CU

School of Education & Human Development

UNIVERSITY OF COLORADO **DENVER**

MA in STEM Education: Math – Online

For Math, there are 5 required courses (15 credits hours). In consultation and with approval from your faculty advisor, select 4 elective courses to customize your learning (12 credits). For instance, you may want to earn a certificate in Learning Design and Technology to complement your degree. Finally, take a research course (3 credits) for a total of 30 credits. ***This degree plan does <u>not</u> include a license or an endorsement.**

Degree Components	Courses	Credits	Semester Completed
Concentration Core; 12 credits required			
Core Course 1	MTED 5621: A World of (Different) Numbers	3	
Core Course 2	MTED 5622: Expanding Conceptions of Algebra	3	
Core Course 3	MTED 5623: Geometrical Ways of Reasoning	3	
Core Course 4	MTED 5070 - (Re)Humanizing the Teaching and Learning of Mathematics	3	
Core Course 5 (select one)	MTED 5030: Theories of Mathematics Learning MTED 5040: Mathematics Teaching: Theory and Practice MTED 5050: Critique of Mathematics Education Research STME 6110: Science and Math Curriculum Studies	3	
Total Concentration Core		**15**	
Choice of 4 Elective Courses; 12 credits required			
The following are things to think about when selecting your elective courses: 1. Use this opportunity to explore additional subjects and develop a well-rounded general knowledge of your area of study. 2. Choose courses that will help you develop a deeper understanding of a specific subject area within your degree discipline. 3. Choose courses that are relevant to your personal and professional goals. 4. Select classes that appeal to your interests and strengths. 5. Consider courses that will build or increase a specific skill set. 6. If you're considering a PhD, consider taking a statistics course. 7. Opt for a course that addresses your weaknesses. 8. Find courses that embrace your passions. 9. Choose classes that will help you hone your skills in research or where you can learn a new skill to enhance your abilities beyond your current skill set. 10. Consult with your faculty advisor to ensure you're selecting a coherent group of courses that will enhance your learning.			
Course 1		3	
Course 2		3	
Course 3		3	
Course 4		3	
Total Elective Credits		**12**	
Research Course	RSEM _____ To be decided by student with their Faculty Advisor	3	
Total Credit Hours		**30 minimum**	