

**COLORADO STATE UNIVERSITY
MATHEMATICS MAJOR
CONCENTRATION IN MATHEMATICS EDUCATION**

NAME: _____ SSN: _____ ADVISER: _____ TERM OF GRAD: _____

LOCAL ADDRESS: _____ ZIP: _____ PH: _____ E-Mail: _____

CORE COURSES (38-39 credits) CC = Core Curriculum	MATHEMATICAL SCIENCES (43 credits) (Grade of C or higher required in all Mathematics, Computer Science, Statistics courses in this column).	ADDITIONAL COURSES (39 credits)
FRESHMAN SEMINAR <u>2</u> _____ M 192 First-Year Seminar in Mathematical Sciences [1] _____ ST 192 First-Year Seminar in Mathematical Sciences [1]	MATHEMATICS <u>33</u> _____ M CC 160 Calc for Physical Scientists I [4] _____ M CC 161 Calc for Physical Scientists II [4] _____ M 229 Matrices and Linear Equations [2] _____ M 261 Calc for Physical Scientists III [4] _____ M 317 Advanced Calc. of One Variable [4] _____ M 330 Discrete Math for Educators [3] _____ M 366 Intro to Abstract Algebra [3] _____ M 369 Linear Algebra [3] _____ M 470 Euclidian & Non-Euclidian Geometry [3] _____ M 425 History of Mathematics (Capstone) [3]	EDUCATION FOUNDATION <u>13</u> _____ EDCC 275 Schooling in the US [*] _____ ED 331 Educ. Tech. [2] _____ ED 340 Lit./Div./Learner [3] _____ ED 350 Learning Environment [3] _____ ED 386 Practicum-Learning Envir [1] _____ ED 450 Theory and Practice [4] _____ ED 486J Practicum-Theory-Prac. [1]
COMMUNICATION <u>6</u> _____ COCC 150 College Composition [3] _____ SPCC 200 Public Speaking [3]	_____ M 366 Intro to Abstract Algebra [3] _____ M 369 Linear Algebra [3] _____ M 470 Euclidian & Non-Euclidian Geometry [3] _____ M 425 History of Mathematics (Capstone) [3]	*Note: EDCC 275 is a required education course and satisfies the core Public Values requirement. *ED 450, ED 486J and ED 464 should be taken together.
BIOLOGICAL/PHYSICAL SCIENCES <u>13</u> A total of 13 credits. Must include courses from at least 2 different prefixes and at least one of the sequences PH CC 121-PH CC 122, PH CC 141-PHCC 142, C CC 111-C CC 112-C CC 113-C CC 114. Must include 7 credits from CC 3-A. _____ [] _____ [] _____ [] _____ []	COMPUTER SCIENCE <u>4</u> _____ CSCC 153 Java Programming [4]	MATH METHODS <u>4</u> _____ ED 464 Methods & Materials in Teaching Mathematics [4]
ARTS/HUMANITIES <u>3</u> Select one course from CC 3-B _____ [3]	STATISTICS <u>3</u> _____ STCC 309 Statistics for Engr & Sci [3]	FIELD EXPERIENCE See Teacher Licensure Checksheet
SOCIAL/BEHAVIORAL SCIENCES <u>3</u> Select one course from CC 3-C _____ [3]	MATH SCIENCE ELECTIVES <u>3</u> Select 3 credits from among: STCC 420[3], STCC 430[3], or Upper-Division Math courses except M CC 315 and those ending In -80 to -99. _____ []	PROFESSIONAL SEMESTER <u>13</u> _____ ED 485 A-B Student Teaching Secondary [11-12] _____ ED 493 A Professional Seminar [1]
HISTORICAL PERSPECTIVES <u>3</u> Select one course from CC 3-D _____ [3]	MINOR, SECOND MAJOR MINOR: _____ SECOND MAJOR: _____	UNRESTRICTED ELECTIVES <u>7-8</u> Recommended: EX 240[2] or Red Cross Emergency Care and First Aid Credentials. _____ [] _____ [] _____ [] _____ [] _____ []
GLOBAL/CULTURAL AWARENESS <u>3</u> Select one course from CC 3-E _____ [3]	The program of study shown is subject to approval by the University Curriculum Committee.	GRADUATION REQUIREMENTS Total credits (at least 120 credits) [] Upper-Division credits (at least 42 credits) [] CSU Grade Point Average (at least 2.0) []
U.S. PUBLIC VALUES/INSTITUTIONS* <u>3</u> _____ EDCC 275 Schooling in the U.S. [3]	_____ []	M CC 117, M CC 118, M CC 120, M CC 121, M CC 124, M CC 125 and M CC 126 are considered by the Department of Mathematics to be review courses. Credits in these courses may not be used as part of a degree in math.
HEALTH AND WELLNESS <u>2-3</u> Select one course from CC 3-G _____ []	_____ []	Transfer students must complete a minimum of 9 upper-division credits in mathematics at CSU, excluding M315, M340, and mathematics courses ending in -80 to -99.
	SPRING 2006 - REVISED 3/22/06 K:\Katie\Undergraduates\Check Sheets Sp06\Math Education March 2006.doc	See the Colorado State University General Catalog for a complete statement of graduation requirements. Visit the Math Department web site for information on updated courses and requirements: www.math.colostate.edu