Name:	**Mathematics B.A.** STEM Education Minor, Mathematics (7-12) Teacher Licensure
Expected Graduation Date:	Updated:

The requirements for the mathematics B.A. degree are listed in black.
The STEM Education minor and math teacher licensure requirements are in red.
The placement of the courses below suggests one possibility; there are other options;

Fall	Spring
STEM 12001 Intro to Teaching STEM Subjects *(fulfills UNIV 10051 requirement)*	STEM 12102 Inquiry Approach to Teaching STEM Subjects
MATH 24004 Calculus I	MATH 25004 Calculus II
	MATH 28003 Transition to Advanced Mathematics
	MATH 28001 Transitions Adv. Math Lab

Fall	Spring
STEM 21003 Knowing & Learning in Math & Science	STEM 32003 Classroom Interactions
MATH 26004 Calculus III	MATH 31103 Intro to Abstract Algebra
MATH 30903 Abstract Linear Algebra	STAT 30043 Statistical Methods (elective)
	CSCE 20004 Programming Foundations 1

Fall	Spring
MATH 29003 Functions, Foundations, Models (even years)	MATH 49903 Math Major Seminar
MATH 35103 Elementary Analysis	MATH 31303 History of Math (elective)
MATH 32003 Number Theory (elective)	

Fall	Spring
(new internship course tba – part time Fall Internship, 2 school days a week, Tues/Thurs.)	STEM 45006 Teaching Internship *Full time internship for 16 weeks*
STEM 43003 Teaching Secondary Mathematics 1	STEM 43103 Teaching Secondary Mathematics II *Meets one evening a week on campus*
MATH 37703 Foundations of Geometry (elective)	

Add other university requirements and electives to reach required total of 120 credit hours for graduation

The Mathematics B.A. requires 4 upper-level MATH/STAT electives (which can include MATH 25804 Differential Equations). The four electives above are recommended for teaching. Two other recommended electives are:
MATH 30103 Intro to Probability and MATH 31003 Combinatorics

STEM 20003 The Art of STEM Communication is recommended for students who need a social science elective. It can also be taken instead of STEM 12001/12102, although the latter is recommended for future math teachers.

See **Fulbright advisor for STEM Ed minor** Suzanne Wyatt for an official advising guide (suzanneh@uark.edu)
Declare the STEM Education minor on the Fulbright Program Update form:
https://fulbright.uark.edu/advising-center/academic_services/program-update.php

See **STEM Ed program advisor** (unofficial advising) to learn how the STEM Ed minor and the teaching internship courses can fit into the mathematics or computer science degree: Dr. Kim McComas, kmccomas@uark.edu

Non-licensure Options: Students who choose not to complete the teacher licensure program for secondary mathematics, science, or computer science can apply the STEM Ed courses to earn a 9-credit hour Certificate in STEM Education or the 15-credit hour Minor in STEM Education.

Advising Notes: