Requirements for the minor in
SCIENCE AND MATHEMATICS EDUCATION 2015-2016

ADD TO TITLE: SECONDARY (GRADES 7-12) TRACK

The Secondary Track of the Science and Mathematics Education minor consists of 18 upper division units, with courses distributed according to the listing below. Courses may be taken in any order. All courses applied to the minor must be completed with a letter grade ‘C’ or higher, and only 5 units or less graded P/NP. Please note unit variability between courses as this can impact your minor unit total. Many of the required courses for this minor have prerequisites.

UPPER-DIVISION

18 UD units are required, distributed as follows:

I. CalTeach
   One course from the following
   ED 130, 131 .......................................................... 3 ____

II. Education Core
   Two courses from the following
   ED 111, 123, 125 .......................................................... 8 ____

III. Disciplinary Content
   One course from the following
   ED 132, 133, 134, 136, 137
   ENV S 136 (cross-listed as ED 136), 149 (also cross-listed as ANTH 149, GEOG 161)
   EEMB 127A, MATH 181A (cross-listed as ED 134), PHYS 120
   .......................................................... 4 ____

IV. Disciplinary Practicum
   One course from the following
   ENV S 127B, 166
   EEMB 182, 189
   MATH 181B, PHYS 160J, CHEM 102, ED 135
   .......................................................... 3 to 5 ____

Substitutions Policy: Community College and other lower division courses may NOT be used as substitution for any minor course. Six upper division quarter units can be transferred from another college or university besides UCSB if the track advisor in GGSE approvesthe 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 18 upper-division quarter units are completed for the minor. (Waivers cannot reduce the requirement below this number.)
- At least 12 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.
- No reference will be made to the minor on any progress checks or degree clearance forms.