

## BAE, Mathematics/Elementary (K-8)

Major requirements (48 credits):

Course Number	Course Name	Credits	Prerequisites	Quarters Offered
Math 114	Algebra Concepts	5	MPT Score $\geq$ 15, Math 103 (3.0 or better), or Math 104 (2.0 or better).	Fall, winter, spring, summer
Math 211	Structure of Elementary Mathematics I	5	Engl 100, Math 114 (2.0 or better) or 104 (3.0 or better) or MPT Score $\geq$ 23.	Fall, winter, spring, summer
Math 212	Structure of Elementary Mathematics II	5	Math 211	Fall, winter, spring, summer
Math 311	Functions and Relations	5	Math 114 & 211 & 212	Fall, winter
Math 312	Geometry for the K-8 Teacher	5	Math 311 & computer literacy clearance.	Fall
Math 390	Methods of Teaching Elementary School Mathematics	5	Math 211 & 212, Junior standing, and Educ 303.	Fall, winter, spring, summer
Math 411	Development of the Number System	4	Math 311	Winter
Math 412	Advanced Methods of Teaching K-8 Mathematics	5	Math 311 & 390 or Math 493.	Fall, spring
Math 420	Problem Solving for K-8 Teachers	4	Math 311 & 390 or equivalent or teaching experience, and computer literacy clearance.	Winter, spring
Math 490	Dept. Senior Capstone: Mathematics Practicum/Elementary	5	Math 390, Math 412, & Sr. stand.	Fall, winter, spring

\*This major requires completion of a minor + Professional Education requirements (102-103 credits) – See schedule on next page

Minor requirements (34 credits):

Course Number	Course Name	Credits	Prerequisites	Quarters Offered
Math 114	Algebra Concepts	5	See above.	See above.
Math 211	Structure of Elementary Mathematics I	5	See above.	See above.
Math 212	Structure of Elementary Mathematics II	5	See above.	See above.
Math 311	Functions and Relations	5	See above.	See above.
Math 390	Methods of Teaching Elementary School Math.	5	See above.	See above.
Math 412	Advanced Methods of Teaching K-8 Math.	5	See above.	See above.
Math 420	Problem Solving for K-8 Teachers	4	See above.	See above.

- Note: Math 490 is recommended as a senior capstone.

If the major or minor shown above is your chosen program, you should meet with the Department Chair to plan your first quarter of classes and to be assigned to a departmental adviser. Please contact:

Dr. Barbara L. Alvin, Department Chair  
Department of Mathematics  
Phone: (509) 359-2203  
E-Mail: balvin@ewu.edu

## SCHEDULE FOR NEW FRESHMEN

ASSUMPTIONS: This assumes that the student is initially placed in college-level Computer Literacy, English Composition, and Mathematics. Otherwise, the student also may need to take any or all of the following: CPLA 100, ENGL 100, Math 103, and Math 104.

Year	Fall	L	CR	Winter	L	CR	Spring	L	CR
Freshman	CPLA 101 ENGL 101 BIOL 115* MATH 114	P/T P/T	1 5 5 5	MATH 211 ENGL 201 CMST 200 HIST 110*	P P/T P	5 5 4 5	MATH 212 GEOG 101* EDUC 200 EDUC 303 EDUC 418	P	5 5 1 3 3
Sophomore	MATH 311 EDUC 201 GECR* MINOR	P P P P	5 3 5 3-5	CEDP 302 GEOG 115* PHYS 115*	P	5 5 5	MATH 390 GECR MINOR*	P P	5 5 3-5
Junior	MATH 312 EDUC 304 CEDP 363 GECR*	P P P	5 3 4 5	MATH 411 EDUC 310 PHED 390 MINOR*	P PC P	4 3 3 3-5	MATH 420 CMST 340 or SOCI 320* MINOR* HIST 104*	P P	4 5 3-5 5
	MATH 412 EDUC 338 EDUC 339 MINOR	P PC PC P	5 3 4 3-5	EDUC 420 MUSC 390 ART 390 MATH 490 MINOR*	P P P P	1 3 3 5 3-5	EDUC 423 (Elem. Student Teaching)	P	15

\* There are multiple courses that satisfy this requirement. Consult with advisor before registering.

## THREE-YEAR SCHEDULE FOR TRANSFERRING AA HOLDERS

	Fall	L	CR	Winter	L	CR	Spring	L	CR
Junior	MATH 212 CPLA 101 MINOR* EDUC 200 EDUC 303 EDUC 418	P P/T	5 1 3-5 1 3 3	MATH 390 MATH 311 EDUC 304 CEDP 302	P P P P	5 5 3 5	MATH 412 EDUC 310 MINOR* MINOR*	P PC	5 3 3-5 3-5
Senior	MATH 312 MINOR* INT'L. STDY	P	5 3-5 4	MATH 411 MATH 420 MUSC 390 ART 390	P P P P	4 5 3 3	CEDP 363 EDUC 338 EDUC 339 MINOR*	PC PC	4 3 4 3-5
5th year	MATH 490 EDUC 420 PHED 390 MINOR*	P P P	5 1 3 3-5	EDUC 423 (Elem. Student Teaching)	P	15			

TRANSFER ASSUMPTIONS: Direct transfer degree includes equivalencies for: ENGL 201, MATH 211 (prerequisite is MATH 114), EDUC 201, Cultural and Gender Diversity (e.g. CMST 340 or SOCI 320), and CMST 200 (Speech).

C-concurrent enrollment	D-defined choices; contact Advisor in major department	E-equivalent
I-internship	O-overload	P-prerequisite(s) required
R-recommended	S-required supporting course	PPI-prior permission of Instructor
	T-placement test required	V-variable credit /-or