

APPLIED MATHEMATICS MINOR

Natural Sciences, Mathematics, and Engineering (nsme) (<https://catalog.csub.edu/general-information/csub-information/school-natural-sciences-mathematics-engineering/>)

Mathematics Department

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Department Webpage (<http://www.csub.edu/math/>)

Program Maps for Natural Sciences, Mathematics, and Engineering (<https://programmap.csub.edu/academics/interest-clusters/4e942a6e-b8e4-4b60-a1ae-334235acc581/>)

For majors in the sciences, a minor in Applied Mathematics is available, consisting of a minimum of 15 units, of which at least 8 units must be upper division. Lower division courses that may count are MATH 2020, 2320, 2520, 2533, 2540, and 2610. Upper division courses may include MATH 3200, 3300, 3500, and 4500. Only one of these courses can also be counted towards the student's major. A minimum of 8 upper division units must be completed at California State University, Bakersfield.

Code	Title	Units
<i>Minor Requirement</i> ¹		
Complete 15 units, at least 8 units of which must be upper division courses		15
<i>Lower Division</i>		
MATH 2020	Calculus for Biological & Chemical Sciences II	
MATH 2320	Single Variable Calculus II for Engineers	
MATH 2520	Single Variable Calculus II	
MATH 2533	Multivariable and Vector Calculus	
MATH 2540	Ordinary Differential Equations	
MATH 2610	Linear Algebra I	
<i>Upper Division</i>		
MATH 3200	Probability Theory	
MATH 3300	Numerical Analysis	
MATH 3500	Complex Variables	
MATH 4500	Partial Differential Equations	
Total Units		15

¹ Only one of these courses can also be counted towards the student's major.