### CORE COURSES (30 credits)

**FRESHMAN SEMINAR**
- MATH 192 First-Year Seminar in Mathematical Science [1]
- STAT 192 First-Year Seminar in Mathematical Science [1]

**COMMUNICATION**
- CO 150 College Composition [3]
- JTC 300 Prof. and Tech. Comm. [3]

**BIological/Physical Sciences**
Select two courses from Category 3-A.
One must include a lab. Must include two different prefixes.

**ARTS/HUMANITIES**
Select two courses from Category 3-B

**SOCIAL/BEHAVIORAL SCIENCES**
Select one course from Category 3-C

**HISTORICAL PERSPECTIVES**
Select one course from Category 3-D

**GLOBAL/CULTURAL AWARENESS**
Select one course from Category 3-E

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### MATHEMATICAL SCIENCES (65 credits)

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

**MATHEMATICS**
- 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 345 Differential Equations [4]
- MATH 360 Mathematics of Info Security [3]
- MATH 369 Linear Algebra [3]
- MATH 460 Information and Coding Theory (Capstone)

**COMPUTER SCIENCE**
- CS 155 Introduction to Unix [1]
- CS 156 Introduction to C Programming [1]
- MATH 152 Math. Algorithms in Maple [1]
- MATH/CS 158 Math Algorithms in C [1]

**STATISTICS**

Select one course from
- STAT 303/ECE 303 Intro. to Comm. Princ. [3]
- STAT 340 Multiple Regression Analysis [3]

**ELECTRICAL ENGINEERING**
- ECE 103 DC Circuit Analysis [3]
- ECE 311 Linear System Analysis I [3]
- ECE 312 Linear System Analysis II [3]

**ECE-MATH SCIENCE ELECTIVES**
- Select 12 credits from (a) and (b) below. Must include at least 6 credits from (a). 3 credits must be on the 400-level or above.
  a) Upper-division mathematics except courses ending in -80 to -99.
  b) Upper-division Computer Science, Electrical Engineering, Mathematics, or Statistics except courses ending in -80 to -99.

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

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### ADDITIONAL COURSES (25 credits)

**UNRESTRICTED ELECTIVES**

Select 25 credits from:

- ____________
- ____________
- ____________
- ____________
- ____________
- ____________
- ____________
- ____________
- ____________
- ____________
- ____________
- ____________
- ____________

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**GRADUATION REQUIREMENTS**

Total credits: ________________ (at least 120 credits)
Upper-Division credits: ________________ (at least 42 credits)
CSU Grade Point Average: ________________ (at least 2.0)

MATH 117, MATH 118, MATH 124, MATH 125 and MATH 126 can only be counted as unrestricted electives toward any Math degree.

Transfer students must complete a minimum of 9 upper-division credits in mathematics at CSU, excluding 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](http://www.math.colostate.edu)

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Fall 2010 - REVISED 10/19/10