

Student Name: \_\_\_\_\_  
 Student ID: \_\_\_\_\_  
 Major: \_\_\_\_\_

Evaluator: \_\_\_\_\_  
 Date: \_\_\_\_\_

**A. Requirements for Master's Plus Licensure Admission**

<p><b>1. GPA.</b> Have <i>and</i> maintain a 3.00 (on 4.0 scale) cumulative GPA                  _____ Overall college work (all institutions)                  _____ in content area                  _____ in Education (if applicable)                  _____ Overall post-graduate coursework (all-institutions)</p> <p><b>2. Bachelor's Degree from an accredited institution.</b></p> <p><b>3. Completed application forms.</b></p> <p><b>4. Personal Statement.</b> 1000 word original statement written according to the guidelines set forth in the Prospective Student Guide.</p> <p><b>5. Four (4) Letters of Recommendation.</b> See the Prospective Student Guide</p>	<p><b>6. Youth Experience.</b> Completed Youth Experience Verification Form documenting 25 clock hours of satisfactory experiences with secondary school aged youth within the past five years. See the Prospective Student Guide.</p> <p><b>7. Basic Skills.</b> Verified evidence of basic proficiency in writing/verbal and mathematical skills. Evidence may include completing an appropriate course with grade of B- or better or an approved standardized test score.</p> <p style="text-align: center;">Writing/Verbal _____ Math _____</p> <p><b>FEE:</b> The \$20 program fee will be added to your first tuition bill after you are admitted to the program.</p>
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**For all sections below:** C- is the minimally acceptable grade for courses satisfying the Arts & Sciences Core and Education requirements. Obtaining grades of B- or less is not sufficient to maintain a 3.00 GPA. No course with a student option grade of "P" is allowed for any requirement unless it is documented that "P" is equivalent to C- or better.

**B. Academic Preparation in Science**

Dept/Course	Grade	Term	Course or Requirement	Hours
			1. <b>Written Communication.</b> Three semester hours in writing or composition.	3
			2. <b>Humanities.</b> Three semester hours (Literature, Philosophy, Theater.)	3
			3. <b>Social Science.</b> Three semester hours in social sciences.	3

**C. Academic Preparation in Science:** None of the following courses are permitted to satisfy the requirements for Secondary Science coursework: CHEM 1021; MCDB 1030, 1041, & 2115; or PHYS 1010, 1020, 1230, 1240, 1700, 3000, 3050, & 3070.

			1. <b>Calculus I.</b> One course in first semester Calculus. MATH 1300 or APPM 1350	4-5
			2. <b>Two Courses each</b> in Biology, Chemistry, Earth/Space Science and Physics. You must have a laboratory in three of the four subject areas. All courses must be a minimum of 3 semester hours with a separate lab of at least 1 semester hour or a minimum of 4 semester hours with attached lab.	
			a. Biology Course 1 Lab:	
			Biology Course 2	
			b. Chemistry Course 1 Lab:	
			Chemistry Course 2	
			c. Earth/Space Science Course 1 Lab:	
			Earth/Space Science 2	
			d. Physics Course 1 Lab:	
			Physics Course 2	
			3. <b>A major in one of the following fields:</b> You must complete an entire major. Additional courses may be required to meet licensure standards for science teachers as reflected below.	
			A. <b>BIOLOGY</b> major must include at least 30 hours in the major (includes 2.a.) and the study of each of the following: a. General Biology b. Matter & Energy in Living Systems c. Ecology d. Evolution e. Genetics f. Molecular Biology g. Human Anatomy h. Environmental Biology i. Biotechnology	30
			B. <b>CHEMISTRY</b> major must include at least 30 hours in the major (includes 2.b.) and the study of each of the following: a. Analytical b. Inorganic d. Organic e. Physical	30
			C. <b>EARTH/SPACE SCIENCE:</b> Astronomy major must include at least 30 hours in the major (includes 2.c.) and the study of each of the following: a. Environmental Science b. Astronomy c. Historical & Physical Geology d. Meteorology e. Oceanography f. Geomorphology & Earth Systems	30

