

Student Name: Example Student Student ID: 000000 Program: MALT Single Subject Credential: Mathematics	Office of Licensures and Credentialing Only Date Reviewed: 5/1/2023
--	---

Commented [ON1]: The student will fill in this section.

Mathematics

CSET Subtest Number	Domain	Description			
I	1. Number and Quantity	Candidates demonstrate an understanding of number theory and a command of number sense as outlined in California Common Core Content Standards for Mathematics (Grade 6, Grade 7, Grade 8, and High School). Candidates demonstrate a depth and breadth of conceptual knowledge to ensure a rigorous view of number systems and its underlying structures. They prove and use properties of natural numbers. They formulate conjectures about the natural numbers using inductive reasoning and verify conjectures with proofs.			
Course Alpha(s) & Number(s)	Course Titles(s)	Institutions(s)	Catalog Link(s)	Final Grade(s)	Meets Domain (OSS only)
MAT 11	College Level Algebra	Riverside Community College	https://www.rcc.edu/catalog/2021-2022/g_courses/index.html	B	Yes
Course Description(s): MAT-11 This course is intended for students majoring in Liberal Arts and Humanities. The topics covered in this course develop the understanding and use of real-world applications of polynomial, radical, rational, absolute value, exponential and logarithmic functions; systems of equations; polynomial equations; permutations and combinations; analytic geometry; and linear programming.					No
I	2. Algebra	Candidates demonstrate an understanding of the foundations of algebra as outlined in the California Common Core Content Standards for Mathematics (Grade 7, Grade 8, and High School). Candidates demonstrate a depth and breadth of conceptual knowledge to ensure a rigorous view of algebra and its underlying structures. They are skilled at symbolic reasoning and use algebraic skills and concepts to model a variety of problem-solving situations. They understand the power of mathematical abstraction and symbolism.			
Course Alpha(s) & Number(s)	Course Titles(s)	Institutions(s)	Catalog Link(s)	Final Grade(s)	Meets Domain (OSS only)

Commented [ON2]: Courses must be completed at an accredited higher institution. This can include community colleges.

Commented [ON3]: Must include the link to the institution's catalog from the year the course was taken. In this example, the course was taken in Fall 2021 so the 2021-2022 catalog link is provided.

Commented [ON4]: The student will copy and paste the course description from the institutions catalog, from the year they took the course, into this Course Description box. More than one course description can be pasted in this box.

MAT 11	College Level Algebra	Riverside Community College	https://www.rcc.edu/catalog/2021-2022/g_courses/index.html	B	
Course Description(s):					Yes
MAT-11 This course is intended for students majoring in Liberal Arts and Humanities. The topics covered in this course develop the understanding and use of real-world applications of polynomial, radical, rational, absolute value, exponential and logarithmic functions; systems of equations; polynomial equations; permutations and combinations; analytic geometry; and linear programming.					No
II	3. Geometry	Candidates demonstrate an understanding of the foundations of geometry as outlined in the California Common Core Content Standards for Mathematics (Grade 7, Grade 8, and High School). Candidates demonstrate a depth and breadth of conceptual knowledge to ensure a rigorous view of geometry and its underlying structures. They demonstrate an understanding of axiomatic systems and different forms of logical arguments. Candidates understand, apply, and prove theorems relating to a variety of Domains of the Subject Matter Requirements 13 topics in two- and three-dimensional geometry, including coordinate, synthetic, non-Euclidean, and transformational geometry.			
Course Alpha(s) & Number(s)	Course Titles(s)	Institutions(s)	Catalog Link(s)	Final Grade(s)	Meets Domain (OSS only)
MATH 121A	Differential Geometry	University of California, Santa Cruz	https://registrar.ucsc.edu/catalog/2021-22-general-catalog-pdf.pdf	B	
MATH 121B	Differential Geometry and Topology			C	
Course Description(s):					Yes
MATH 121A Topics include Euclidean space, tangent vectors, directional derivatives, curves and differential forms in space, mappings. Curves, the Frenet formulas, covariant derivatives, frame fields, the structural equations. The classification of space curves up to rigid motions. Vector fields and differentiable forms on surfaces; the shape operator. Gaussian and mean curvature. The theorem Egregium; global classification of surfaces in three space by curvature.					No
MATH 121B Examples of surfaces of constant curvature, surfaces of revolutions, minimal surfaces. Abstract manifolds; integration theory; Riemannian manifolds. Total curvature and geodesics; the Euler characteristic, the Gauss-Bonnet theorem. Length-minimizing properties of geodesics, complete surfaces, curvature and conjugate points covering surfaces. Surfaces of constant curvature; the theorems of Bonnet and Hadamard					
II	4. Probability and Statistics	Candidates demonstrate an understanding of statistics and probability distributions as outlined in the California Common Core Content Standards for Mathematics (Grade 7, Grade 8, and High School). Candidates demonstrate a depth and breadth of conceptual knowledge to ensure a rigorous view of probability and statistics and their underlying structures. They solve problems and make inferences using statistics and probability distributions.			

