**COLORADO STATE UNIVERSITY**
**MATHEMATICS MAJOR - CONCENTRATION IN STATISTICS**
**MATH - STAZ**

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

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


Adviser: Mark Dahlke Room 104 Statistics Phone: 491-5330 E-mail: mark.dahlke@colostate.edu
Program Coordinator: Kristin Stephens Room 102 Statistics Phone: 491-5269 E-mail: stephens@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]
_____ JTC 300 Prof. and Tech. Comm. [3]

### BIOLOGICAL/PHYSICAL SCIENCES 7

Select any courses from Category 3-A, one of which MUST have a formal Lab.

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

### ARTS/HUMANITIES 6

Select one course from 3-B

_____ _____ [__]
_____ _____ [__]

### SOCIAL/BEHAVIORAL SCIENCES 3

Select one course from 3-C

_____ _____ [__]

### HISTORICAL PERSPECTIVES 3

Select one course from 3-D

_____ _____ [__]

### GLOBAL/CULTURAL AWARENESS 3

Select one course from 3-E

_____ _____ [__]

### MINOR, SECOND MAJOR

MINOR: _____

SECOND MAJOR: _____

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

## MATHEMATICAL SCIENCES (56 credits)

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

### MATHEMATICS 19

____ MATH 160 Calc for Physical Scientists I [4]
____ MATH 161 Calc for Physical Scientists II [4]
____ 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 (309) Statistics for Eng & Sci [3]

_____

____ STAT 305 Sampling Techniques [3]
OR
____ STAT 321 Elem. Prob/Stochastic Modeling [3]
OR
____ STAT 460 Applied Multivariate Analysis [3]

_____

Take all of the following:

____ STAT 340 (304) Multiple Regression Analysis [3]
____ STAT 350 (302) Design of Experiments [3]
____ STAT 420 Probability/Math Stat I [3]
____ STAT 430 Probability/Math Stat II [3]
____ STAT 372 (310) Data Analysis Tools [3]
____ STAT 472 Statistical Consulting [3]

### COMPUTER SCIENCE 4

____ CS 160 Foundations in Programming [4]

**OR**

____ CS 155 Introduction to Unix [1]
____ CS 156 Introduction to C Programming I [1]

And two of the following:

____ CS 157 Introduction to C Programming II [1]
____ MATH 151 Math. Algorithms in Matlab I [1]
____ MATH 152 Math. Algorithms in Maple [1]
____ MATH 158 Math Algorithms in C [1]

### MATH SCIENCE ELECTIVES 9

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

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

## ADDITIONAL COURSES (34 credits)

### UNRESTRICTED ELECTIVES 34

_____ _____ [__]
_____ _____ [__]
_____ _____ [__]
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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 120, MATH 121, MATH 124, MATH 125 and MATH 126 are considered review courses by the Department of Mathematics. 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

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