

**UC Santa Cruz Three Year Pathway: APPLIED MATHEMATICS B.S.  
2024-2025 Catalog Requirements**

Three year pathways are most appropriate for students who plan a single major, who have satisfied the Entry-Level Writing Requirement before their first quarter, and who are committed to enrolling in Summer Session. Courses listed as “Any X credit class” may be decreased based on AP or other transfer credit.

This is a sample plan. Work with your major advisor to devise a plan that takes into account your transfer credit, interests, and career goals.

<b>Fall, year 1</b>	<b>Winter, year 1</b>	<b>Spring, year 1</b>	<b>Summer, year 1</b>
College Core Course	MATH 19B*	AM 20*	IM General Education Class
MATH 19A (MF GE)*	AM 10*	Lower Division Elective 1**	Writing 2 (C GE)
CSE 20*	PE General Education Class	AM 30	Any 5 credit class
		STEV 26: Navigating Univ.	
Total credits for quarter: 15	Total credits for quarter: 15	Total credits for quarter: 17	Total credits for quarter: 15
<b>Fall, year 2</b>	<b>Winter, year 2</b>	<b>Spring, year 2</b>	<b>Summer, year 2</b>
AM 100	AM 147*	STAT 131 (SR GE)	CC General Education Class
Lower Division Elective 2**	AM 112	Upper Division Elective 1**	Any 5 credit class
CSE 16 or MATH 100***	ER General Education Class	TA General Education Class	Any 5 credit class
		PR General Education Class (2 credits)	
Total credits for quarter: 15	Total credits for quarter: 15	Total credits for quarter: 17	Total credits for quarter: 15
<b>Fall, year 3</b>	<b>Winter, year 3</b>	<b>Spring, year 3</b>	<b>Summer, year 3</b>
AM 114*	AM 170A (DC GE)	AM 170B (SI GE)	Any 5 credit class
AM 129	Upper Division Elective 2**	Upper Division Elective 3**	Any 5 credit class
Any 5 credit class	Any 5 credit class	Any 5 credit class	
Total credits for quarter: 15	Total credits for quarter: 15	Total credits for quarter: 15	Total credits for quarter: 10
			Total credits in plan: 180****

\*Several courses in this plan carry the MF GE designation.

\*\* Note that many of the electives have prerequisites or corequisites. This requires students to plan carefully to ensure they are prepared to enroll in the electives that are the best fit for their career or future choice of graduate school.

\*\*\*MATH 100 is recommended for students planning to take Upper Division electives from the Mathematics Department.

\*\*\*\*Total credit count includes the 1-unit Orientation Course taken the summer before the start of year 1

The following general education requirements will be satisfied with required courses in the applied mathematics major: MF, SI, SR, DC.