://www.aepa.nesinc.com">http://www.aepa.nesinc.com</a> ) <input type="checkbox"/> Equivalent course from another institution		

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