Commented [ON5]: A single course can be used in more than one domain. In this example, MATH 11 is being used to satisfy Domain 1 and 2.

Commented [ON6]: Grade must be a C- or higher. The Office of Licensures and Credentialing (OLC) will verify grade with transcripts on file.

The student may need to send official transcripts to the OLC (olc@redlands.edu) if the university does not have a copy.

Commented [ON7]: Multiple classes can be used to satisfy a domain. If one class does not appear to cover the entire domain, consider if other classes covered the missing domain topics.

Course Alpha(s) & Number(s)	Course Titles(s)	Institutions(s)	Catalog Link(s)	Final Grade(s)	Meets Domain (OSS only)
MAT 12	Statistics	Riverside Community College	https://www.rcc.edu/catalog/2021-2022/g_courses/index.html#0	D+	Yes No
Course Description(s): MAT-12 A comprehensive study of measures of central tendency and variation, correlation and linear regression, probability, the normal distribution, the t-distribution, the chi-square distribution, estimation, testing of hypotheses, analysis of variance, and the application of statistical software to data, including the interpretation of the relevance of the statistical findings. Applications using data from business, education, health science, life science, psychology, and the social sciences will be included.					
III	5. Calculus	Candidates demonstrate an understanding of trigonometry and calculus as outlined in the California Common Core Content Standards for Mathematics (High School). Candidates demonstrate a depth and breadth of conceptual knowledge to ensure a rigorous view of trigonometry and calculus and their underlying structures. They apply the concepts of trigonometry and calculus to solving problems in real-world situations.			
Course Alpha(s) & Number(s)	Course Titles(s)	Institutions(s)	Catalog Link(s)	Final Grade(s)	Meets Domain (OSS only)
MATH 3	Precalculus	University of California, Santa Cruz	https://registrar.ucsc.edu/catalog/2021-22-general-catalog-pdf.pdf	B	Yes No
MATH 11A	Calculus with Applications			C-	
Course Description(s): MATH 3 Inverse functions and graphs; exponential and logarithmic functions, their graphs, and use in mathematical models of the real world; rates of change; trigonometry, trigonometric functions, and their graphs; and geometric series. MATH 11A A modern course stressing conceptual understanding, relevance, and problem solving. The derivative of polynomial, exponential, and trigonometric functions of a single variable is developed and applied to a wide range of problems involving graphing, approximation, and optimization.					
OSS Only: Subtest I met through coursework: Yes No Subtest II met through coursework: Yes No Subtest III met through coursework: Yes No					
OSS Notes: Subtest II is not met through coursework because they do not meet Domain 4. The student should review their transcript(s) to see if any other course may meet Domain 4. They can consider taking a course to meet Domain 4 or complete CSET Subtest II.					

Commented [ON8]: In this example, the student earned a D+ for their Statistic course. The grade must be a C- or higher so Domain 4 is not satisfied. Domain 3 and 4 must both be satisfied to meet the requirements for CSET Subtest II. Because Domain 4 is not satisfied, the candidate does not meet coursework for Subtest II.

Commented [ON9]: The course title and course description should clearly show how it meets the course domain and aligns to the topics described by CTC. In this example, phrases are highlighted to show how the course meets the domain.

If the title/course description do not make it explicitly clear, the student can provide additional documentation such as the course syllabi and/or assignments.

