

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

NAME: _____ CSUID: _____ ADVISER: _____ TERM OF GRAD: _____

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

CORE COURSES (36 credits)	MATHEMATICAL SCIENCES (43 credits) (Grade of C or higher required in all Mathematics, Computer Science, Statistics courses in this column).	ADDITIONAL COURSES (41-42 credits)
FRESHMAN SEMINAR <u>2</u> _____ MATH 192 First-Year Seminar in Mathematical Sciences (fall only) [1] _____ STAT 192 First-Year Seminar in Mathematical Sciences (spring only) [1]	MATHEMATICS <u>33</u> _____ MATH 160 Calc for Physical Scientists I [4] _____ MATH 161 Calc for Physical Scientists II [4] _____ MATH 229 Matrices and Linear Equations [2] _____ MATH 261 Calc for Physical Scientists III [4] _____ MATH 317 Advanced Calc. of One Variable [4] _____ MATH 330 Discrete Math for Educators (Fall only) [3] _____ MATH 360 Math of Information Security [3]	EDUCATION FOUNDATION <u>17</u> _____ EDUC 275 Schooling in the US [3] _____ EDUC 331 Educ. Tech. [2] _____ EDUC 340 Literacy & the Learner [3] _____ EDUC 350 Instruc. Management [3] _____ EDUC 386 Practicum-Instruction I [1] _____ EDUC 450 Instruction II [4] _____ EDUC 486J Var. Practicum [1]
COMMUNICATION <u>6</u> _____ CO 150 College Composition [3] _____ 1 course from AUCC Category 2-B* [3]	_____ MATH 261 Calc for Physical Scientists III [4] _____ MATH 317 Advanced Calc. of One Variable [4] _____ MATH 330 Discrete Math for Educators (Fall only) [3] _____ MATH 360 Math of Information Security [3]	*EDUC 450, EDUC 486J and EDUC 464 should be taken together. MATH METHODS <u>4</u> _____ EDUC 464 Methods & Materials in Teaching Mathematics (spring) [4]
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 121-PH 122, PH 141-PH 142, CHEM 111-CHEM 112-CHEM 113-CHEM 114. Must include 7 credits from Category 3-A. _____ [] _____ [] _____ [] _____ []	OR _____ MATH 366 Intro to Abstract Algebra [3] _____ MATH 369 Linear Algebra [3] _____ MATH 470 Euclidean & Non-Euclidean Geometry (SP only) [3] _____ MATH 425 History of Mathematics (FA only) (Capstone) [3]	FIELD EXPERIENCE See Teacher Licensure Checksheet
ARTS/HUMANITIES <u>6</u> Select two courses from Category 3-B _____ [3] _____ [3]	COMPUTER SCIENCE <u>4</u> Select 4 credits from: CS 160; or CS 155, CS 156 and any two of CS 157, MATH 151, MATH 152, MATH/CS 158. _____ [] _____ [] _____ []	PROFESSIONAL SEMESTER <u>12</u> _____ EDUC 485-B Var. Student Teaching (Secondary) [11] _____ EDUC 493-A Professional Seminar [1]
SOCIAL/BEHAVIORAL SCIENCES <u>3</u> _____ EDUC 275 Schooling in the U.S. [3]	STATISTICS <u>3</u> _____ STAT 315 Statistics for Engr & Sci [3]	UNRESTRICTED ELECTIVES <u>8-9</u> Recommended: HES 240 or Red Cross Emergency Care and First Aid Credentials. _____ [] _____ [] _____ []
HISTORICAL PERSPECTIVES <u>3</u> Select one course from Category 3-D _____ [3]	MATH SCIENCE ELECTIVES <u>3</u> Select 3 credits from among: STAT 420[3], STAT 430[3], or Upper-Division Math courses except MATH 315 and those ending In -80 to -99. _____ []	GRADUATION REQUIREMENTS Total credits _____ [] (at least 120 credits) Upper-Division credits _____ [] (at least 42 credits) CSU Grade Point Average _____ [] (at least 2.0)
GLOBAL/CULTURAL AWARENESS <u>3</u> Select one course from Category 3-E _____ [3]	MINOR, SECOND MAJOR MINOR: _____ SECOND MAJOR: _____	MATH 117, MATH 118, MATH 124, MATH 125 and MATH 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. Transfer students must complete a minimum of 9 upper-division credits in mathematics at CSU, excluding MATH 315, MATH 340, and mathematics courses ending in -80 to -99. 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
*: Students who have entered a college or university before July 1, 2008, can choose SPCM 200 or a course from AUCC Category 2-B K:\Karena\Checksheets\Math Education October2009.doc	The program of study shown is subject to approval by the University Curriculum Committee.	FALL 2009 – Revised 10/5/09 Revised 10/30/09