

UCLA CalTeach-Math Junior Year

Program Description:

- **Pedagogical Content Preparation: The Math 103ABC Seminar**
Students accepted into the junior year program will take Math 103ABC, Observation and Participation: Mathematics Instruction, in the fall, winter and spring quarters of their junior year. Each quarter of the Math 103 sequence is a 2 unit seminar course designed to expose students to current issues in secondary mathematics education. Students will observe a variety of instruction in a variety of middle and high school classrooms and complete readings of relevant mathematics education research. Students will discuss these observations and readings in seminar.
- **Field Experience: Observations in Middle and High Schools**
Students accepted into the junior year program will observe mathematics teaching in a variety of local middle and high schools. During fall quarter, observations will focus on instruction and the teacher. In winter quarter, observations will focus on learning and the student. In spring quarter, observations will focus on assessment. Students will keep field notes of their observations and discuss them in the Math 103ABC seminar. Students also record their observations in the UCOP CalTeach Portal, an online system.
- **Content Preparation: The upper division core sequence**
Students accepted into the junior year program will complete a core sequence of upper division mathematics courses: Math 115A, Math 110A or 117, Math 120A or 123, and Math 131A (or their equivalent). These courses are to be completed by the end of their junior year to prepare them to meet the subject matter competence requirement for the California Single Subject Teaching Credential in Mathematics and to meet the prerequisites for Math 105ABC.
- **Pedagogical Preparation: Learning Theory**
Students accepted into the junior year program will complete Ed 407, Educational Psychology, in the Spring quarter of their junior year. Ed 407 is designed to give students a deep understanding of how children learn to prepare future teachers to create classroom communities which maximize opportunities for all students to learn. The course is designed to help future teachers: (1) articulate cognitive and socio-cultural theories of learning, (2) analyze practices and scenarios using both theories, and (3) apply some model practices which embody these theories.
- **California Credential Requirement: The California Basic Educational Skills Test**
Students accepted into the junior year program will take and pass the California Basic Educational Skills Test by the end of their junior year to satisfy the Basic Skills requirement of the CA teaching credential. UCLA CalTeach-Math will pay the related exam fees.
- **Financial Incentives:**
Students completing the above program requirements will receive up to \$900 in scholarships.

How to Apply:

Applications are posted online at <http://www.curtiscenter.math.ucla.edu/undergraduate.html>.

The application deadline is one month before instruction begins for Fall quarter. Late applications accepted on a space available basis. Permissions to Enroll (PTEs) for Math 103A are distributed with acceptance letters for the Junior Year by the Mathematics Department.

Note: Students applying for the Junior Year of the UCLA CalTeach – Math program should have completed the Math 103ABC pre-requisites: Math 32A and Math 33AB (or equivalent).