

UCLA Joint Mathematics Education Program for UCLA CalTeach - Math Seniors

Students in the senior year of the UCLA CalTeach-Math program, may also participate in the UCLA Joint Mathematics Education Program (JMEP). JMEP was initiated in 1986 by the Department of Mathematics and the Teacher Education Program (TEP) in the Graduate School of Education as a response to the shortage of well trained mathematics teachers in middle and high schools. The program seeks to recruit high quality senior mathematics majors who are interested in teaching secondary mathematics, teach these students the content and pedagogical knowledge necessary for providing high quality mathematics instruction in local urban schools, and provide students with a foundation for future teacher leadership. The program enables students to earn a California Preliminary Single Subject (Mathematics) Teaching Credential* and a Master of Education degree by the end of the academic year immediately following completion of their bachelor's degree. The program also enables students to earn a full time salary (about \$40,000) while teaching full time in Los Angeles urban schools during the academic year immediately following their bachelor's degree.

The TEP is guided by its mission statement to provide high-quality pre-service education and to radically improve urban schooling for California's racially, culturally, and linguistically diverse children. It prepares teachers to have the commitment, capacity, and resilience to promote social justice, caring, and instructional equity in low-income, urban schools.

The Senior (Novice) Year

In the senior year of the program students complete mathematics and education coursework focused on mathematics and pedagogical knowledge for the teaching of secondary mathematics. This coursework is taken concurrently in the mathematics department and the Graduate School of Education's Teacher Education Program. One of the education courses requires that students observe and participate five hours a week in mathematics classes in urban schools. During this year, students receive a \$3,000 scholarship for completion of the program. Upon completion of the Mathematics degree, students who meet the UCLA Graduate School of Education & Information Studies admissions requirements may submit an application for graduate status and continue the Mathematics/Education Program. Students who receive scholarships for participation in the senior year of the program are not obligated to continue in the second year of the program.

Summer after the Bachelor's

In the summer between the Senior and Graduate Year, students complete coursework and a teaching performance assessment that completes the requirements toward a Preliminary California Single Subject Teaching Credential. The coursework includes a student teaching assignment in an urban school in a TEP Partnership District (e.g. Centinela Valley, Lynwood, Lennox, parts of Los Angeles Unified). During this summer, students receive a \$2,000 scholarship for completion of the program.

The Graduate (Resident) Year

In the graduate year of the program, students secure jobs as full-time mathematics teachers in urban schools in a TEP Partnership District. Students complete additional coursework toward completion of the Master's degree in Education. In addition to completing final program course work, students are required to prepare a Resident Inquiry. The portfolio is based on master's and credential coursework and residency year teaching experiences and is reviewed and presented in Spring quarter of this year. During this year, students are paid a beginning teacher's salary (often around \$40,000) with benefits by the school at which they are employed.

***Note:** *In the State of California, a school district recommends teachers for their Professional Clear Credential to the Commission on Teacher Credentialing after successful completion of a district induction program (called BTSA, "Beginning Teacher Support and Assessment").*

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Highlights of the Program

- **Social Justice Agenda**
TEP is committed to developing highly qualified teachers who are caring advocates for children, who possess subject matter knowledge and pedagogical skill, and who take social and political action to press for justice in urban school communities.
- **Cohort Model**
Students in the program are grouped into one cohort which meets regularly throughout the two years. Interaction with other students in the cohort, the cohort's TEP Faculty Advisor, and other program faculty provide strong support as students are introduced to and transition into a career in secondary mathematics teaching. Students are asked to secure their Graduate year teaching positions in pairs, which provides for a like-minded colleague at the school site as well. In fact, several TEP Partnership Schools now have several of our graduates in their mathematics departments. These groups of teachers are often instrumental in making important changes which impact the school wide mathematics program.
- **Retention**
By June of 2006, the program had placed well over one hundred and fifty mathematics majors in Los Angeles area schools - mostly inner city schools or those with substantial minority student populations. Over 80% of these students are still teaching.
- **Foundation for Teacher Leadership**
Many graduates from the program are quickly recruited for leadership roles in their departments, schools, and districts. Many have been recruited to provide departmental leadership to implement innovative programs for struggling students, to serve as department chair, and to teach Advanced Placement courses, etc. A number of program graduates now serve in leadership roles both at the school level and at the district level.

