MATHEMATICS for TEACHING

Name:				_ID#		
Preparation for the	major (11 co	ourses):				
	Quarter	Grade			Quarter	Grade
Math 31A			Phy	sics 1A <u>or</u> 6A		
Math 31B			Two courses from the		he following:	
Math 32A			Chem 20A			
Math 32B			Chem 20B			
Math 33A			Physic 1B <u>or</u> 6B			
Math 33B			Physic 1C <u>or</u> 6C			
Math 61			PIC 10BC - 97:			
PIC 10A						
The Major (13 cours	ses):		Quartar	Grada		
			Quarter	Grade		
Math 115A						
Math 105A						
Math 105B						
Math 105C						
Math 106						
Math 110A <u>or</u> 117						
Math 120A or 123						
Math 131A						
Math 170A or Stats 100A						
Stats 100B						
One course chosen f	rom Math 13	31B - 136: Mat	thematics Analy	rsis		
One course chosen f	rom Math 14	2 - 167: Appli	ed Mathematics	3		
One course chosen f	rom Math 11	0B – 191H or	Stats100C: Up	per Division Ma	thematics	

1. _____ _____

The Mathematics for Teaching major is designed for students planning to teach mathematics at a secondary school. The major focuses on providing a substantial foundation for potential teacher leaders. It provides broad exposure to mathematical knowledge for teaching, and it also provides an introduction to an array of professional issues in mathematics teaching. The major includes student observation components and a portfolio component. Special attention will be paid to students in the major to insure that they satisfy the mathematics subject matter competency requirements for the California Single Subject Mathematics Teaching Credential.

Pre-requisites for and enrolling in Math 105ABC: Enrollment in Mathematics 105ABC is by PTE only. Math 105ABC pre-requisites are: 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.

Note: Students who complete the UCLA Mathematics for Teaching Major automatically complete the department's CA-approved "subject matter program" in mathematics, verifying their "subject matter competence" for the CA Single Subject Teaching Credential in Mathematics.

MATHEMATICS SINGLE SUBJECT MATTER COMPETENCY PROGRAM

Verifying Subject Matter Competence for the CA Single Subject Teaching Credential in Mathematics

Applicants for a California Preliminary Single Subject Teaching Credential in Mathematics must verify their "subject matter competence" to teach mathematics in one of two ways: 1.) complete a CA-approved "subject matter program" and obtain verification of completion from a university with an approved program or 2) achieve a passing score on the three part California Subject Matter Examination for Teachers (CSET).

The UCLA Mathematics Department is one of three UC campuses with a CA-approved subject matter program in mathematics. The courses comprising the program are listed below. Students who complete all four years of the UCLA CalTeach-Math and/or the Mathematics for Teaching major will automatically complete the department's CA-approved subject matter program. At the end of their senior year, students may request a letter from the Mathematics Department's Undergraduate Office verifying their completion of these courses and thus their subject matter competence for the CA Single Subject Teaching Credential in Mathematics.

Calculus and Analytic Geometry

Calculus and Analytic Geometry

Calculus of Several Variables

Calculus of Several Variables

22 courses:

Mathematics 31A Mathematics 31B Mathematics 32A Mathematics 32B Mathematics 33A Mathematics 33B Mathematics 61 Programming in Computing 10A

Mathematics 105A** Mathematics 105B** Mathematics 105C** Mathematics 106 Mathematics 117 <u>or</u> 110A Mathematics 115A Mathematics 120A or 123 Mathematics 131A Mathematics 170A <u>or</u> Stats 100A Statistics 100B Linear Algebra & Applications Differential Equations Discrete Structures Introduction to Programming Mathematics and Pedagogy for Teaching Secondary Mathematics Mathematics and Pedagogy for Teaching Secondary Mathematics Mathematics and Pedagogy for Teaching Secondary Mathematics History of Mathematics Algebra Linear Algebra Geometry Analysis Probability Statistics

1 from Mathematics 131B - 136

1 from Mathematics 142 - 167

1 from Physics 1A or 6A

1 from Chemistry 20AB, Physics 1BC, Physics 6BC, or Programming in Computing 10B-97

** **Pre-requisites for and enrolling in Math 105ABC**: Enrollment in Mathematics 105ABC is by PTE only. Math 105ABC pre-requisites are: Math 110A <u>or</u> 117, Math 123 or 120A, and Math 131A (or equivalent). To enroll in Math 105ABC, please see the Undergraduate Office for a PTE number.