COLORADO STATE UNIVERSITY
MATHEMATICS MAJOR
CONCENTRATION IN STATISTICS

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

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

Adviser: JENNIFER A. HOETING Room 214 Statistics Phone: 491-2897 E-mail: jah@stat.colostate.edu

CORE COURSES (30 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 **7**
Select any courses from Category 3-A. One must include a lab. Must include two different prefixes.

_____ _____ [ ]
_____ _____ [ ]

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]

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MATHEMATICAL SCIENCES (58 credits)
(Grade of C or higher required in all Mathematics, Computer Science, Statistics courses in this column)

MATHEMATICS **21**

____ 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 369 Linear Algebra [3]

STATISTICS **24**

____ STAT 301 Intro to Statistical Methods [3]
OR
____ STAT/ERHS 307 Intro to Biostatistics [3]
OR
____ STAT 315 Statistics for Engr & Sci [3]
____ STAT 350 Design of Experiments [3]
____ STAT 340 Multiple Regression Analysis [3]

____ STAT 305 Sampling Techniques [3]
OR
____ STAT 321 Elem. Probabilistic/Stochastic Modeling [3]
OR
____ STAT 460 Applied Multivariate Analysis [3]
____ STAT 372 Data Analysis Tools [3]
____ STAT 420 Probability/Math Stat I [3]
____ STAT 430 Probability/Math Stat II [3]
____ STAT 472 Statistical Consulting (Capstone) [3]

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.

_____ _____ [__]
_____ _____ [__]
_____ _____ [__]
_____ _____ [__]

MATH SCIENCE ELECTIVES **9**
Upper division computer science, mathematics, or statistics courses (excluding courses ending in –80 to –99 and MATH 315)

_____ _____ [__]
_____ _____ [__]
_____ _____ [__]

ADDITIONAL COURSES (32 credits)

UNRESTRICTED ELECTIVES **32**

_____ _____ [__]
_____ _____ [__]
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_____ _____ [__]

GRADUATION REQUIREMENTS

Total credits…….. [___]
(at least 120 credits)
Upper-Division credits……. [___]
(at least 42 credits)
CSU GPA…….. [___]
(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