Colorado State University

STATISTICS MAJOR

NAME: _____ CSUID: _____ ADVISOR: _____ TERM OF GRAD: _____

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

Advisor: Xiaowen Hu — Room 105 Statistics — Phone: 491-1784 — E-mail: xiaowen.hu@colostate.edu

Program Coordinator: Katy Koehler — Room 102 Statistics — Phone: 491-5269 — E-mail: koehler@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

[1]
____ STAT 301 Intro to Statistical Methods [3]
OR
____ STAT/ERHS 307 Intro to Biostatistics [3]
OR
____ STAT 315 Statistics for Eng & Sci [3]

[2]
____ STAT 305 Sampling Techniques (F) [3]
OR
____ STAT 421 Stochastic Processes (S) [3]
OR
____ STAT 460 Applied Multivariate Analysis (S) [3]

[3] Take all of the following:

____ STAT 341 Data Analysis I (F) [3]

____ STAT 342 Data Analysis II (S) [3]

____ STAT 420 Probability/Math Stat I (F) [3]

____ STAT 430 Probability/Math Stat II (Capstone) (S) [3]

____ STAT 472 Statistical Consulting (Capstone) (S) [3]

____ STAT 400 Statistical Computing (F) [3]
OR
____*STAT 440 Bayesian Methods (S) [3]
OR
____*STAT 465 Statistical Learning and Data Mining (S) [3]
OR
____ STAT 305 or 421 or 460 if not chosen in [2] [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)

_____ _____ [__]

_____ _____ [__]

_____ _____ [__]

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.

Transfer students must complete a minimum of 9 upper-division credits in mathematics at CSU, excluding mathematics courses ending in -80 to -99.

See the Colorado State University General Catalog for a complete statement of graduation requirements.

Visit the Statistics Department web site for information on updated courses and requirements: www.stat.colostate.edu

Note: **courses schedules are tentative. STAT340, 350, 372 will no longer be offered starting fall 2015, students who have taken all of the three don't need to take the new courses.*

REVISED 04/15/15