



Science and Mathematics Education

Bachelor of Arts, STEM Teaching Program

Four-Year Academic Road Map

Middle Level Mathematics + 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.

	Fall Quarter	Winter Quarter	Spring Quarter
YEAR 1	UNIV 101 Transition to CWU	MATH 153 Precalculus I	MATH 164 Foundations of Arithmetic
	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	MATH 226 Math for Teachers: Geometry and Measurement	MATH 170 Intuitive Calculus	MATH 130 Finite Mathematics
	MATH 211 Statistical Concepts and Methods	STP 201 Inquiry Approaches to Teaching	STP 202 Inquiry Based Lesson Design
	K7: Phys and Natural World (ex. PHYS 101)	K8: Science and Technology (ex. ENST 202)	General elective
		General elective	General elective
	Total Quarter Credits 14	Total Quarter Credits 16	Total Quarter Credits 16
YEAR 3	STP 303 Knowing and Learning	STP 308 Perspectives on Science, Math, and STEM Education	STP 304 Classroom Interactions 1
	General elective	General elective	STP 307A Functions and Modeling for STEM Teaching
	General elective	General elective	MATH 456 Geometry for Teachers
			MATH 316 Mathematics for Teachers: Proportional Reasoning and Algebra
	Total Quarter Credits 14	Total Quarter Credits 14	Total Quarter Credits 15
YEAR 4	STP 405 Classroom Interactions 2	STP 406 Project-Based Instruction	EFC 480 Student Teaching
	MATH 467 Middle-Level Mathematics Capstone	STP 450 Planning Inquiry Based Instruction	STP 465 Instructing and Assessing Inquiry Based STEM Education
	MATH 332 Discrete Models	MATH 406 Algebra for Teachers	
	MATH 405 Probability and Statistics for Teachers	STP 309 Research Methods	
	Total Quarter Credits 15	Total Quarter Credits 12	Total Quarter Credits 18
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: Middle Level Science major, Sport Coaching minor, Psychology minor, Child Development minor

Department Webpage



CWU Degree Requirements



CWU Course Catalog

