

# BACHELOR OF ARTS MATHEMATICS: SECONDARY EDUCATION FOUR-YEAR ACADEMIC ROADMAP

Students should meet with their academic advisor to formulate an individualized plan. Students with more than one program should communicate with their advisor prior to enrollment. Select upper-division major electives in consultation with a Mathematics 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: Phys and Natural World. (ex. PHYS 101)		K8: Science & 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	Differential Equations I	STP 308	Perspectives on Science, Math, and STEM Ed	STP 304	Classroom Interactions 1
	STP 303	Knowing and Learning	MATH 355	College Geometry I	STP 307B	Integrated STEM Teaching Modeling-Based Inquiry
	MATH 260	Sets and Logic	General elective		MATH 455	College Geometry II
	General elective				MATH 430	Intro. Number Theory
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 Ed.
	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	18	
<b>Total Credits: 180</b>						

\*This roadmap assumes placement into MATH 152. Your advisor will help you create a suitable first-year Math sequence to set you up for success for a different initial placement.

**Suggested second programs:** STEM Teaching major, minor to support dual endorsement (e.g., Middle Level Mathematics, Physics, Chemistry, Geology, Biology), or minor to diversify skillset for classroom teaching (e.g., Special Education, Teaching English Language Learners)

Department Webpage



CWU Course Catalog



General Education

