

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

Name: \_\_\_\_\_ SSN: \_\_\_\_\_ Adviser: \_\_\_\_\_ Term of Grad.: \_\_\_\_\_

Local Address: \_\_\_\_\_ Zip: \_\_\_\_\_ Phone: \_\_\_\_\_ E-Mail: \_\_\_\_\_

<b>CORE COURSES</b> (38-40 CREDITS)	<b>MATH SCIENCES</b> (43 CREDITS) (Grade of C or higher required in every Math, Computer Science and Statistics course in this column.)	<b>PROFESSIONAL COURSES AND ELECTIVES</b> (37-39 CREDITS)
<p>CC = Core Curriculum</p> <p><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): _____ _____</p> <p><b>COMMUNICATION SKILLS</b> <span style="float: right;"><u>6</u></span> ____ COCC 150 College Composition [3] ____ SPCC 200 Public Speaking &amp; Disc [3]</p> <p><b>NATURAL SCIENCES</b> <span style="float: right;"><u>13</u></span> A total of 13 credits from CC III-A. Must include courses from at least 2 different prefixes and at least one of the sequences PHCC 121-PHCC 122, PH CC141-PH CC142, C CC 111-C CC 112-C CC 113-C CC 114. ____ [ ] ____ [ ] ____ [ ] ____ [ ]</p> <p><b>ARTS and HUMANITIES</b> <span style="float: right;"><u>3</u></span> Select one course from CC IIIB. ____ [3]</p> <p><b>SOCIAL SCIENCES</b> <span style="float: right;"><u>3</u></span> Select one course from CC IIIC. ____ [3]</p> <p><b>HISTORY</b> <span style="float: right;"><u>3</u></span> Select one course from CC IIID. ____ [3]</p> <p><b>GLOBAL AWARENESS</b> <span style="float: right;"><u>3</u></span> Select one course from CC IIIE. ____ [3]</p> <p><b>PUBLIC VALUES</b> <span style="float: right;"><u>3</u></span> ____ EDCC275 Schooling in the U.S. [3]</p> <p><b>WELLNESS</b> <span style="float: right;"><u>2-3</u></span> Select one course from CC IIIG. ____ [ ]</p>	<p><b>MATHEMATICS</b> <span style="float: right;"><u>33</u></span> ____ M CC 160 Calc for Phys Sci I [4] ____ M CC 161 Calc for Phys Sci II [4] ____ M229 Matrices &amp; Linear Eqtn [2] ____ M261 Calc for Phys Sci III [4] ____ M317 Adv Calc of One Var [4] ____ M330 Applied Discrete Math [3] ____ M366 Intro to Abstract Algebra [3] ____ M369 Linear Algebra [3] ____ M470 Topics in Geometry [3] ____ M425 History of Mathematics [3] (Capstone)</p> <p><b>COMPUTER SCIENCE</b> <span style="float: right;"><u>4</u></span> ____ CSCC 151 Intro. to C++ [4] <b>OR</b> ____ CSCC 153 Intro Java Program. [4]</p> <p><b>STATISTICS</b> <span style="float: right;"><u>3</u></span> ____ STCC 309 Engineering Statistics [3]</p> <p><b>MATH SCIENCE ELECTIVES</b> <span style="float: right;"><u>3</u></span> Select 3 credits from among: STCC 420[3], STCC 430[3], or Upper-Division math courses except M CC 315 and those ending in -80 to -99. ____ [ ]</p> <p><b>MINOR, SECOND MAJOR</b> MINOR: _____ SECOND MAJOR: _____</p> <p><b>The program of study shown is subject to approval by the University Curriculum Committee</b></p>	<p><b>EDUCATION FOUNDATION</b> <span style="float: right;"><u>13</u></span> ____ EDCC 275 Schooling in the US [*] ____ ED331 Educ. Tech. [1] ____ ED340 Lit./Div./Learner [3] ____ ED350 Learning Envir. [3] ____ ED386 Practicum-Learning Envir. [1] ____ ED450 Theory and Practice [4] ____ ED486J Practicum-Theory-Prac. [1]</p> <p><b>MATH METHODS</b> <span style="float: right;"><u>4</u></span> ____ ED464 Methods &amp; Materials in Teaching Mathematics [4]</p> <p><b>FIELD EXPERIENCE</b> See Teacher Licensure Checksheet</p> <p><b>PROFESSIONAL SEMESTER</b> <span style="float: right;"><u>13</u></span> The Professional Semester, including student teaching, is scheduled fall semester only for mathematics teachers. ____ ED485B Student Teachg-Secon [11] ____ ED493a Professional Seminar [1] ____ ED493b Assessment Seminar [1]</p> <p><b>UNRESTRICTED ELECTIVES</b> <span style="float: right;"><u>7-9</u></span> <u>Recommended:</u> EX240[2] or Red Cross Emergency Care and First Aid Credentials. ____ [ ] ____ [ ] ____ [ ] ____ [ ] ____ [ ]</p> <p><b>GRADUATION REQUIREMENTS</b> Total Credits . . . . . [ ] (At least 120 credits) Upper-Division Credits . . . . . [ ] (At least 42 credits) CSU Grade Point Average . . . . . [ ] (At least 2.0)</p> <p>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 on graduation requirements. Visit the Math Department web site for more information on updated courses and requirements: <a href="http://www.math.colostate.edu">www.math.colostate.edu</a> FALL 2001 – REVISED 05/09/01</p>

\* Note that EDCC275 is a required education course and satisfies the core Public Values requirement.

\* ED450, ED486J, and ED464 should be taken together.

## TEACHER LICENSURE PROGRAM

The Concentration in Mathematics Education requires getting admitted into the Teacher Licensure Program in the School of Education.

Students must make arrangements to apply for admission into this Program **before** they register for ED320. Please inquire at the Teacher Licensure Office, in 111 Education, phone 491-5292 (Lucille).

As of Fall 1996, the Teacher Licensure Program was **extensively** revised and restructured, pursuant to the Colorado Education Licensing Act of July 1, 1994. Current information about the Program can be found in the Advising Protocol Manual of the Restructured Teacher Licensure Program, or from the Teacher Licensure Office.