



UNIVERSITY OF MARYLAND GLOBAL CAMPUS (UMGC)
DEPARTMENT OF EDUCATION

Conceptual Framework (CF) Alignment: UMGC

learn at high levels, and that they as teachers and teacher candidates are instrumental in ensuring that this learning occurs. This transcript review form is used for MAT admissions in conjunction with Key Assessments 2 Description of transcript analysis process, which aligns with CF Learning Objective 1: Teaching for Learning

Relationships among the energy transferred, the type of matter, the mass, and the change in the average kinetic energy of the particles			
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Conservation of Energy and Energy Transfer

<p>Weather and Climate</p> <p>Results of variations in the flow of energy on changes of climate</p> <p>Cycling of carbon among the hydrosphere, atmosphere, geosphere, and biosphere</p>	<p>Organic Chemistry</p> <p>Environmental Geochemistry</p>		
<p>Natural Resources</p> <p>Design solutions for developing, managing, and utilizing energy and mineral resources based on cost-benefit ratios</p>	<p>Green Chemistry</p> <p>Geochemistry</p>		
<p>Global Climate Change</p> <p>Geoscience data and global climate models Relationships how those relationships are being modified due to human activity</p>	<p>Environmental Chemistry</p>		
		<p>Total Credits:</p>	

Note: Applicants may qualify to enter the MAT program with a content specialization in Chemistry