COLORADO STATE UNIVERSITY
MATHEMATICS MAJOR
CONCENTRATION IN COMPUTATIONAL MATHEMATICS

NAME: _____ SSN: _____ ADVISER: _____

TERM OF GRAD: _____

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

CORE COURSES (38-42 CREDITS)

CC = Core Curriculum

FRESHMAN SEMINARS 2-3

Select one or two courses:
(M CC 192 and STCC 192 are recommended):

____ _____

____ _____

COMMUNICATION 6

____ COCC 150 College Composition[3]

Select one of COCC300, COCC301A-D, COCC302, JTCC300 or SPCC200

____ _____ [3]

BIOLOGICAL/PHYSICAL SCI 13-15

____ PHCC 141 Physics I [5]

____ PHCC 142 Physics II [5]

Select one science course from CC III-A in a department other than physics.

____ _____ [3-5]

ARTS/HUMANITIES 3

Select one course from CC IIIB.

____ _____ [3]

SOCIAL/BEHAVORIAL SCIENCES 3

Select one course from CC IIIC.

____ _____ [3]

HISTORICAL PERSPECTIVES 3

Select one course from CC IIID.

____ _____ [3]

CULTURAL AWARENESS 3

Select one course from CC IIIE.

____ _____ [3]

PUBLIC VALUES * 3

Select one course from CC IIIF.

_____ _____ [3]

HEALTH AND WELLNESS 2-3

Select one course from CC IIIG.

____ _____ [__]

MATH SCIENCES (62-63 CREDITS)

(Grade of C or higher required in every Math, Computer Science & Statistics course in this column.)

MATHEMATICS 48-49

_____ M CC 160 Calc for Phys Sci I [4]

_____ M CC 161 Calc for Phys Sci II [4]

_____ M229 Matrices & Lin Equation [2]

_____ M261 Calc for Phys Sci III [4]

_____ M317 Adv Calc of One Var. [4]

_____ M331 Intro to Math Modelling [3]

_____ M332 Intro to Part Diff Equat [3]

_____ M345 Differential Equations [4]

_____ M350 Intro to Num Analysis I [4]

_____ M351 Intro to Num Analysis II [4]

_____ M369 Linear Algebra [3]

_____ M435 Projects in Applied Math (Capstone) [3]

Select one of:

____ M301 Intro to Comb Theory (preferred) [3]

OR

____ M166 Discrete Structures [4]

Select one of:

_____ M417 Advanced Analysis [3]

OR

_____ M419 Intro Complex Variables [3]

OR

_____ M460 Info Integrity Security [3]

COMPUTER SCIENCE 8

_____ CSCC 153 Java Programming [4]

____ CS200 Algorithms [4]

STATISTICS 6

_____ ST321 Elem Prob Stoch Model [3]

_____ STCC 309 Engineering Statistics[3]

MINOR AND/OR SECOND MAJOR

MINOR: _____

SECOND MAJOR: _____

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

ADDITIONAL COURSES (15-20 CREDITS)

UNRESTRICTED ELECTIVES 15-20

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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)

M117, M118, M120, M121, M124, M125 and M126 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 M315, M340, and mathematics courses ending in -80 to -99.

See the Colorado State University General Catalog for complete statement of graduation requirements. Visit the Math Department web site for information on updated courses and requirements:
www.math.colostate.edu

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