STEM

Academic & Career Pathways

Associate Degree for Transfer

Major in Math
CSU
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 IGETC 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 B4	Math 180 (Analytic Geometry and Calculus I)	5
Area A1 (Oral Communication)	COMM 120, 122, or 130	3
Area C1 (Arts)	Choose one of the options from C1	3
Area E (Lifelong Learning & Self Development)	Choose one of the options from E	3
		Total Units: 14

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

CUYAMACA COLLEGE

Semester 2		
Major/GE Area/Elective	Course Number & Name	Units
Major	Math 280 (Analytic Geometry & Calculus II)	4
Area B1 & B3 (Physical Sciences)	Choose one of the options from B1 (being sure to include a class with a lab to satisfy B3 - choosing PHYC 201 will also meet a major class)	3-5
Area D (Social Sciences)	Choose one of the options from D	3
Area A2 (Written Communication)	English 120	3
		Total Units: 13-15

Summer		
Major/GE Area/Elective	Course Number	Units
US History, Constitution, & American Ideals	Choose one of the options (pick a course from List A in Option I or Option II)	3
		Total 3 Units:

Semester 3		
Major/GE Area/Elective	Course Number & Name	Units
Major	Math 281 (Multivariable Calculus)	4
Major OR Area D (Social Sciences)	Math 160 (Statistics) or Math 245 (Discrete Math) or PHYC 201 (Mechanics & Waves) or CS 181 (Intro to C++ Programming) OR Choose one of the options from D (ensure it is a different discipline as previous class)	3-5
Area B2 (Life Sciences)	Choose one of the options from B2	3
US History, Constitution, & American Ideals	Choose one of the options (pick a course from List B - be sure it is in the same option chosen in summer)	3
		Total Units: 13-15

Intersession		
Major/GE Area/Elective	Course Number	Units
Area A3 (Critical Thinking)	Choose one of the options from A3	3
		Total Units: 3

Semester 4		
Major/GE Area/Elective	Course Number	Units
Major	Math 284 (Linear Algebra) or Math 285 (Differential Equations)	3
Area C2 (Humanities)	Choose one of the options from C2	3
Area C1 (Arts) or C2 (Humanities)	Choose one of the options from C1 or C2	3
Area D	Choose one of the options from D	3
		Total Units: 12s