STEM
Academic & Career Pathways

Major in Math
Local
DEGREE MAP

Why Major in Math?
With a math degree, your choices of a career are almost endless, ranging from actuary to educator to data analyst to engineer. For more information, visit the Math webpage.

How do I use this Degree Map?
This degree map is meant to provide you with course recommendations from the Math Department, as well as ideas for how you can structure your class schedule each semester. To earn an Associate in Arts Degree for Transfer, a minimum of 60 transferable semester units of college work is required. This includes general education courses as well as the courses in your major. GE Area course options are available on the College's GE Courses webpage and in the College's catalog under Degree Requirements. Click on the blue underlined links for more information on courses and resources.

Meet with a Counselor
We strongly recommend you schedule a meeting with a counselor and create a personalized, comprehensive education plan. If you are a student in CalWORKs, DSPS, EOPS, Pathway Academy, UMOJA, a Veteran etc., you should use the education plan you created with your counselor.

Semester 1		
Major/GE Area/Elective	Course Number & Name	Units
Major & Area A2	Math 180 (Analytic Geometry and Calculus I) (Area A2 in GE)	5
Area A1 (Language & Rationality)	Choose one of the options from A1	3
Area D (Social & Behavioral Sciences)	Choose one of the options from D	3
Exercise Science	Choose one of the options from Exercise Science	1
	Total Units: 12 units	

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Semester 2		
Major/GE Area/Elective	Course Number & Name	Units
Major	Math 280 (Analytic Geometry & Calculus II)	4
Area C (Humanities)	Choose one of the options from C	3
Cultural Diversity	Choose one of the options from cultural diversity	3
Area B (Natural Sciences)	Choose one of the options from B	4-5
Exercise Science	Choose one of the options from Exercise Science	1
	Total Units: 15-16 units	

Summer		
Major/GE Area/Elective	Course Number	Units
Area B, C, or D	Choose one of the options from B, C, or D	3
	Total 3 Units:	

Semester 3		
Area/Elective	Course Number	Units
Major	Math 281 (Multivariable Calculus)	4
Major	Math 160 (Statistics) or Math 245 (Discrete Math) or PHYC 201 (Mechanics & Waves) or CS 181 (Intro to C++ Programming)	3-5
Area B, C, or D (must be from a different GE area)	Choose one of the options from B, C, or D	3
Elective	Choose any course to achieve 60 total units	3-5
	Total Units: 13-17 units	

Semester 4		
Major/GE Area/Elective	Course Number	Units
Major	Math 284 (Linear Algebra) or Math 285 (Differential Equations)	3
Elective	Choose any course to achieve 60 total units	3-5
Elective	Choose any course to achieve 60 total units	3-5
Elective	Choose any course to achieve 60 total units	3-5
	Total Units: 12-18 units	

Please consult with a counselor to develop your personalized, comprehensive education plan

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