

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

NAME: _____ CSUID: _____ ADVISER: _____ TERM OF GRAD: _____

LOCAL ADDRESS: _____ ZIP: _____ PH: _____ E-Mail: _____

CORE COURSES (35 credits)	MATHEMATICAL SCIENCES (40 credits) (Grade of C or higher required in all Mathematics, Computer Science, Statistics courses in this column)	ADDIT'L COURSES (45 credits)
FRESHMAN SEMINAR <u>1</u> <u>1-F</u> MATH 192 First-Year Seminar in Mathematical Sciences (FA only) [1]	MATHEMATICS <u>30</u> <u>1F</u> MATH 160 Calc for Physical Scientists I [4] <u>1S</u> MATH 161 Calc for Physical Scientists II [4] <u>2F</u> MATH 230 Discrete Math for Educators (FA only) [3] <u>2F</u> MATH 261 Calc for Physical Scientists III [4] <u>3S</u> MATH 317 Advanced Calc. of One Var [3] <u>3F</u> MATH 366 Intro to Abstract Algebra [3] <u>2S</u> MATH 369 Linear Algebra [3] <u>4F</u> MATH 425 History of Mathematics (FA only) (Capstone) [3] <u>3S</u> MATH 470 Euclidean & Non-Euclidean Geometry (SP only) [3]	EDUCATION FOUNDATION <u>17</u> <u>2F</u> EDUC 275 Schooling in the US [3] <u>3</u> EDUC 331 Educ. Tech. [2] <u>2S</u> EDUC 340 Literacy & the Learner [3] <u>3</u> EDUC 350 Instruc. Management [3] <u>3</u> EDUC 386 Practicum-Instruction I [1] <u>4F</u> EDUC 450 Instruction II* [4] <u>4F</u> EDUC 486E Practicum* [1]
COMMUNICATION <u>6</u> _____ CO 150 College Composition [3] _____ 1 course from AUCC Category 2 * [3] → (JTC 300 recommended)	COMPUTER SCIENCE <u>4</u> Select 4 credits from CS 150 [3], CS 152 [2], CS 163 [4], CS 164 [4], MATH 151 [1], MATH 152 [1], and MATH/CS 158 [1]. _____ [] _____ [] _____ []	*EDUC 450, EDUC 486E and EDUC 464 should be taken together. MATH METHODS <u>4</u> <u>3S</u> EDUC 464 Methods & Materials in Teaching Mathematics (Spring) [4]
BIOLOGICAL/PHYSICAL SCIENCES <u>13</u> A total of 13 credits. Must include courses from at least two different subject codes. <u>(2-F)</u> PH 141 Physics/Scientists & Engineers [5] _____ [] _____ [] _____ []	STATISTICS <u>3</u> _____ STAT 315 Statistics for Engr & Sci [3]	FIELD EXPERIENCE See Teacher Licensure Checksheet PROFESSIONAL SEMESTER <u>12</u> <u>4S</u> EDUC 485B Var. Student Teaching (Secondary) [11] <u>4S</u> EDUC 493A Professional Seminar [1]
ARTS/HUMANITIES <u>6</u> Select two courses from Category 3B _____ [3] _____ [3]	MATH SCIENCE ELECTIVES <u>3</u> Select 3 credits from among: STAT 420[3], STAT 430[3], or Upper-Division Math courses excluding those ending in -80 to -99. <u>MATH 340 (recommended)</u> [4]	UNRESTRICTED ELECTIVES <u>12</u> Recommended: HES 240 or Red Cross Emergency Care and First Aid Credentials. _____ [] _____ [] _____ []
SOCIAL/BEHAVIORAL SCIENCES <u>3</u> <u>2F</u> EDUC 275 Schooling in the U.S. [3]	MINOR, SECOND MAJOR MINOR: _____ SECOND MAJOR: _____	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 nine 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
HISTORICAL PERSPECTIVES <u>3</u> Select one course from Category 3D _____ [3]		
GLOBAL/CULTURAL AWARENESS <u>3</u> Select one course from Category 3E _____ [3]		
* Students who have entered a college or university before July 1, 2008 can choose SPCM 200 or a course from AUCC Category 2		



Model of the Teacher Licensure Program
For the
Secondary and K-12 Programs

School of Education - College of Applied Human Sciences
 Colorado State University
 New Model July 1, 2001; Revised Fall 2005

	PHASE I		PHASE II	PHASE III		PHASE IV
<ul style="list-style-type: none"> ▪ Undergraduates must have completed 30 credits of coursework to enroll in Phase I education courses. ▪ Post bachelor candidates must be conditionally admitted to the Licensure Program and the University to enroll in Phase I education courses. 	<p>EDCC 275 <i>"Schooling in the United States"</i> 3 credits (Course includes 8-10 hours of field experiences in the P-12 school system)</p> <p>ED 340 <i>"Literacy and the Learner"</i> 3 credits (Course includes field experiences in the school system.)</p>	Formal Admission Required of <u>all</u> Candidates to Enroll in Phase II Course	<p>ED 331 <i>"Educational Technology and Assessment"</i> 2 credits</p> <p>ED 350 <i>"Instruction I: Individualization, Management"</i> 3 credits (Course is a Professional Development School (PDS) at the public junior high schools)</p> <p>ED 386 <i>"Practicum: Instruction I"</i> 1 credit (Includes field experiences aligned with ED 350)</p>	<p>ED 450 <i>"Instruction II: Standards, Assessment"</i> 4 credits (Course is a Professional Development School (PDS) at the public high schools)</p> <p>ED 486 J <i>"Practicum: Instruction II"</i> 1 credit (Includes field experiences aligned with ED 450)</p>	Passing Score on State Licensure Exam Required Semester Prior to Student Teaching	<p>ED 485 A-B, VE 485 <i>"Student Teaching"</i> 11-12 credits (Course entails 15-16 weeks of full-time experience in a cooperating school site)</p> <p>ED 493A/VE 492 <i>Seminar: Professional Relations</i> 1 credit (Course includes career counseling, licensing information, and reflecting upon student teaching experiences)</p> <p align="center"><i>Successful Completion of Phase IV and all other Licensure Program requirements leads to...</i></p> <p align="center">↘</p> <p align="center">Institutional Recommendation for a Colorado Provisional Teaching License</p>
	<div style="border: 1px dashed black; padding: 5px; width: fit-content; margin: 0 auto;"> <p>ED/VE *** <i>"Content Methods"</i> 4 credits (Course can be taken in Phase II or III of Program)</p> </div>					