

Subject Matter Guidance – Mathematics Pathway

All credential candidates must demonstrate their proficiency in the subject matter area of their intended credential. Each subject matter area includes required domains, which correspond to the CSET subtests for that subject. 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:

- **Degree Major** in the subject area: the only degree majors currently approved to meet this requirement are a **Mathematics or Applied Mathematics** degree.
- **Subject Matter Program**: completing an approved subject matter preparation program in Mathematics as an undergraduate and providing a signed completion letter from the program.
- **Coursework**: completion of coursework addressing ***all of the domains*** corresponding to each CSET subtest.
 - a. Courses must be degree applicable and non-remedial
 - b. A grade of a C- or better is required for each course
- **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 are required. For full Mathematics credential, Subtests I, II, and III are required.

- **Combination of coursework and CSET examination(s)**: some combination of coursework and examinations to meet the content for all required subtests/domains.

Steps To Complete Your Review

1. Do you have a degree major in Mathematics or Applied Mathematics?
If yes, you have met SMR and this will be verified through your official transcript.
2. Did you complete or are you completing an approved subject matter preparation program for Mathematics?
If yes, you have met SMR and you will submit a signed completion letter from your program.
3. Have you passed any of the CSET subtests?
 - a. If yes, you have met SMR for that subtest and will submit your PDF score report(s)
 - b. If you have passed all three required subtests (or two for foundational math), you have fully met SMR
 - c. If you have not passed all required subtests, move to next step
4. Review the coursework options for any subtests where you have not met SMR by using the Mathematics by Coursework worksheet. You must have coursework in each domain listed for that subtest.
 - a. If yes, you have a course for every domain for that subtest, you will request a **Subject Matter Coursework Evaluation** by submitting the worksheet for review.
 - b. If no, you have NOT taken a course in every domain listed for that subtest, you will need to pass the CSET exam for that subtest to meet SMR.

MATHEMATICS – By Coursework

CSET 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			

CSET SUBTEST II – Geometry + Probability and Statistics			
Domains	Course # and Title	Course Description with link to course catalog	Grade & Term completed
3. Geometry			
4. Probability and Statistics			

Subtests I and II are required for Foundational Level Mathematics

Subtests I, II and III are required for the full Mathematics Credential

CSET SUBTEST III - Calculus			
Domains	Course # and Title	Course Description with link to course catalog	Grade & Term completed
5. Calculus			

If you have more than one course that fits within a domain, please fill in the requested information for each applicable course.

For clarification of the content and elements included in each of these domains and additional information on the Subject Matter Requirement, please visit the following CTC links:

[Subject Matter Requirements](#)

[Domains of the Subject Matter Requirements](#)

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.