

**COLORADO STATE UNIVERSITY
MATHEMATICS MAJOR
CONCENTRATION IN MATHEMATICS OF INFORMATION**

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

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

CORE COURSES (30 credits)	MATHEMATICAL SCIENCES (73 credits) (Grade of C or higher required in all Mathematics, Computer Science, Statistics, ECE courses in this column).	ADDITIONAL COURSES (9-12 credits)
FRESHMAN SEMINAR 2 _____ MATH 192 First-Year Seminar in Mathematical Science [1] _____ STAT 192 First-Year Seminar in Mathematical Science [1] COMMUNICATION 6 _____ CO 150 College Composition [3] Select either: _____ JTC 300 Prof. and Tech. Comm. [3] _____ SPCM 200 Public Speaking [3] BIOLOGICAL/PHYSICAL SCIENCES 7 Select two courses from Category 3-A. One must include a lab. Must include two different prefixes. _____ [4] _____ [3] ARTS/HUMANITIES 6 Select two courses from Category 3-B _____ [3] _____ [3] SOCIAL/BEHAVIORAL SCIENCES 3 Select one course from Category 3-C _____ [3] HISTORICAL PERSPECTIVES 3 Select one course from Category 3-D _____ [3] GLOBAL/CULTURAL AWARENESS 3 Select one course from Category 3-E _____ [3]	MATHEMATICS 34 _____ 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 345 Differential Equations [4] _____ MATH 301 Intro to Combinatorial Theory [3] _____ MATH 360 Mathematics of Info Security [3] _____ MATH 369 Linear Algebra [3] _____ MATH 460 Information and Coding Theory [3] (Capstone) COMPUTER SCIENCE 4 Select 4 credits from: CS 160; or CS 155, CS 156 and any two of CS 157, MATH 151, MATH 152, MATH/CS 158. _____ [] _____ [] _____ [] _____ [] STATISTICS 9 _____ STAT 315 Statistics for Engr & Sci [3] _____ STAT 340 Multiple Regressive Analysis [3] _____ STAT 321 Elem Prob., Stoch. Models [3] ELECTRICAL ENGINEERING 14 _____ ECE 102 Digital Circuit Logic [4] _____ ECE 251 Intro to Microprocessors [4] _____ ECE 311 Linear System Analysis I [3] _____ ECE 421 Telecommunications I [3] ECE - MATH SCIENCE ELECTIVES 12 Select 12 credits from (a) and (b) below. Must include at least 6 credits from (a). a) Upper-division mathematics except courses ending in -80 to -99 and MATH 315. b) Upper-division Computer Science, Electrical Engineering, Mathematics, or Statistics except courses ending in -80 to -99. _____ [] _____ [] _____ []	UNRESTRICTED ELECTIVES 9-12 _____ [] _____ [] _____ [] _____ [] _____ [] _____ [] _____ [] _____ [] _____ [] _____ [] GRADUATION REQUIREMENTS Total credits..... [] (at least 120 credits) Upper-Division credits..... [] (at least 42 credits) CSU Grade Point Average..... [] (at least 2.0) 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 Fall 2007 - REVISED 3/23/07 K:\Karen\Checksheets\Information math Fall 2007.doc
MINOR, SECOND MAJOR MINOR: _____ SECOND MAJOR: _____ The program of study shown is subject to approval by the University Curriculum Committee		