

B.S. in Mathematics Education, 2020-2021

	Course	Title	Cr.	Sched.	Prerequisites
Required GE	Quantitative Lit.	MATH 1210 - Calculus I*	4	F/S/Su	MATH 1050 & 1060 or ACT 26+
Other GE Courses are required to graduate with a Bachelor's Degree from SUU.** The above-listed courses count for both GE and major requirements.					
Math Ed Core Courses	MATH 1220	Calculus II	4	F/S/Su	MATH 1210
	MATH 2210	Calculus III	4	F/S/Su	MATH 1220
	MATH 2270	Linear Algebra	3	F/S/Su	MATH 1220
	MATH 2280	Differential Equations	3	S	MATH 1220 & 2270 (2270 may be concurrent)
	MATH 3010	Math for Secondary Ed. I	3	F	MATH 1210
	MATH 3020	Math for Secondary Ed. II	3	S	MATH 3010
	MATH 3040	History of Mathematics	3	S-Even	MATH 1220 (or concurrently)
	MATH 3120	Transition to Advanced Math	3	F/S	MATH 1220 & 2270
	MATH 3130	Modern Geometries	3	S	MATH 3120
	MATH 3700	Probability and Statistics	4	F/S/Su	MATH 1220
	MATH 4220	Abstract Algebra I	3	F	MATH 3120
MATH 4400	Advanced Calculus I	3	F	MATH 2210 & 3120	
UD Course	Choose one upper-division math course (numbered 3000-4999) from the table below.				
Teacher Ed Courses	MATH 4900	Methods of Teaching Sec. Math	3	F	MATH 1210 & 1040 or 3700
	MATH 4980	Student Teaching	2	F/S	Admission to Student Teaching
In addition to the major requirements for Math Education, students must complete the Professional Education Requirements for Secondary Licensure. Please see the Degree Worksheet for Secondary Licensure for the information on those courses.					
Options for Upper-Division Math Elective Course (Choose 1)					
Upper-Division Math Courses	MATH 3160	Number Theory	3	F-Odd	MATH 3120
	MATH 3250	Complex Variables	3	S-Odd	MATH 2210
	MATH 3500	Actuarial Mathematics	3	S-Even	MATH 1100 or 1210
	MATH 3600	Numerical Analysis	3	S-Even	MATH 2250 or 2280 & programming knowledge
	MATH 3770	Mathematical Modeling	3	S-Odd	MATH 3700
	MATH 3800	Partial Differential Equations	3	F-Odd	MATH 2210 & 2250 or 2280
	MATH 3990	Undergraduate Research	1-3	***	Instructor Perm., taught as needed
	MATH 4230	Abstract Algebra II	3	S-Even	MATH 4220
	MATH 4340	Topology	3	F-Even	MATH 3120
	MATH 4410	Advanced Calculus II	3	S-Odd	MATH 4400
	MATH 4700	Special Topics	1-3	***	Instructor Perm., taught as needed

Additional Degree Requirements:

In addition to the above-listed requirements, to complete a Bachelor's Degree at SUU, students must have a total of 40 upper-division credits, and 120 credits total. Mathematics Education Majors may need a small number of upper-division or free elective credits to meet one of these requirements.

* If not Calculus-ready, students must take MATH 1050 and MATH 1060 before taking MATH 1210.

** PHYS 2210/2215 is the recommended Physical Science GE course for students seeking advanced degrees in mathematics.

*** Indicates the course will be taught as needed; see the department for additional course information.