Program Prerequisites

- **GPA**
Students applying for the Joint Mathematics Education Program should have a 3.0 GPA.
- **Mathematics Coursework**
Students applying for the Joint Mathematics Education Program should have completed the Math 105ABC pre-requisites: Math 110A or 117, Math 123 or 120A, and Math 131A (or equivalent). To enroll in Math 105ABC, please see the Undergraduate Office for a PTE number.

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TENTATIVE SCHEDULE

Year One (2010-2011) – The Senior (“Novice”) Year:			
Fall Quarter	Ed 330A Ed 405A Ed 406 Math 105A	Observation & Participation Teaching in Urban Schools Cultural Foundations Mathematics and Pedagogy for Teaching Secondary Mathematics	3 units 2 units 2 units 4 units
	Math XXX	Required upper division mathematics course(s)	4-8 units
Winter Quarter	Ed 330A Ed 405B Math 105B Ed 301	Observation & Participation Teaching in Urban Schools Mathematics and Pedagogy for Teaching Secondary Mathematics Introduction to Information & Presentation Tools	2 units 2 units 4 units 1 unit
	Math XXX	Required upper division mathematics course(s)	4-8 units
Spring Quarter	Ed 330A Ed 405C Math 105C Ed 407	Observation & Participation Teaching in Urban Schools Mathematics and Pedagogy for Teaching Secondary Mathematics Educational Psychology	3 units 2 units 4 units 3 units
	Math XXX	Required upper division mathematics course(s)	4-8 units
Earn Bachelors Degree in Mathematics/ Secure a Job for the Fall in a TEP Partnership School			
Summer Session	Ed 330B Ed 409 Ed 425	Student Teaching Language Acquisition Special Education	4 units 3 units 3 units
Year Two (2011-2012) – The Graduate “Resident” Year:			
Fall Quarter	Ed 498A Ed 490A	Directed Field Experience Instructional Decision Making	8 units 4 units
Winter Quarter	Ed 498B Ed 491	Directed Field Experience Curriculum Decision Making	8 units 4 units
Spring Quarter	Ed 498C Ed 481	Directed Field Experience Knowledge & Inquiry in Classroom	8 units 4 units

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IMPORTANT DATES

Senior Program Applications Due: (Interviews will be held on April 20-21, 2009)	4/16/10
Senior Program Admission Decisions:	Approximately June 2010
Joint Mathematics/Education Program Graduate School of Education and Information Studies Orientation	September 2010
Fall Classes begin:	9/25/08
Take CBEST*	By December 15, 2009
Take U.S. Constitution Exam**	By December 15, 2009
Obtain letter verifying "subject matter competency" for the CA Single Subject Teaching Credential in Mathematics from Mathematics Department Undergraduate Advisor (80% completion of the department's CA-approved subject matter program – see p. 8)***	By December 15, 2009
Apply to GSE&IS for Graduate (Resident) year of program:	January 8, 2010
Graduate (Resident) Year Admission decisions:	May 2010
File for Intern Teaching Credential	May 2010
Upon Completion of Student teaching, file for Preliminary Teaching Credential	August 2010
Graduate (Resident) students find employment positions:	June 2010-August 2010
School year/employment begins:	September 2010
Inquiry project oral defense for M.Ed.	Spring 2010

For notes on *, **, and *** see next page

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IMPORTANT EXAMS

The following exams are required for admission to the second year (Graduate or Resident year) of the Joint Mathematics-Education Program:

Dates Exam Offered	CBEST
March 2009	
April 2009	X
May 2009	
June 2009	X
July 2009	
August 2009	X
September 2009	
October 2009	X

*CBEST

California Basic Education Skills Test

This exam is offered bimonthly. Please sign up to take one of the administrations listed above. For further information please visit their web site at: <http://www.cbest.nesinc.com/index.htm>

**U.S. Constitution - Students must pass either a college level course of at least 3 quarter units or an examination on the principles and provisions of the United States Constitution. Any one of the following UCLA undergraduate courses satisfy this requirement: Hist 13A/B/C, Hist 7A/B, Hist 151A/B, PoliSci 1, PoliSci 172A/B, PoliSci 40. Students may also satisfy this requirement by earning a passing score on an examination. UCLA Extension offers an appropriate examination. For further information regarding test dates and fees contact (310) 825-4581.

Registration bulletins for required examinations are available from the Office of Student Services, 1009 Moore Hall.

How to Apply:

Applications for the Joint Math Ed Program are posted online at

<http://www.curtiscenter.math.ucla.edu/undergraduate.html>. The deadline for applications is April 16, 2010.