

**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	College Algebra recommended	<input type="checkbox"/> <b>MATH 205*</b> (16 hrs FP) Teaching Mathematics	Fall	MATH 122B or 125; MATH 129 or consent of instructor; Sophomore standing
<input type="checkbox"/> <b>MATH 122A&amp;B</b> or <b>125</b> Calculus I	Fall, Spring, Summer	MATH 120R†, or MATH 112† and MATH 111†, or placement exam eligible	<input type="checkbox"/> <b>STCH 310*</b> (16 hrs FP) Adolescent Dev and Learning	Spring	Sophomore standing
<input type="checkbox"/> <b>MATH 129</b> Calculus II	Fall, Spring, Summer	MATH 122B† 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>LRC 416</b> Structured English Immersion (SEI) Foundations	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>LRC 417</b> Structured English Immersion (SEI) Methods	Fall, Spring	LRC 416
<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	
<input type="checkbox"/> <b>MATH 361</b> Statistics for Teaching	Spring	MATH 215 and MATH 223 (or equivalents)	<input type="checkbox"/> <b>MATH 406A*</b> (30 hrs FP) Curriculum and Assessment in Secondary School Mathematics	Spring	MATH 205, STCH 310, MATH 330; MATH 315 & MATH 361 may be taken concurrently; GPA ≥ 2.5 in MATH 122A&B/125, 129, 215, 223
<input type="checkbox"/> <b>MATH 330</b> Topics in Geometry	Fall	MATH 215 or MATH 410	<input type="checkbox"/> <b>MATH 406B*</b> (30 hrs FP) Methods of Teaching Mathematics in Secondary Schools	Fall	MATH 406A GPA ≥ 2.5 in MATH 122A&B/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> (85 days FP) Student Teaching	Fall, Spring	All mathematics content & pedagogy courses Overall GPA ≥ 2.0; Major GPA ≥ 2.0; Pedagogy GPA ≥ 2.5
<input type="checkbox"/> <b>MATH 315</b> Intro. to Number Theory and Modern Algebra	Spring	MATH 215	<b>*Course has a Field Practicum (FP) and a Fingerprint Clearance Card (FCC) requirement from the AZ Dept. of Public Safety</b>		
<input type="checkbox"/> <b>MATH 404</b> History of Mathematics	Fall	MATH 323	<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"/> <b>UA- POL 210</b> <input type="checkbox"/> <b>PCC- POS 210</b> <input type="checkbox"/> Equivalent course from another institution <input type="checkbox"/> <b>AEPA Exams</b> – ( <a href="http://www.aepa.nesinc.com">http://www.aepa.nesinc.com</a> )		

Laurie Varecka, Math Center Coordinator, [mcenter@math.arizona.edu](mailto:mcenter@math.arizona.edu) or Cynthia Anhalt, SMEP Director, [canhalt@math.arizona.edu](mailto:canhalt@math.arizona.edu)

†Grade of C or better required in this prerequisite.