

CALIFORNIA STATE UNIVERSITY, LONG BEACH
Department of Mathematics and Statistics

BACHELOR OF SCIENCE IN MATHEMATICS
OPTION IN MATHEMATICS EDUCATION (Code MATHBS03)

This option is for students preparing to teach mathematics at the secondary school level. A significant amount of post-baccalaureate coursework are also required for the Clear Single Subject Teaching Credential in Mathematics. See the blue "Single Subject Credential in Mathematics" handout *and* the Single Subject Teacher Education Program in the Graduate School of Education (ED1-54) for more specific information about courses and other requirements. The requirements for the bachelors degree are as follows:

1. Lower Division:

MATH 122, 123, 224, 233, 247; MTED 301 *or* CECS 174 ; ENGL 101 *or* 300 *or* 317; *and* one of the following sequences: PHYS 151 and 152; *or* PHIL 170 and 270; *or* eight units of one foreign language (must be the same language).

2. Upper Division:

EDSS 300M; MATH 310, 341, 355, 361A *or* 364A, 380, 410, 444; STAT 381;
MTED 411;

3 additional upper-division MATH or STAT units *excluding*

MATH 303I, 370A, 370B, 409.

3. A total of 120 units including 40 upper division units.

4. Fulfill General Education requirements. Note that you may use MATH 122 or 123 to satisfy General Education requirement B.2. (Although not a specific major requirement, we recommend that students planning to teach use COMM 130, Essentials of Public Speaking, to satisfy the GE A2 Foundation requirement.)

5. Attain at least a 2.0 GPA in all courses taken, all courses taken at CSULB, all courses in the major, and all upper division courses in the major taken at CSULB. (But be aware that admission to the credential program requires a 2.75 GPA in mathematics courses.)

6. Pass the Graduate Writing Assessment Requirement (GWAR). You must attempt the Writing Proficiency Exam (WPE) by the end of the semester during which you earn 65 or more units and before filing for a Grad Check. See the *CSULB Catalog* for more information.
7. Have degree objective/major code MATHBS03. (If you wish to change your code, see an advisor. It may be possible for Dr. Merryfield to do this electronically.)
8. File a "Program Planner", which has been signed by your Mathematics advisor. This must be done before filing for a Grad Check. See your advisor to obtain this.
9. File for a Grad Check. This should be done by the preceding **October 15** if graduating at the end of the Spring semester or Summer session, and by the preceding **March 15** if graduating at the end of the Fall semester.

Mathematics Education Advisors: Murray, Merryfield.

Credential Advisor: Segalla

CR/NC: No upper division course used to satisfy major requirements, except English 317 or 300 and EDSS 300M, and no course in the Department of Mathematics may be taken CR/NC.

Checking your status: It is a good idea to check with your Mathematics Advisor each semester before enrolling for the next. Your advisor can review your progress, make suggestions, and help you estimate how long it will take you to finish your degree. Once you have taken EDSS 300M (recommended timing: after you have already taken two or three upper division MATH courses), you should also review your status with the Credential Advisor.