COLORADO STATE UNIVERSITY
MATHEMATICS MAJOR
CONCENTRATION IN COMPUTATIONAL MATHEMATICS

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

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

CORE COURSES (36-38 credits)

FRESHMAN SEMINAR **2**

_____ MATH 192 First-Year Seminar in Mathematical Sciences [1]

_____ STAT 192 First-Year Seminar in Mathematical Sciences [1]

COMMUNICATION **6**

_____ CO150 College Composition [3]

Select either:

_____ JTC 300 Prof. And Tech. Comm.* [3]

_____ SPCM 200 Public Speaking [3]

*** Must choose JTC 300 if first entering the university/college on or after July 1, 2008.**

BIOLOGICAL/PHYSICAL SCIENCES **13-15**

_____ PH 141 Physics-Sci & Engr I [5]

_____ PH 142 Physics-Sci & Engr II [5]

Select one science course from Category 3-A in a department other than physics.

_____ _____ [3-5]

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]

MATHEMATICAL SCIENCES (61 credits)

(Grade of C or higher required in all Mathematics, Computer Science, Statistics courses in this column).

MATHEMATICS **43**

____ 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 331 Intro to Mathematical Modeling [3]

____ MATH 332 Partial Differential Equations [3]

____ MATH 345 Differential Equations [4]

____ MATH 450 Intro to Numerical Analysis I [3]

____ MATH 451 Intro to Numerical Analysis II [3]

____ MATH 369 Linear Algebra [3]

____ MATH 435 Projects in Applied Mathematics (Capstone) [3]

Select one of:

____ MATH 417 Advanced Analysis [3]

OR

____ MATH 419 Intro to Complex Variables [3]

OR

____ MATH 460 Information and Coding Theory [3]

COMPUTER SCIENCE **12**

____ CS 160 Foundations in Programming [4]

____ CS 161 Object-Oriented Problem Solving [4]

____ CS 200 Algorithms and Data Structures [4]

STATISTICS **6**

____ STAT 315 Statistics For Engr & Sci [3]

____ STAT 321 Elementary Probabilistic-Stochastic Modeling [3]

MINOR, SECOND MAJOR

MINOR: _____

SECOND MAJOR: _____

The program of study shown is subject to approval by the University Curriculum Committee

ADDITIONAL COURSES (21-23 credits)

UNRESTRICTED ELECTIVES **21-23**

_____ _____ [__]

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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 6/16/08