Mathematics Subject Competency   Department of Mathematics   University of California, Davis

This is to Verify that _____ has

_____completed the UCD Subject Matter Competency Program.
_____met the parts of the UCD Subject Matter Competency Program that are indicated below.

Course	Course Title	Units	Date completed	
			Quarter	Year
Math 12	Precalculus	3		
Math 21ABC	Calculus	12		
Math 21D	Vector Analysis	4		
Math 22B	Differential Equations	3		
Math 111	History of Mathematics	4		
Math 115A	Number Theory	4		
MAT 127A	Real Analysis	4		
Math 141	Euclidean Geometry	4		
Math 150A	Modern Algebra	4		
Math [67] or [22A and 108]	Modern Linear Algebra	4 – 8		
Math 135A	Probability	4		
Students select one (two) statistic course(s) from the following two choices:		4--8		
Stats 130AB	Mathematical Statistics: Brief Course			
Stats 100	Applied Statistics for Biological Sciences			
Students select one Computer Science course from the following three choices:		4		
ENG 6	Engineering Problem Solving			
ECS 32A or 36A	Introduction to Programming OR Programming and Problem Solving			
ECS 34 or 36B	Software Development in UNIX & C/C++ OR Software Development and Object-Oriented Programming in C++			
Required Courses For Breadth & Perspective				
Course No.	Course Title	Quarter Units		
Math 127B	Real Analysis	4		
Math 167	Applied Linear Algebra	4		
Students select one Education course from the following list:		4		
Geo/Edu 183	Math-Science Education Teacher (MAST III)			

EDU 100	Introduction to Schools			
Students select one Computing Skills course from the following list:		4		
ECS 122A	Algorithm Design and Analysis			
Math 128A	Numerical Analysis			
Math 128B	Numerical Analysis in Solution of Equations			
Math 128C	Numerical Analysis in Differential Equations			
Math 168	Optimization			
Students select one course from the following list:		4		
Math 115B	Number Theory			
Math 118A	Partial Differential Equations: Elementary Methods			
Math 119A	Ordinary Differential Equations			
Math 127C	Real Analysis			
Math 145	Combinatorics			
Math 150B	Modern Algebra			
Students select one of the following two Physics options:		4—8		
PHY 9A	Classical Physics			
PHY 7AB	General Physics			
Minimum number of CORE quarter units in Math SMPP		58-62		
Minimum number of Breadth and Perspective quarter units in Math SMPP		24-28		
Total: Minimum number of CORE AND BREADTH quarter units in Math SMPP		**82-94**		

Ali A. Daddel
Department of Mathematics
University of California, Davis

Signature: _____

Date:
_____

Student's Name: _____