CALIFORNIA STATE UNIVERSITY
LONG BEACH
College of Education

SINGLE SUBJECT CREDENTIAL PROGRAM

Mathematics
Subject Matter Domain Coursework

There are a total of five subject matter domains for Mathematics. Domain 1: Number and Quantity; Domain 2: Algebra; Domain 3: Geometry; Domain 4: Probability and Statistics; Domain 5: Calculus.
Candidates seeking the Foundational-Level Mathematics Credential need to satisfy coursework requirements listed below for Domains 1-4 and candidates for the full Mathematics credential need to satisfy coursework requirements for Domains 1-5.

Domains of the Subject Matter Requirements		Required Courses	Completed Courses
CSET 1	**Domain 1: Number and Quantity** 1.1 The Real & Complex Number Systems 1.2 Number Theory **Domain 2: Algebra** 2.1 Algebraic Structures 2.2 Polynomial Equations & Inequalities 2.3 Functions 2.4 Linear Algebra	MATH 113: Precalculus Algebra (may be validated by Calculus) MATH 247: Linear Algebra MATH 341: Number Theory MATH 444 or 445: Abstract Algebra	
CSET 2	**Domain 3: Geometry** 3.1 Plane Euclidean Geometry 3.2 Coordinate Geometry 3.3 Three-Dimensional Geometry 3.4 Transformational Geometry	MATH 355: College Geometry or MTED 312: Geometry & Measurement	
	Domain 4: Probability and Statistics 4.1 Probability 4.2 Statistics	MATH 380: Probability & Statistics and STAT 108 or STAT 381: Statistics	
CSET 3	**Domain 5: Calculus** 5.1 Trigonometry 5.2 Limits & Continuity 5.3 Derivatives & Applications 5.5 Sequences & Series	MATH 111: Trigonometry MATH 122: Calculus I MATH 123: Calculus II	