

**SINGLE SUBJECT TEACHING CREDENTIAL IN MATHEMATICS  
REQUIREMENT CHECK LIST (Program Starting Fall of 2005)**

**CORE COURSES IN MATHEMATICS**

NUMBER	NAME	UNITS	DATE COMPLETED
MTH 164	Calculus I	4	
MTH 174	Calculus II	4	
MTH 242	Number Theory With Proofs	2	
MTH 274	Calculus III	4	
MTH 344	Discrete Mathematics	4	
MTH 352	History of Mathematics	2	
MTH 364	Mathematical Statistics	4	
MTH 402	Topics in Geometry	2	
MTH 424	Real Analysis I	4	
MTH 444	Abstract Algebra I	4	
MTH 481	Senior Seminar in Mathematics	1	
MTH 492	Special Topics (required by the department and not the state)	2	

**BREATH AND PERSPECTIVE COURSES**

NUMBER	NAME	UNITS	DATE COMPLETED
CSC 142	Introduction to Computer Programming	2	
CSC 154	Fundamentals of Computer Science	4	
CSC 252	Data Structures with Programming	2	
MTH 232	Linear Algebra	2	
MTH 412	Complex Analysis	2	
MTH 432 or MTH 452	Abstract Algebra II or Real Analysis II	2	
MTH 463	Secondary School Mathematics	3	
PHY 241	University Physics	4	
	Elective units	2	

**EDUCATION CLASSES**

NUMBER	NAME	UNITS	DATE COMPLETED
EDU 304	Legal, Ethical and Wesleyan Perspectives in Education ( <b>required</b> )	4	
EDU 402	Research-Based Learning Theory (recommended)	4	

**FIELD EXPERIENCES**

**(You must complete at least two of the following activities)**

TYPE	TIME	LOCATION	DATE COMPLETED
MLC Tutoring or Department Lab Assisting	40 hours		
Right Place Tutoring	40 hours		
Jr./Sr. High Classroom Aid	40 hours		
Tutoring with a PLNC outreach program	40 hours		
Industrial Work	40 hours		
Internship	40 hours		
Mathematical Seminar (UCSD, SDSU, USD, etc.)	3 seminars		
Professional Meeting (NCTM, MAA, ACM, etc.)	1 meeting		