

CHECK SHEET FOR THE B.S. DEGREE IN MATHEMATICS (AY 2025 - 26)
DEPARTMENT OF MATHEMATICS
 University of Central Arkansas

MATHEMATICS EDUCATION TRACK (63 HRS)

Core Courses (21 Hours)

	COURSE NO.	COURSE	CREDIT HRS	PREREQUISITE	SEMESTER OFFERED
	MATH 1496	Calculus I	4	C or better in MATH 1390 and MATH 1392; or C or better in MATH 1486; or equivalent.	Fall, Spring
	MATH 1497	Calculus II	4	C or better in MATH 1496.	Fall, Spring
	MATH 2341	Mathematical Computation	3	MATH 1497 or concurrent enrollment in MATH 1497	Fall
	MATH 2471	Calculus III	4	C or better in MATH 1497	Fall, Spring
	MATH 3311	Statistical Methods	3	MATH 2341, or MATH 1496 & CSCI1470, or consent of instructor	Fall, Spring
	MATH 3320	Linear Algebra [Upper Core : I]	3	MATH 1497 or 2330	Fall, Spring

Required Courses (36 Hours)

	MATH 2335	Transition to Advanced Math	3	MATH 1497	Spring
	MATH 3360	Introduction to Rings and Fields	3	MATH 2335	Fall
	MATH 3370	Math in the Secondary Schools	3	MATH 1496	Fall odd
	MATH 4301	Secondary Math Methods [Upper Core C]	3	MATH 2471 and MATH 3370	Fall even
	MATH 4313	Functions and Modeling	3		Spring odd
	MATH 4345	College Geometry	3	MATH 1496	Spring
	MATH 4350	Intro to the History of Mathematics [Upper Core: D]	3	MATH 1497	Fall
	MATH 4660	Internship I	6		
	MATH 4990	Internship II	9		

Choose 2 electives from the following (6hrs)

MATH 3331 Ordinary Differential Equations (spring)	MATH 4306 Modeling and Simulation (spring, requires 3331)
MATH 3354 Concepts of Discrete Mathematics (spring)	MATH 4362 Advanced Calculus (spring odd)
MATH 3362 Group Theory (spring)	MATH 4371 Introduction to Probability Theory (fall)
MATH 3381 Data Cleaning and Visualization (fall)	MATH 4373 Regression Analysis (spring)
	MATH 4385 Complex Analysis (spring)

Math Education Minor (17 hours)

	EDUC 1300	Education as a Profession	3		Fall/Spring
	EDUC 3322	Diverse Learner in Inclusive Setting	3		Fall/Spring
	MSIT 3310	Learning & Development	3		Fall/Spring
	MSIT 4305	Classroom Management	3		Fall/Spring
	EDUC 4210	Integration of Technology	2		Fall/Spring
	MSIT 4321	Classroom Assessment (or MATH 4200)	3		Fall/Spring

OTHER REQUIREMENTS

- Must complete 120 semester hours including 38 hours of General Education.
- GPA of 2.5 or better in each of the major and minor fields.
- Must have 40 hours of upper level (3000 or 4000) courses.
- Praxis II content exams must be passed before enrolling in STEM 4600.
- At least 15 hours of the major must be earned in residence.