

# MATHEMATICS TEACHING CREDENTIAL

## Requirements

The Mathematics program that is outlined below incorporates content specific courses to meet the California Teaching Credential Mathematics subject matter.

Code	Title	Units
<b>Mathematics Major Requirements</b>		
Lower Division:		
MATH-180C	Calculus I	4
MATH-181C	Calculus II	4
MATH-281	Multivariable Calculus	4
MATH-285	Introduction to Advanced Mathematics	3
Upper Division:		
ENGR-307	Computational Problem Solving	4
MATH-300	Linear Algebra	3
MATH-310	Differential Equations	3
MATH-365	Probability and Statistics	3
MATH-380	Elementary Analysis I	3
MATH-390	Numerical Analysis	3
MATH-499C	Mathematics Capstone	2
Mathematics Electives:		
Required courses for completion of the single subject matter program.		
MATH-315	Teaching/Tutoring	3
MATH-330	Number Theory	3
MATH-410	Abstract Algebra	3
MATH-420	Higher Geometry	3
Non-Mathematics Requirements:		
PHIL-201	Introduction to Philosophy	3
PSCI-223C & 223CL	Mechanics of Solids and Fluids and Mechanics of Solids and Fluids Lab	4
PSCI-225 & 225L	Electricity and Magnetism and Electricity and Magnetism Lab	4
Additional Courses Required For Credentialing:		6
ANTH/ ENGL-453	Language,Culture/Linguistics	
POLS-155C	American Democracy	
<b>Total Units</b>		<b>65</b>

