



STEM

Academic & Career Pathways

Major in Math IGETC 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 2	Math 180 (Analytic Geometry and Calculus I)	5
Area 1C (Oral Communication)	COMM 120, 122, or 130	3
Area 3A (Fine Arts)	Choose one of the options from 3A	3
Area 4 (Social and Behavioral Sciences)	Choose one of the options from 4	3
Total Units: 14		

Semester 2		
Major/GE Area/Elective	Course Number & Name	Units
Major	Math 280 (Analytic Geometry & Calculus II)	4
Area 5A & 5C (Physical Sciences)	Choose one of the options from 5A (being sure to include a class with a lab - choosing PHYC 201 will also meet a major class)	3-5
Area 4 (Social and Behavioral Sciences)	Choose one of the options from 4 (ensure it is a different discipline as previous class)	3
Area 1A (English Communication)	English 120	3
Total Units: 13-15		

Summer		
Major/GE Area/Elective	Course Number	Units
Elective	Choose any course to have 60 units total	3
Total Units: 3		

Semester 3		
Area/Elective	Course Number	Units
Major	Math 281 (Multivariable Calculus)	4
Major OR Area 3B (Humanities)	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 3B	3-5
Area 5B (Biological Sciences)	Choose one of the options from 5B (if no lab with class from Area 5A, this must have a lab)	3
Area 1B (Critical Thinking)	English 124	3
Total Units: 13-15		

Intersession		
Major/GE Area/Elective	Course Number	Units
Elective	Choose any course to have 60 units total	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 3A (Fine Arts) or 3B (Humanities)	Choose one of the options from 3A or 3B	3
Area 6 (Language other than English)	Choose one of the options from 6	3-5
Area 4 (Social and Behavioral Sciences)	Choose one of the options from 4 (ensure it is a different discipline as previous class)	3
Total Units: 12-14		

