

CHECK SHEET FOR THE B.S. DEGREE IN MATHEMATICS (AY 2023 - 24)
DEPARTMENT OF MATHEMATICS
University of Central Arkansas

MATHEMATICS EDUCATION OPTION

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 (21 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	Alternating Fall
MATH 4301	Secondary Math Methods [Upper Core C]	3	MATH 2471 and MATH 3370	Alternating Spring
MATH 4313	Functions and Modeling	3		Alternating Fall
MATH 4345	College Geometry	3	MATH 1496	Spring
MATH 4350	Introduction to the History of Mathematics [Upper Core: D]	3	MATH 1497	Fall

AND STEM EDUCATION MINOR (31 Hours)

EDUC 1300	Education as a Profession	3		Fall/Spring
EDUC 4210	Integration of Technology	2		Fall/Spring
MATH 4200	Intro to Testing and Assessment	2		Alternating Spring
MSIT 3310	Learning & Development	3		Fall/Spring
EDUC 3322	Diverse Learner in Inclusive Setting	3		Fall/Spring
MSIT 4305	Classroom Management	3		Fall/Spring
MATH 4360	Internship I	3		
MATH 4T90	Internship II	12		

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.