COLORADO STATE UNIVERSITY
MATHEMATICS MAJOR
CONCENTRATION IN ACTUARIAL SCIENCE

NAME: _____ CSUID: _____ ADVISER: _____TERM OF GRAD: _____

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

CORE COURSES (39 credits)

FRESHMAN SEMINAR **2**

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

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

COMMUNICATION **6**

_____ CO 150 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 **10**

Select from Category 3-A either two courses with labs or three courses including at least one with a lab. Must include at least two different prefixes.

_____ _____ [__]

_____ _____ [__]

_____ _____ [__]

ARTS/HUMANITIES **6**

Select two courses from Category 3-B

_____ _____ [3]

_____ _____ [3]

SOCIAL/BEHAVIORAL SCIENCES **9**

____ ECON 202 Microeconomics [3]

____ ECON 204 Macroeconomics [3]

____ ECON 335/AREC 335 Intro Econometrics [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 (45 credits)

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

MATHEMATICS **29**

____ 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 369 Linear Algebra [3]

____ MATH 495A Preparation Exam I [1]

____ MATH 417 Advanced Analysis (Capstone) [3]

COMPUTER SCIENCE **4**

Select **4 credits** from: CS 160; or CS 155 and CS 156 plus two of CS 157, MATH 151, MATH 152, MATH/CS 158.

_____ _____[__]

_____ _____[__]

_____ _____[__]

_____ _____[__]

STATISTICS **12**

____ STAT 315 Statistics for Engr & Sci [3]

____ STAT 321 Elem Prob Stoch Model [3]

____ STAT 420 Probability/Mathematical Stats I [3]

____ STAT430 Probability/Mathematical Stats II [3]

MINOR, SECOND MAJOR

MINOR: _____

SECOND MAJOR: _____

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

FALL 2007 - REVISED 6/16/2008

ADDITIONAL COURSES (36 credits)

BUSINESS **18**

A coherent set of courses outside the Mathematics Department in which mathematics is applied; approved by the Associate Chair (over for more information).

____ ACT 210 Intro Financial Accounting [3]

____ FIN 300 Principles of Finance [3]

____ FIN 311 Debt Securities Analysis [3]

____ FIN 342 Risk Mgmt & Insurance [3]

____ FIN 370 Financial Management [3]

____ BUS 205 Legal/Ethical Issues [3]

UNRESTRICTED ELECTIVES **18**

_____ _____ [__]

_____ _____ [__]

_____ _____ [__]

_____ _____ [__]

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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