



School of Education & Human Development

UNIVERSITY OF COLORADO DENVER

MA in STEM Education: Math & Science – Online Option

For Math & Science, there are 4 required courses (12 credits hours). In consultation and with approval from your faculty advisor, select 5 courses from the Thematic Course Categories to customize your learning (15 credits). For instance, you may want to customize your Thematic Course Categories selections for elementary or secondary. Finally, take a research course (3 credits) for a total of 30 credits.

***This degree plan does not include a license or an endorsement.**

Degree Components	Courses	Credits	Semester Completed
Concentration Core; 12 credits required			
Core Course 1	Choose one: MTED 5621: A world of different numbers OR MTED 5622: Expanding Conceptions of Algebra OR MTED 5623 Geometrical Reasoning	3	
Core Course 2	Choose one: MTED 5621: A world of different numbers OR MTED 5622: Expanding Conceptions of Algebra OR MTED 5623 Geometrical Reasoning	3	
Core Course 3	SCED 5400 Theory and Pedagogy of Science Learning	3	
Core Course 4	SCED 5350 Issues and Trends in Science Education	3	
Total Concentration Core		12	
Choice of 5 courses from the Thematic Course Categories; 15 credits required			
<p>The following are things to think about when selecting your thematic courses:</p> <ol style="list-style-type: none"> 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	
Course 5		3	
Total Thematic Course Categories Credits		15	
Concentration Research Course	RSEM _____ To be decided by student with their Faculty Advisor	3	
Concentration Capstone Course	MTED _____ The Capstone is completed in your final core course	0	
Total Credit Hours		30 minimum	