

**COLORADO STATE UNIVERSITY
MATHEMATICS MAJOR
CONCENTRATION IN APPLIED MATHEMATICS**

NAME: _____ ADVISER: _____ DATE OF GRAD.: _____

LOCAL ADDRESS: _____ ZIP: _____ PHONE: _____ EMAIL: _____

CORE COURSES (38-43 CREDITS) CC = Core Curriculum	MATH SCIENCES (61-62 CREDITS) (Grade of C or higher required in every Math, Computer Science & Statistics course in this column.)	ADDITIONAL COURSES (15-21 CREDITS)
<p>FRESHMAN SEMINARS <u>2</u></p> <p>_____ M 192 Freshman Seminar In Mathematics [1]</p> <p>_____ ST 192 Freshman Seminar In Math Sciences [1]</p> <p>COMMUNICATION SKILLS <u>6-8</u></p> <p>_____ COCC 150 College Composition [3]</p> <p>Select one course from CC 2-A</p> <p>_____ [3-5]</p> <p>BIOLOGICAL/PHYSICAL SCI <u>13-15</u></p> <p>_____ PHCC 141 Physics I [5]</p> <p>_____ PHCC 142 Physics II [5]</p> <p>Select one science course from CC 3-A in a department other than physics.</p> <p>_____ [3-5]</p> <p>ARTS/HUMANITIES <u>3</u></p> <p>Select one course from CC 3-B.</p> <p>_____ [3]</p> <p>BEHAVIORIAL/SOCIAL SCIENCES <u>3</u></p> <p>Select one course from CC 3-C.</p> <p>_____ [3]</p> <p>HISTORICAL PERSPECTIVES <u>3</u></p> <p>Select one course from CC 3-D.</p> <p>_____ [3]</p> <p>CULTURAL AWARENESS <u>3</u></p> <p>Select one course from CC 3-E.</p> <p>_____ [3]</p> <p>PUBLIC VALUES * <u>3</u></p> <p>Select one course from CC 3-F.</p> <p>_____ [3]</p> <p>HEALTH AND WELLNESS <u>2-3</u></p> <p>Select one course from CC 3-G.</p> <p>_____ []</p>	<p>MATHEMATICS <u>45-46</u></p> <p>_____ M CC 160 Calc for Phys Sci I [4]</p> <p>_____ M CC 161 Calc for Phys Sci II [4]</p> <p>_____ M229 Matrices & Lin Eq in Sci [2]</p> <p>_____ M261 Calc for Phys Sci III [4]</p> <p>_____ M317 Adv Calc of One Var. [4]</p> <p>_____ M345 Differential Equations [4]</p> <p>_____ M350 Intro to Num Analysis I [4]</p> <p>_____ M351 Intro to Num Analysis II [4]</p> <p>_____ M369 Linear Algebra [3]</p> <p>_____ M435 Projects in Applied Math (Capstone) [3]</p> <p>Select either:</p> <p>_____ M301 Intro to Comb Theory [3] (preferred)</p> <p>OR</p> <p>_____ M166 Discrete Structures [4]</p> <p>Select either:</p> <p>_____ M332 Intro to Partial Diff Eqns [3]</p> <p>_____ M417 Advanced Analysis [3]</p> <p>OR</p> <p>_____ M360 Mathematics of Info Sec [3]</p> <p>_____ M460 Info Integrity Security [3]</p> <p>COMPUTER SCIENCE <u>4</u></p> <p>_____ CSCC153 Intro to Java Prog [4]</p> <p>STATISTICS <u>6</u></p> <p>_____ STCC 309 Engineering Statistics [3]</p> <p>One of ST 302, ST 304, or ST 321</p> <p>_____ [3]</p> <p>MATH SCIENCE ELECTIVE <u>6</u></p> <p>Select an additional 6 credits from upper division (300 level or higher) in Computer Science, Statistics or Math excluding numbers ending in -80 to -99 and M CC315</p> <p>_____ []</p> <p>MINOR AND/OR SECOND MAJOR</p> <p>MINOR: _____</p> <p>SECOND MAJOR: _____</p> <p>The program of study shown is subject to approval by the University Curriculum Committee</p>	<p>RELATED AREA <u>12</u></p> <p>A coherent set of courses outside the Mathematics Department in which mathematics is applied approved by the Associate Chair. (over for more information).</p> <p>_____ []</p> <p>_____ []</p> <p>_____ []</p> <p>_____ []</p> <p>_____ []</p> <p>UNRESTRICTED ELECTIVES <u>3-9</u></p> <p>_____ []</p> <p>_____ []</p> <p>_____ []</p> <p>_____ []</p> <p>_____ []</p> <p>_____ []</p> <p>_____ []</p> <p>_____ []</p> <p>_____ []</p> <p>_____ []</p> <p>GRADUATION REQUIREMENTS</p> <p>Total Credits [] (At least 120 credits)</p> <p>Upper-Division Credits [] (At least 42 credits)</p> <p>CSU Grade Point Average [] (At least 2.0)</p> <p>M117, M118, M120, M121, M124, M125 and M126 are considered by the Department of Mathematics to be review courses. Credits in these courses may not be used as part of a degree in math.</p> <p>Transfer students must complete a minimum of 9 upper- division credits in mathematics at CSU excluding M315, M340/M345, and mathematics courses ending in -80 to - 99.</p> <p>See Colorado State University General Catalog for complete statement of graduation requirements. Visit the Math Department web site for information on updated courses and requirements: www.math.colostate.edu</p> <p style="text-align: right;">SPRING 04– REVISED 4/22/04</p>

* Several Public Value courses may be double counted in one other area