



Science and Mathematics Education

Bachelor of Arts, STEM Teaching Program

Four-Year Academic Road Map

Secondary Math + STEM Teaching Program

Sample only—your academic advisor will help you create a plan that is right for you.
Upper-division electives will be selected in consultation with your faculty mentor.

YEAR 1	Fall Quarter		Winter Quarter		Spring Quarter		
	UNIV 101	Transition to CWU	MATH 153	Precalculus I	MATH 154	Precalculus II	
	MATH 152*	Functions and Reasoning	K1: Academic Writing II	(ex. ENG 102)	K4: Global Dynamics	(ex. RELS 103)	
	Academic Writing I	(ex. ENG 101)	K3: Creative Expression	(ex. MUS 103)	K5: Humanities	(ex. HIST 102)	
	K2: Community Culture and Citizenship	(ex. LAJ 102)					
Total Quarter Credits		16	Total Quarter Credits		15	Total Quarter Credits	15

YEAR 2	Fall Quarter		Winter Quarter		Spring Quarter		
	MATH 172	Calculus I	MATH 173	Calculus II	MATH 272	Multivariable Calculus I	
	MATH 211	Statistical Concepts and Methods	STP 201	Inquiry Approaches to Teaching	STP 202	Inquiry Based Lesson Design	
	K7: Physical and Natural World	(ex. PHYS 101)	K8: Science and Technology	(ex. ENST 202)	MATH 265	Linear Algebra	
			MATH 300	The Habits of Mind of Mathematical Thinkers	General elective		
Total Quarter Credits		15	Total Quarter Credits		15	Total Quarter Credits	15

YEAR 3	Fall Quarter		Winter Quarter		Spring Quarter		
	MATH 376	Multivariable Calculus II	STP 308	Perspectives on Science, Math, and STEM Education	STP 304	Classroom Interactions 1	
	STP 303	Knowing and Learning	MATH 355	College Geometry I	STP 307B	Integrated STEM Teaching through Modeling-Based Inquiry	
	MATH 260	Sets and Logic	General elective		MATH 455	College Geometry II	
	General elective				MATH 430	Introduction to the Theory of Numbers	
Total Quarter Credits		16	Total Quarter Credits		15	Total Quarter Credits	13

YEAR 4	Fall Quarter		Winter Quarter		Spring Quarter		
	STP 405	Classroom Interactions 2	STP 406	Project-Based Instruction	EFC 480	Student Teaching	
	MATH 468	Mathematics BA Capstone	STP 450	Planning Inquiry Based STEM Instruction	STP 465	Instructing and Assessing Inquiry Based STEM Education	
	MATH 332	Discrete Models	MATH 406	Algebra for Teachers			
	MATH 360	Algebraic Structures	STP 309	Research Methods			
Total Quarter Credits		15	Total Quarter Credits		12	Total Quarter Credits	

Total Credits **180**

*Assumes appropriate Math placement. If your placement suggests a different starting point your advisor will design a plan that fits your needs and helps you build a strong foundation for success.

Other programs to consider: Bilingual Education Dual Language minor, Child Development minor, Psychology minor

Department Webpage	CWU Degree Requirements	CWU Course Catalog
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