| Student Name:  Student ID:   Program:  Credential: | **OSS Only**  Credential Analyst:  Date Reviewed: |
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**Mathematics: Foundational Level**

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| **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's 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 their 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)** |
|  |  | |  | | |  |  | | Yes  No |
| **Course Description(s):** | | | | | | | | |
| **I** | **2. Algebra** | Candidates demonstrate an understanding of the foundations of algebra as outlined in 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)** |
|  |  | |  | |  | | |  | Yes  No |
| **Course Description(s):** | | | | | | | | |
| **II** | **3. Geometry** | Candidates demonstrate an understanding of the foundations of geometry outlined in 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 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)** |
|  |  | | |  | |  | |  | Yes  No |
| **Course Description(s):** | | | | | | | | |
| **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. | | | | | | | |
| **Course Alpha(s) & Number(s)** | **Course Titles(s)** | | | **Institutions(s)** | | **Catalog Link(s)** | | **Final Grade(s)** | **Meets Domain (OSS only)** |
|  |  | | |  | |  | |  | Yes  No |
| **Course Description(s):** | | | | | | | | |

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| **OSS Only:**  Subtest I met through coursework: Yes   No  Subtest II met through coursework: Yes   No |
| **OSS Notes:** |