



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"/> ISTA 130 or CSC 110 Intro. to Computer Science	Fall, Spring	MATH 112: required for CSC, recommended for ISTA	<input type="checkbox"/> MATH 205* (16 hrs FP) Teaching Mathematics	Fall	MATH 122B or 125; MATH 129 or consent of instructor; Sophomore standing
<input type="checkbox"/> MATH 122A&B or 125 Calculus I	Fall, Spring, Summer	MATH 120R† or placement	<input type="checkbox"/> EDP 301 Educational Psychology and Child and Adolescent Development	Fall, Spring, Summer	
<input type="checkbox"/> MATH 129 Calculus II	Fall, Spring, Summer	MATH 122B† or MATH 125†	<input type="checkbox"/> SERP 400 Survey of Exceptional Students	Fall, Spring, Summer	
<input type="checkbox"/> MATH 223 Vector Calculus	Fall, Spring, Summer	MATH 129†	<input type="checkbox"/> LCEV 408 Structured English Immersion (SEI)	Fall, Spring, Summer	Contact College of Education if unable to enroll
<input type="checkbox"/> MATH 313‡ Intro to Linear Algebra	Fall, Spring, Summer	MATH 129†	<input type="checkbox"/> TLS 435 Content Area Literacy	Spring	
<input type="checkbox"/> MATH 355 Analysis of Ord. Diff. Eq.	Fall, Spring	MATH 313	<input type="checkbox"/> MATH 406A* (30 hrs FP) 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"/> MATH 361 Statistics for Teaching	Spring	MATH 223; 313 recommended	<input type="checkbox"/> MATH 406B* (30 hrs FP) Methods of Teaching Mathematics in Secondary Schools	Fall	MATH 406A GPA \geq 2.5 in MATH 122A&B/125, 129, 223
<input type="checkbox"/> MATH 330 Topics in Geometry	Fall	MATH 313	<input type="checkbox"/> MATH 494C* (80 days FP) 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"/> MATH 315 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"/> MATH 323 Formal Mathematical Reasoning	Fall, Spring, Summer	MATH 313**	†Grade of C or better required in this prerequisite. ‡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"/> MATH 404 History of Mathematics	Fall	MATH 313	Choose ONE option for AZ & US Constitutions (for AZ Certification): <input type="checkbox"/> UA- POL 210 <input type="checkbox"/> PCC- POS 210 <input type="checkbox"/> Equivalent course from another institution <input type="checkbox"/> AEPA Exams – (http://www.aepa.nesinc.com)		
<input type="checkbox"/> MATH 407 Synthesis of Mathematical Concepts	Fall	MATH 330, MATH 323 and (MATH 315 or MATH 415A)			

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THE UNIVERSITY OF ARIZONA
COLLEGE OF SCIENCE

Mathematics

Secondary Mathematics Education Program



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