

DEPARTMENT OF MATHEMATICS

BACHELOR OF SCIENCE ACTUARIAL SCIENCE

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 your departmental faculty mentor.

YEAR 1	Fall Quarter		Winter Quarter		Spring Quarter			
	UNIV 101	Transition to CWU	K1: Academic Writing II (ex. ENG 102)		K4: Global Dynamics (ex. RELS 103)			
	SOC 107	Principles of Sociology	K2: Comm, Culture, Citizenship (ex. LAJ 102)		K5: Humanities (ex. HIST 102)			
	Academic Writing I (ex. ENG 101)		MATH 153	PreCalculus I	MATH 154 PreCalculus II			
	MATH 152*	Functions and Reasoning						
Total Quarter Credits		16	Total Quarter Credits		15	Total Quarter Credits		15

YEAR 2	Fall Quarter		Winter Quarter		Spring Quarter			
	K8: Science & Technology (ex. ENST202)		K3: Creative Expression (ex. MUS103)		K7: Phys and Nat World (ex. PHYS101)			
	MATH 172	Calculus I	MATH 173	Calculus II	MATH 272	Multivariable Calculus I		
	General Elective		MATH 211	Stat. Concepts & Methods	MATH 265	Linear Algebra I		
	ACCT 301	Acc. Skills for Non-Acc.	General Elective					
Total Quarter Credits		18	Total Quarter Credits		15	Total Quarter Credits		15

YEAR 3	Fall Quarter		Winter Quarter		Spring Quarter			
	MATH 411A	Probability Theory	MATH 411B	Mathematical Stat. II	MATH 411C	Mathematical Stat. II		
	MATH 418A	Financial Mathematics I	MATH 418B	Financial Mathematics II	MATH 416B	Act. Sci. Problems III		
	MATH 299A	Sem. Act. Sci. Maj. Orient.	MATH 416A	Act. Sci. Problems II	MATH 309	Mathematical Computing		
	MATH 273	Multivariable Calculus II	ECON 201	Princ. of Econ. Micro	ECON 202	Princ. of Econ. Macro		
Total Quarter Credits		15	Total Quarter Credits		13	Total Quarter Credits		15

YEAR 4	Fall Quarter		Winter Quarter		Spring Quarter			
	MATH 410A	Adv. Stats. Methods I	MATH 410B	Adv. Stat. Methods II	MATH 410C	Adv. Stat. Methods III		
	MATH 417A**	Short Term Act. Math I	MATH 417B	Short Term Act. Math II	MATH 417C	Short Term Act. Math III		
	FIN 370	Corporate Finance	FIN 475	Investment	MATH 489A	Senior Seminar		
			Elective		Elective			
Total Quarter Credits		13	Total Quarter Credits		17	Total Quarter Credits		13
							Total Credits: 180	

***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. **MATH 417 (A/B/C) and MATH 419 (A/B/C) are offered in alternating years with only one sequence available each year. Your advisor will help you select the appropriate sequence.**

Suggested Second Programs: Economics, Business, Computer Science, Applied Mathematics

Department Webpage



CWU Course Catalog



General Education

