

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

NAME: \_\_\_\_\_ SSN: \_\_\_\_\_ ADVISER: \_\_\_\_\_ TERM OF GRAD: \_\_\_\_\_

LOCAL ADDRESS: \_\_\_\_\_ ZIP: \_\_\_\_\_ PH: \_\_\_\_\_ E-Mail: \_\_\_\_\_

CORE COURSES (38-44 CREDITS)	MATH SCIENCES (63-65 CREDITS) (Grade of C or higher required in every Math, Computer Science & Statistics course in this column.)	ADDITIONAL COURSES (11-19 CREDITS)
CC = Core Curriculum		
<b>FRESHMAN SEMINARS</b> <span style="float: right;"><u>2-3</u></span> Select one or two courses: (M CC 192 and STCC 192 are recommended): _____ _____	<b>MATHEMATICS</b> <span style="float: right;"><u>49-51</u></span> ____ M CC 160 Calc for Phys Sci I [4] ____ M CC 161 Calc for Phys Sci II [4] ____ M229 Matrices & Lin Equation [2] ____ M261 Calc for Phys Sci III [4] ____ M317 Adv Calc of One Var. [4] ____ M331 Intro to Math Modelling [3] ____ M332 Intro to Part Diff Equat [3] ____ M345 Differential Equations [4] ____ M350 Intro to Num Analysis I [4] ____ M351 Intro to Num Analysis II [4] ____ M369 Linear Algebra [3] ____ M435 Projects in Applied Math [3] (Capstone)	<b>UNRESTRICTED ELECTIVES</b> <span style="float: right;"><u>11-19</u></span> _____
<b>COMMUNICATION SKILLS</b> <span style="float: right;"><u>6-8</u></span> ____ COCC 150 College Composition [3]  Select one course from CC II-B _____ _____ [3-5]	<b>Select one of:</b> ____ M301 Intro to Comb Theory [3] (preferred) <b>OR</b> ____ M166 Discrete Structures [4] <b>Select one of:</b> ____ M417 Advanced Analysis [3] <b>OR</b> ____ M419 Intro Complex Variables [3] <b>OR</b> ____ M460 Info Integrity Security [3]	
<b>NATURAL SCIENCES</b> <span style="float: right;"><u>13-15</u></span> ____ PHCC 141 Physics I [5] ____ PHCC 142 Physics II [5]  Select one science course in a department other than physics. _____ _____ [3-5]	<b>COMPUTER SCIENCE</b> <span style="float: right;"><u>8</u></span> ____ CSCC 153 Java Programming [4] ____ CS200 Algorithms [4]	
<b>ARTS and HUMANITIES</b> <span style="float: right;"><u>3</u></span> Select one course from CC IIIB. _____ _____ [3]	<b>STATISTICS</b> <span style="float: right;"><u>6</u></span> ____ ST321 Elem Prob Stoch Model [3] ____ STCC 309 Engineering Statistics [3]	
<b>SOCIAL SCIENCES</b> <span style="float: right;"><u>3</u></span> Select one course from CC IIIC. _____ _____ [3]	<b>MINOR AND/OR SECOND MAJOR</b> MINOR: _____ SECOND MAJOR: _____	
<b>HISTORY</b> <span style="float: right;"><u>3</u></span> Select one course from CC IIID. _____ _____ [3]	<b>The program of study shown is subject to approval by the University Curriculum Committee</b>	<b>GRADUATION REQUIREMENTS</b> Total Credits . . . . . [____] (At least 120 credits) Upper-Division Credits . . . . . [____] (At least 45 credits) CSU Grade Point Average.....[____] (At least 2.0)  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.  Transfer students must complete a minimum of 9 upper-division credits in mathematics at CSU, excluding M315, M340, and mathematics courses ending in -80 to -99.  See the Colorado State University General Catalog for complete statement of graduation requirements. Visit the Math Department web site for information on updated courses and requirements: <a href="http://www.math.colostate.edu">www.math.colostate.edu</a>
<b>GLOBAL AWARENESS</b> <span style="float: right;"><u>3</u></span> Select one course from CC IIIE. _____ _____ [3]		
<b>PUBLIC VALUES *</b> <span style="float: right;"><u>3</u></span> Select one course from CC IIIF. _____ _____ [3]		
<b>WELLNESS</b> <span style="float: right;"><u>2-3</u></span> Select one course from CC IIIG. _____ _____ [ ]		

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