

Mathematics for Teaching Minor MLA Pathways Information & Four-Year Planner





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Mathematics for Teaching Minor

The Mathematics for Teaching minor is designed for students majoring in fields other than mathematics who plan to teach secondary mathematics after graduation. For non-majors joining the mathematics department and School of Education's Math for LA Pathways, the minor provides recognition for completion of prerequisite coursework for the program. The minor provides additional upper division course work in mathematics relevant to the secondary school curriculum: algebra, geometry, and analysis. This coursework also prepares students for content on the California Subject Examination for Teachers, which is required to prove competence in the subject matter.

The Minor (7 courses total):

□ Math 115A	□ Math 120A or 123	□ Math 105A
□ Math 110A or 117	□ Math 131A	□ Math 105B
		□ Math 105C

To enter the minor, students must complete Math 115A with a C or better. The remaining courses must be completed with a C- or better. Students must maintain at least a 2.0 GPA in all courses for the minor.





Math for LA Credential Programs:

Math For LA: B.S. + CA Teaching Credential	Math For LA: M.Ed + CA Teaching Credential
 Work on your CA Teaching Credential during your junior and senior years. Earn your CA Teaching Credential upon graduation Begin teaching full time with a full-time salary after graduation 	 Earn your CA Teaching Credential by the summer after graduation Begin teaching full time with a full-time salary at the end of that summer Complete a Master's in Education by the following June

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Traditional Pathway:

Freshman	Sophomore	Junior	Senior se	Grad School	Grad School
Year	Year	Year	Year	Year 1	Year 2
Math 73	Math 74	Math 103 ABC	Math 105 ABC	Credential coursework	Masters' coursework

Joint Math/Ed Pathway:

Freshman Sophomore Year Year Math 73 Math 74	Junior Year Math 103 ABC	Senior Year Math 105 ABC Credential Coursework	Summer Term Credential Coursework	Grad School Year 1 Masters' coursework
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Integrated Pathway:

Freshman Year Math 73	Sophomore Year Math 74	<i>Junior</i> <i>Year</i> Math 103 ABC Credential Coursework	Senior Year Math 105 ABC Credential Coursework
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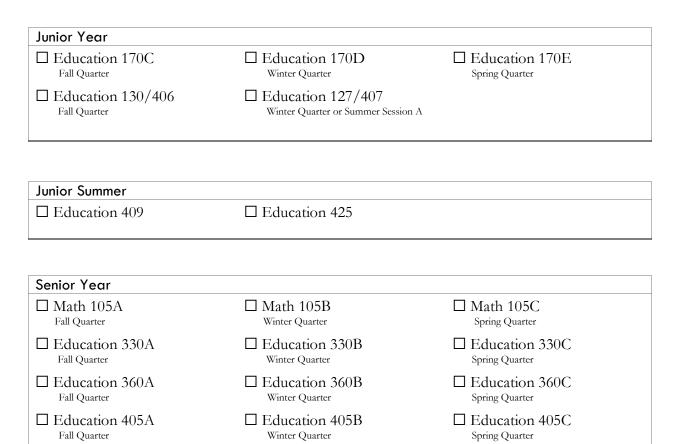
CA Teaching Credential Requirements

