Colorado State University

STATISTICS MAJOR – GENERAL 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.

_____ _____ [__]

_____ _____ [__]

_____ _____ [__]

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 (59 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]

STATISTICAL METHODS **24**

Take all of the following:

____ STAT 158 R Programming (S) [1]
____ STAT 315 Statistics for Eng & Sci [3]
____ STAT 341 Data Analysis I (F) [3]
____ STAT 342 Data Analysis II (S) [3]
____ STAT 358 Statistical Computing in SAS (S) [2]
____ STAT 420 Probability/Math Stat I (F) [3]
____ STAT 430 Probability/Math Stat II (Capstone) (S) [3]
____ STAT 472 Statistical Consulting (Capstone) (S) [3]

SAMPLING / STOCHASTIC / MULTIVARIATE **3**

Take one of the following:

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

STAT / MATH / CS ELECTIVES **6**

Two upper division (300 or 400 level) computer science, mathematics, or statistics courses, excluding courses ending in –80 to –99

_____ _____ [__]

_____ _____ [__]

ADDITIONAL COURSES (33 credits)

UNRESTRICTED ELECTIVES **33**

_____ _____ [__]
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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 03/31/17