

Mathematics - JacksTeach

Bachelor of Science

Stephen F. Austin State University



Freshman Year

Fall Semester				Spring Semester			
SFA Course Number (Beginning Fall 2020)	SFA Course Number (Prior to Fall 2020)	Description	Credit	SFA Course Number (Beginning Fall 2020)	SFA Course Number (Prior to Fall 2020)	Description	Credit
MATH 2313/2113	MTH 233	Calculus I	4	MTH 2314/2114	MTH 234	Calculus II	4
ENGL 1301	ENG 131	English	3	ENGL 1302	ENG 132	English	3
Add. Sci. ⁵	Add. Sci. ⁵	Additional Science	4	Add. Sci. ⁵	Add. Sci. ⁵	Additional Science	4
HIST 1301	HIS 133	U.S. History	3	HIST 1302	HIS 134	U.S. History	3
JTCH 1101		Step 1: Inquiry Approaches to STEM Teaching	1	JTCH 1102		Step 2: Inquiry-Based Lesson Design	1
			Hours				Hours
			15				15

Sophomore Year

Fall Semester				Spring Semester			
SFA Course Number	SFA Course Number	Description	Credit	SFA Course Number	SFA Course Number	Description	Credit
MATH 3315/3115		Calculus III	4	MATH 3330		Differential Equations	3
MATH 3340		Probability Modeling	3	MATH 3345		Statistical Inference	3
MATH 3180		Seminar in Mathematics I	1	GOVT 2301		Political Science	3
CSCI 1302	CSC 102	Computer Science	3	Add. Sci. ⁵	Add. Sci. ⁵	Additional Science	4
Core Options ⁶	Core Options ⁶	SPCH	3	JTCH 3311		Classroom Interactions	3
JTCH 3301		Knowing and Learning in Math and Science	3				Hours
			Hours				16
			17				16

Junior Year

Fall Semester				Spring Semester			
SFA Course Number	SFA Course Number	Description	Credit	SFA Course Number	SFA Course Number	Description	Credit
MATH 3360		Intro. to Modern Mathematics	3	MATH 3365		Linear Algebra	3
Add. Sci. ⁵	Add. Sci. ⁵	Additional Science	4	MATH 3370		College Geometry	3
GOVT 2302		Political Science	3	JTCH 4351		Research Methods	3
JTCH 3351		Functions and Modeling	3	Core Options ¹	Core Options ¹	ARTS/DANC/DRAM/MUMH/MUSI	3
JTCH 3361		Perspectives on Science and Mathematics	3	Core Options ²	Core Options ²	ANTH/ECON/GEOG/PSYC/SOCI	3
			Hours				Hours
			16				15

Senior Year

Fall Semester				Spring Semester			
SFA Course Number	SFA Course Number	Description	Credit	SFA Course Number	SFA Course Number	Description	Credit
MATH 4330		Introduction to Analysis I	3	MATH 4335		Introduction to Analysis II	3
MATH 4320		Introduction to Algebraic Systems	3	JTCH 4701		Apprentice Teaching	7
MATH 4180		Seminar in Mathematics II	1				Hours
Core Options ³	Core Options ³	ENGL/HIST/PHIL	3				10
Core Options ⁴	Core Options ⁴	BUSI/ENGL/FREN/GERM/PORT/SGNL/SPAN	3				16
JTCH 4301		Project Based Instruction	3				10
			Hours				10
			16				10

(1) Core options include ARTS 1301, 1303, 1304; DANC 2303; DRAM 1310, 2366; MUMH 1307; MUSI 1306

(2) Core options include ANTH 2351; ECON 2301, 2302; GEOG 1303; PSYC 2301; SOCI 1301

(3) Core options include ENGL 2335, 2309, 2322, 2323, 2327, 2328, 2332, 2333, 2341; HIST 2311, 2312, 2321, 2322; PHIL 1301, 2306

(4) Core options include BUSI 2304; ENGL 2311; FREN 1311, 1312; GERM 1311, 1312; PORT 1311, 1312; SGNL 1301, 1302; SPAN 1311, 1312

(5) Additional Sciences include ASTR 1303; BIOL 1311, 1313, 2301, 2381, 2402; CHEM 1311, 1312; GEOL 1303, 1304; PHYS 1301, 1302, 2325, 2326

(6) Core options include SPCH 1315, 1318, 2333 (COM 111, 170, 215)

Note: Students will be required to repeat pre-requisite courses when the grade is below a C. A minimum of 42 semester hours of work must be completed at SFA, of which at least 36 hours must be advanced. A maximum of 66 academic hours plus 4 hours of kinesiology activity from junior/community colleges may apply towards a bachelor's degree. Contact your SFA advisor for alternative courses to the core courses listed.