California Credential Requirement	Alternative at UCLA
Subject Matter Competence	Subject Matter Preparation Program
Candidates for a CA Single Subject Credential	The UCLA Math Department has a
in Mathematics must demonstrate "subject	CA-approved Subject Matter Preparation
matter competence" by achieving a passing	Program in Mathematics. Upon completion of
score on California's three-part Subject	this program, students request a letter of
Examination for Teachers in Mathematics	completion from the UCLA Mathematics
(CSET) or by completing a CA-approved	Department which verifies their "Subject
Subject Matter Preparation Program.	Matter Competence." Note: Completing the
	Math for Teaching Major fulfills the
	requirements of the Subject Matter Preparation
	Program.
Pedagogical Competence	UCLA's Math For LA
Candidates typically complete a year of	A fast track program to complete some or all of
coursework in a post-baccalaureate CA-	the coursework for a CA Secondary Teaching
approved teacher credentialing program.	Credential in Mathematics as an undergraduate.
Clinical Competence	Take and Pass:
Candidates must complete 600 hours of	Math 73SL, Math 74SL, and Math 103ABC to
supervised clinical practice.	begin accruing these hours as soon as possible.
	Later, enroll in Math 105ABC and other
	education coursework as part of Math For
	\underline{LA} to complete your 600 hours.
US Constitution Test	Take and pass one class from:
Test based on the United States Constitution	Hist 13A/B/C – History of the US and its
and the California State Government	Colonial Origins
	Hist 143A/B – Constitutional History of the
	United States
	Pol Sci 40 – Intro to American Politics
California Basic Skills Requirement	None
Obtain a <u>qualifying score</u> on the CBEST, AP	
Exams, the SAT, the ACT, the CSU EAP	
Exam, or CSU Placement exams.	
Fingerprinting	None
California education code requires that all	
individuals who seek to obtain California	
credentials receive fingerprint clearance from	
the California Department of Justice and the	
Federal Bureau of Investigation	



INTEGRATED PATHWAY

to be completed concurrently with your undergraduate degree

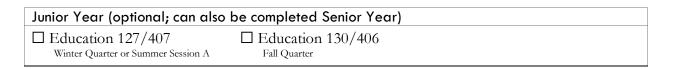


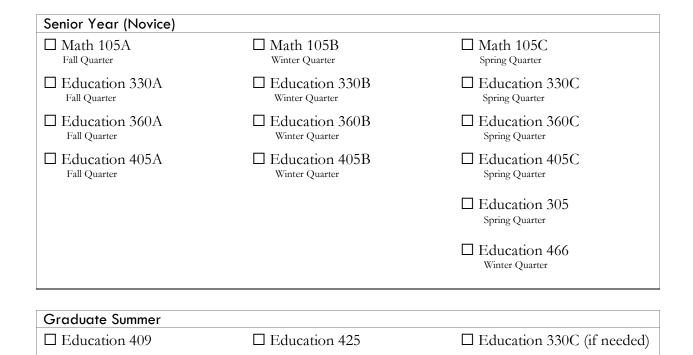




JOINT MATH/ED PATHWAY

to be completed concurrently with your undergraduate degree





Graduate Year (Resident)		
Education 498A Fall Quarter	Education 498B Winter Quarter	Education 498C
Education 490A Fall Quarter	Education 491 Winter Quarter	Education 481 Spring Quarter





General Education Requirements

UCLA College of Letters of Sciences

To better help you plan out your courses, here is the list of the General Education Requirements for UCLA College Letters of Sciences.

Foundations of the Arts and Humanities		15 UNITS MINIMUM
One course from each of the following:	□ Literary and Cultural Analysis:	
	Philosophic and Linguistic Analysis:	
	□ Visual and Performance Arts Analysis and Practice:	
Foundations of Society and Culture		15 UNITS MINIMUM
One course from each of the	□ Historical Analysis:	
following:	□ Social Analysis:	
Third course from either subgroup:	☐ Historical Analysis or Social Analysis:	
Foundations of Scientific Inquiry:		18 UNITS MINIMUM
Two courses from each of the following:	□ Life Sciences:	□ Life Sciences w/ Lab:
(One with a laboratory)	Physical Sciences:	☐ Physical Sciences w/ Lab:
Writing I:	U Writing I Requirement:	
Writing II:	U Writing II Requirement:	
	A Writing II course also app applied toward the relevant (
Diversity:	Diversity Requirement:	
	A Diversity course also appr applied toward the relevant (•

Note: Hist 13A/B/C, Hist 143A/B, Pol Sci 40 (courses that satisfy the U.S. Constitution requirement for the CA Teaching Credential) fulfill the Historical Analysis Requirement.





PLANNER

This planner is designed to help students pursuing the Mathematics for Teaching minor and Math for LA Credential Pathways plan out their courses.

