

**SINGLE SUBJECT TEACHING CREDENTIAL IN MATHEMATICS
REQUIREMENT CHECK LIST (Program Starting Fall of 2007)**

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 382	Mathematical Statistics	2	
MTH 392	Probability	2	
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 (required)	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		