

**Requirements for the minor in  
SCIENCE AND MATHEMATICS EDUCATION  
ELEMENTARY (GRADES K-8) TRACK, 2023-2024**

The Science and Mathematics Education Minor, Elementary Track consists of 26 upper-division units, with courses distributed according to the listing below. Students may be awarded the minor using only one track. Courses may be taken in any order. All courses applied to the minor must be completed with a letter grade 'C' or higher, and no more than 5 units may be graded as Pass/No Pass (P/NP). Please note unit variability between courses as this may impact your minor track unit total. **Many of the required courses for this minor track have prerequisites.**

**UPPER-DIVISION**

26 UD units are required, distributed as follows:

I. California Teach

Both of the following courses

ED 128, 129..... 8 \_\_\_\_\_

II. Education Core

Three courses from the following

ED 111, 123, 125, 126, 145, 150..... 12 \_\_\_\_\_

III. Disciplinary\*

One course from the following

ED 132, 133, 137, 138

ENV S 127A

MATH 100A\*\* ..... 3 or 4 \_\_\_\_\_

IV. Disciplinary Practicum\*

One course from the following

CHEM 193

ED 139

ENV S 127B, 191

EEMB 182 ..... 3 or 4 \_\_\_\_\_

\*Students are encouraged but not required to take one disciplinary course in science and the other in mathematics.

\*\*MATH 100A fulfills a prerequisite for the UCSB Teacher Education Program's Multiple-Subject Credential.

**Substitutions Policy:** Community College and other lower-division courses may NOT be used as substitution for any minor course. Six upper-division quarter units may be transferred from a college or university other than UCSB if the minor advisor approves the units.

Students must consult the *General Catalog* for prerequisites to required courses.

The following conditions must also be met for official recognition of the minor:

- The sponsoring department reports completion of the minor prior to the posting of the degree.
- At least 26 upper-division quarter units are completed for the minor. (Waivers cannot reduce the requirement below this number.)
- At least 20 of the upper-division units for the minor are completed while in residence at UCSB.
- No more than 5 upper-division units overlap between this minor and the upper-division portion of the major(s) or other minor(s). If overlap is greater with the major(s), completion of the minor will not be formally recognized; if overlap with other minor(s) is greater, only the first minor reported will be recognized.