

Subject Matter Guidance – Mathematics

All credential candidates must demonstrate their proficiency in the subject matter area of their intended credential. The CTC separates the required subject matter content into subtests, with each subtest covering specific domains (areas of knowledge). The following list summarizes all options available to meet the Subject Matter Requirement (SMR) for candidates interested in a Mathematics or Foundational Level Mathematics Credential:

- **Academic Major** in the subject area: the only degree majors currently approved to meet this requirement are a **Mathematics or Applied Mathematics** degree.
- **Subject Matter Waiver**: earning an approved waiver in Mathematics based on classes taken as an undergraduate.
- **Coursework**: completion of coursework addressing *all of the domains* listed for that CSET subtest.
 - a. Courses must be degree applicable and non-remedial
 - b. *A grade of a C- or better is required*
 - c. Each subtest is independent of the other subtests (i.e., you might have coursework to clear subtest I but not subtest II).
- **California Subject Examinations for Teachers (CSET)**: passing all required subtests for Mathematics
 - a. Subtest I – test code 211
 - b. Subtest II – test code 212
 - c. Subtest III – test code 213

Note: For Foundational Level Mathematics credential, Subtests I and II apply. For full Mathematics credential, Subtests I, II, and III apply.

- **Combination of coursework and CSET examination(s)**: some combination of coursework and examinations to meet the content for all required subtests.
 1. Review the coursework options for any subtests where you have not met SMR by using the Mathematics by Coursework worksheet. You must have taken a class in each and every domain listed for that subtest.
 - a. If yes, you have a course for every domain for that subtest, you may upload a copy of this form to your online application. Please note that an official review will not be conducted until after an applicant is admitted AND submits their intent to register into the program. Additional documentation may be requested and/or required.
 - b. If no, you have NOT taken a class in every domain listed for that subtest, you will need to pass the CSET exam for that subtest to meet SMR.

MATHEMATICS – By Coursework

| SUBTEST I – Number and Quantity + Algebra | | | |
|---|--------------------|--|------------------------|
| Domains | Course # and Title | Course Description with link to course catalog | Grade & Term completed |
| 1. Number and Quantity | | | |

| | | | |
|----------------------------|--|--|--|
| 2. Algebra | | | |
|----------------------------|--|--|--|

SUBTEST II – Geometry + Probability and Statistics

| Domains | Course # and Title | Course Description with link to course catalog | Grade & Term completed |
|---|--------------------|--|------------------------|
| 1. Geometry | | | |
| 2. Probability and Statistics | | | |

Subtests I and II alone qualify you for Foundational Level Mathematics

Subtest III is only required if your goal is to receive the full Mathematics Credential

SUBTEST III - Calculus

| Domains | Course # and Title | Course Description with link to course catalog | Grade & Term completed |
|-----------------------------|--------------------|--|------------------------|
| 1. Calculus | | | |

If you need clarification as to what content/elements are in each of these domains, you may review the list of elements on the CTC website [here](#). See page 2 for the index.

Important note:

This evaluation is based on the CTC regulatory guidelines currently in effect. Should the CTC regulatory guidelines change prior to your being recommended for your Preliminary Credential, you would need to meet the new guidelines.