			<p>D. <b>PHYSICS</b> major must include at least 30 hours in the major (includes 2.d.) and the study of each of the following:</p> <p>a. Mathematics through Differential Equations                  b. Astronomy                  c. Atomic &amp; Nuclear                  d. Classical Mechanics                  e. Electricity &amp; Magnetism</p> <p>f. Heat &amp; Thermodynamics                  g. Optics &amp; Sound                  h. Quantum Mechanics                  i. Radiation &amp; Radioactivity                  j. Relativity                  k. Waves</p>	<b>30</b>
			<p>E. <b>ENVIRONMENTAL SCIENCE</b> or Conservation major (includes 2.a.) and the study of each of the following:</p> <p>1. Include the study of both:                  a. Ecology                  b. Astronomy</p> <p>2. Biology: 17 Hours                  Biology Course 1                  Biology Course 2                  Biology Course 3</p> <p>Biology Course 4                  Biology Course 5                  Biology Course 6</p>	<b>6</b>  <b>17</b>
			<p>4. <b>Recent Science course work in the past 5 years.</b>                  Course 1</p>	<b>3</b>
			<p>Course 2</p>	<b>3</b>

**D. Required Education (EDUC) Courses**

	Grade	Term	Course or Requirement	Hours
First Semester <b>FALL</b>			1. <b>EDUC 5005 Advanced Social Foundations of Education</b>	<b>3</b>
			2. <b>EDUC 5060 Classroom Interactions</b>	<b>3</b>
			3. <b>EDUC 5315 Perspectives on Science</b>	<b>3</b>
Second Semester <b>SPRING</b>			1. <b>EDUC 6368 Adolescent Psychology for Teachers</b>	<b>3</b>
			2. <b>EDUC 5485 Teaching Exceptional Children in the Regular Classroom</b>	<b>3</b>
			3. <b>EDUC 5235 Language &amp; Literacy Across the Curriculum</b>	<b>3</b>
			4. <b>EDUC 5385 Project Based Science Instruction</b>	<b>4</b>
Third Semester <b>FALL</b>	<p><b>STUDENT TEACHING:</b> Student teaching is a full-time, in-school experience for the entire semester. See the Student Handbook for policies regarding student teaching placements.</p>			
			1. <b>EDUC 4513 Education &amp; Practice</b>	<b>2</b>
			2. <b>EDUC 4712 Secondary Student Teaching</b>	<b>10</b>
Fourth Semester <b>SPRING</b>	<p><b>ADDITIONAL COURSEWORK TO COMPLETE THE MA DEGREE:</b> Three additional courses are required to complete the MA degree. Students should consult their faculty advisors in choosing these courses. Any three of the following courses are highly recommended</p>			<b>9</b>
			1) <b>EDUC 5065 Curriculum Theories</b>	
			2) <b>EDUC 5105 Teaching for Understanding</b>	
			3) <b>EDUC 5115 Issues in School Change and Reform</b>	
			4) <b>EDUC 5425 Introduction to Bilingual/Multicultural Education</b>	
			5) <b>EDUC 5445 Curriculum for Multicultural Education</b>	
<p><b>SIX SEMESTER HOURS OF ELECTIVES IN SCIENCE</b> at the 3000, 4000 or 5000 level. These must be selected with your faculty advisor's approval. May also be used to satisfy six hours of academic preparation in Science. EDUC 5315 may be used.</p> <p style="text-align: center;">Elective 1 <span style="float: right;">EDUC 5315</span></p>			<b>6</b>	

Prior to granting the MA degree, you must have:

- A. \_\_\_\_\_ Successful completion of all academic preparation requirements and Master's Plus degree plan courses, including field experiences.
- B. \_\_\_\_\_ Maintained a 3.00 GPA in all coursework after admission to the degree program.
- C. \_\_\_\_\_ No more than nine semester hours of graduate level transfer work.
- D. \_\_\_\_\_ Submission of Application for Candidacy, Degree Plan, Diploma Card and Comprehensive Examination Registration to the Graduate Program Assistant in the Office of Student Services at the beginning of your final semester.
- E. \_\_\_\_\_ Satisfactory completion of comprehensive examination.
- F. \_\_\_\_\_ Completion of all the above within four years from the semester of admission to the degree program.

**Science Education Faculty Advisors:** *Please call for an appointment.*

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IMPORTANT NOTE: The CU Boulder School of Education has revised its teacher education programs to meet new statutory requirements. These changes will include, but not be limited to, the inclusion of 800 hours of field experience within the teacher education program. This program has been reauthorized by the Colorado Commission on Higher Education. However, course requirements are subject to change at any time.