Freshmen

Summer (FSP Students)	
Course	Grade

Fall Quarter	
Course	Grade

Winter Quarter	
Course	Grade

Spring Quarter	
Course	Grade

We encourage* freshmen pre-math majors interested in teaching mathematics as a profession to:

- take the Math 73SL seminar
- complete Math 31A, 31B and 32A, 32B
- fulfill the U.S. Constitution requirement for the CA Teaching Credential by taking one of the following general ed courses: Hist 13A/B/C, Hist 143A/B, Pol Sci 40

^{*} Note: Fulfilling the list above is encouraged. If you are not able to complete it, that does not mean that you are not on track. If you have any questions, refer to the contact page to set up an appointment and discuss how to plan your courses.



Sophomore

Summer		Fall Quarter		
Course	Grade	Course	Grade	

Winter Quarter		Spring Quarter		
Course	Grade		Course	Grade

We *encourage*^{*} sophomore pre-math majors interested in teaching mathematics as a profession to:

- take the Math 74 SL seminar
- complete Math 33A, 33B, and 115A
- complete the California Basic Skills Requirement required for a CA Teaching Credential (refer to page 5 for more information)

If you are interested in the Math For LA: Integrated Pathway, applications are due **before the Fall of the applicant's third year**. Visit the <u>Curtis Center website</u> for additional information and to apply to the pathway.

^{*} Note: Fulfilling the list above is encouraged. If you are not able to complete it, that does not mean that you are not on track. If you have any questions, refer to the contact page to set up an appointment and discuss how to plan your courses.





Junior

Summer		Fall Quarter	
Course	Grade	Course	Grade

Winter Quarter		Spring Quarter		
Course	Grade	Course	Grade	

We *encourage*^{*} junior math majors considering teaching mathematics as a profession to:

- complete Math 103A, B, & C
- complete Math 117 or 110A, 123 or 120A, and 131A
- For students interested in the Math For LA Integrated Pathway, complete Ed 130/406, Ed 127/407, and Ed 170 C, D, & E
- Sign up for the CBEST and complete before the end of your Junior year.

If you are interested in the Math for LA: Joint Math Education Pathway, applications are due in **December of the applicant's third year**. Visit the <u>Curtis Center website</u> for additional information and to apply to the pathway.

^{*} Note: Fulfilling the list above is encouraged. If you are not able to complete it, that does not mean that you are not on track. If you have any questions, refer to the contact page to set up an appointment and discuss how to plan your courses.





Senior

Summer		Fall Quarter	
Course	Grade	Course	Grade

Winter Quarter		Spring Quarter		
Course	Grade	Course	Grade	

We *encourage*^{*} seniors planning to teach mathematics as a profession to:

• Sign up for the CSET and complete before the end of your senior year.

^{*} Note: Fulfilling the list above is encouraged. If you are not able to complete it, that does not mean that you are not on track. If you have any questions, refer to the contact page to set up an appointment and discuss how to plan your courses.





CONTACTS

For additional information about the UCLA Math Department's math teacher preparation programs:

Heather Dallas Curtis Center Executive Director Department of Mathematics 5334 Mathematical Sciences (310) 825-4096 dallas@math.ucla.edu Julian Rojas Math for LA Coordinator JMEP/Math for LA Alumni rojas@math.ucla.edu

For academic peer counseling, general information about the UCLA Math Department's mathematics teacher preparation programs, or general questions about MLA pathways requirements and applications:

Mariana Narvaez Curtis Center Program Assistant Math for LA Liaison <u>mnarvaez@math.ucla.edu</u>

For information about earning a CA teaching credential and a Master's in Education at UCLA:

Yolanda Reyna Program Coordinator, Teacher Education Program Graduate School of Education & Information Studies 1320 Moore Hall (310) 206-0796 reyna@gseis.ucla.edu

Jaime Park

Faculty Advisor, Teacher Education Program Graduate School of Education & Information Studies 1320 Moore Hall (310) 206-3911 japark@gseis.ucla.edu

For UCLA Math Undergraduate advising and counseling:

Connie Jung Undergraduate Advisor Department of Mathematics 5334 Mathematical Sciences

5334 Mathematical Science (310) 206-1286 connie@math.ucla.edu

Undergraduate Student Affairs

Department of Mathematics Students Services Office: 6356 Mathematical Sciences (310) 206-1286 ugrad@math.ucla.edu

