

**B.A. / B.S. in Mathematics - Mathematics Education Emphasis - 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 110</b> Intro. to Computer Science	Fall, Spring	MATH 112: required for CSC, recommended for ISTA	<input type="checkbox"/> <b>MATH 205* (16 hrs FP)</b> Teaching Mathematics	Fall	MATH 122B or 125 or 129
<input type="checkbox"/> <b>MATH 122A&amp;B</b> or <b>125</b> Calculus I	Fall, Spring, Summer	MATH 120R <sup>†</sup> or placement	<input type="checkbox"/> <b>EDP 301</b> Educational Psychology and Child and Adolescent Development	Fall, Spring, Summer	
<input type="checkbox"/> <b>MATH 129</b> Calculus II	Fall, Spring, Summer	MATH 122B <sup>†</sup> or MATH 125 <sup>†</sup>	<input type="checkbox"/> <b>SERP 400</b> Survey of Exceptional Students	Fall, Spring, Summer	
<input type="checkbox"/> <b>MATH 223</b> Vector Calculus	Fall, Spring, Summer	MATH 129 <sup>†</sup>	<input type="checkbox"/> <b>TLS 416</b> Intro to Structured English Immersion (SEI)	Fall, Spring, Summer	Contact College of Education if unable to enroll
<input type="checkbox"/> <b>MATH 313</b> <sup>‡</sup> Intro to Linear Algebra	Fall, Spring, Summer	MATH 129 <sup>†</sup>	<input type="checkbox"/> <b>TLS 435</b> Content Area Literacy	Spring	
<input type="checkbox"/> <b>MATH 355</b> Analysis of Ord. Diff. Eq.	Fall, Spring	MATH 313	<input type="checkbox"/> <b>MATH 406A*(30 hrs FP)</b> Curriculum and Assessment in Secondary School Mathematics	Spring	MATH 205, EDP 301, MATH 330. MATH 315 & MATH 361 may be taken concurrently. GPA $\geq 2.5$ in MATH 122A&B/125, 129, 223
<input type="checkbox"/> <b>MATH 361</b> Statistics for Teaching	Spring	MATH 223; 313 recommended	<input type="checkbox"/> <b>MATH 406B*(30 hrs FP)</b> Methods of Teaching Mathematics in Secondary Schools	Fall	MATH 406A GPA $\geq 2.5$ in MATH 122A&B/125, 129, 223
<input type="checkbox"/> <b>MATH 330</b> Topics in Geometry	Fall	MATH 313	<input type="checkbox"/> <b>MATH 494C*(80 days FP)</b> Student Teaching	Fall, Spring	All mathematics content & pedagogy courses Overall GPA $\geq 2.0$ ; Major GPA $\geq 2.0$ ; Pedagogy GPA $\geq 2.5$
<input type="checkbox"/> <b>MATH 315</b> Intro. to Number Theory and Modern Algebra	Spring	MATH 313	*Course has a Field Practicum (FP) and a Fingerprint Clearance Card (FCC) requirement from the AZ Dept. of Public Safety		
<input type="checkbox"/> <b>MATH 323</b> Formal Mathematical Reasoning	Fall, Spring, Summer	MATH 313**	<sup>†</sup> Grade of C or better required in this prerequisite. <sup>‡</sup> MATH 313 has replaced 215; students with credit for 215 will satisfy this requirement and qualify for courses requiring 313 as prerequisite. **Students who earn a C in 313 must enroll in MATH 396L with 323. Students who earn a D in 313 need to take 315 prior to 323 + 396L.		
<input type="checkbox"/> <b>MATH 404</b> History of Mathematics	Fall	MATH 313	<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 330, MATH 323 and (MATH 315 or MATH 415A)	<input type="checkbox"/> UA- <b>POL 210</b> <input type="checkbox"/> PCC- <b>POS 210</b> <input type="checkbox"/> Equivalent course from another institution <input type="checkbox"/> <b>AEPA</b> Exams – ( <a href="http://www.aepa.nesinc.com">http://www.aepa.nesinc.com</a> )		

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