



## MASTER OF ARTS IN TEACHING MATHEMATICS (MAT)

Requirements (48 units)

The Master of Arts in Teaching Mathematics (MAT) program is designed for single subject credential teachers who wish to obtain a deeper understanding of mathematics and the teaching of mathematics as it applies to the secondary level.

All candidates are encouraged to meet with the MAT coordinator to develop their course plan. The core mathematics courses (Math 631-635) may be taken in any order subject to course availability. The following EXAMPLE course sequence is effective Fall 2013, and is subject to change.

Quarter 1 (Fall)	Quarter 2 (Winter)	Quarter 3 (Spring)
MATH 633 Trigonometry from a Teaching and Problem Solving Perspective (6 units)	MATH 634 Calculus from a Teaching and Problem Solving Perspective (6 units)	EDSC 643 Assessment in the Science Classroom (4)
		Mathematics Elective*
Quarter 4 (Fall)	Quarter 5 (Winter)	Quarter 6 (Spring)
MATH 631 Algebra from a Teaching and Problem Solving Perspective (6 units)	MATH 632 Geometry from a Teaching and Problem Solving Perspective (6)	MATH 635 Statistics and Probability from a Teaching and Problem Solving Perspective (6)
MATH 607 Introduction to Education Research (4 units)	MATH 695B Independent Study (2 units) or EDUC 601B Advanced Independent Study Topics in Education (2 units)	MATH 699 Master of Arts in Teaching Mathematics Thesis (4 units) or EDUC 600 Master's Degree Project (4 units)
		MATH 601 Assessment Portfolio (0 units)

\* Four units of 400- to 600- level mathematics courses that are applicable to the B.A. or B.S. in mathematics (non-teaching track) or M.A. in Mathematics. Students are encouraged to take MATH 480 if not taken previously.