Colorado State University

STATISTIC MAJOR – MATHEMATICAL STATISTICS CONCENTRATION

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

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

Advisor: Ben Prytherch — Room 105 Statistics — Phone: 491-1784 — E-mail: prytherc@stat.colostate.edu

Program Coordinator: Katy Jackson — Room 102 Statistics — Phone: 491-5269 — E-mail: jackson@stat.colostate.edu

ALL UNIVERSITY CORE CURRICULUM (AUCC) (28 credits)

WRITING **6**

_____ CO 150 College Composition [3]

_____ JTC 300 Prof. and Tech. Comm. [3]

BIOLOGICAL / PHYSICAL SCIENCES **7**

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

_____ _____ [__]

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ARTS / HUMANITIES **6**

Select two courses 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

STATISTICS CORE (67 credits)

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

MATHEMATICS **32**

____ 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 345 Differential Equations [4]

____ MATH 369 Linear Algebra [3]

____ MATH 417 Advanced Calculus I [3]

Also take two of the following:

____ MATH 430 Fourier and Wavelet Analysis [3]

____ MATH 450 Introduction to Numerical Analysis I [3]

____ MATH 451 Introduction to Numerical Analysis I [3]

____ MATH 469 Linear Algebra II [3]

STATISTICAL METHODS **28**

Take all of the following:

____ STAT 158 R Programming (S) [1]

____ STAT 305 Sampling Techniques [3]

____ STAT 315 Statistics for Eng & Sci [3]

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

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

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

____ STAT 421 Introduction to Stochastic Processes (S) [3]

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

____ STAT 460 Applied Multivariate Analysis (S) [3]

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

COMPUTATIONAL METHODS **3**

Take one of the following:

____ STAT 400 Statistical Computing (F) [3]

OR

____ STAT 440 Bayesian Methods (S) [3]

COMPUTER SCIENCE **4**

____ CS 163 Java (CS1) No Prior Programming [4]

OR

____ CS 164 Java (CS1) Prior Programming [4]

ADDITIONAL COURSES (25 credits)

UNRESTRICTED ELECTIVES **25**

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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

REVISED 3/31/17