

**✓Prairie View A&M University
Core Curriculum Alignment Matrix**

<p>Natural Sciences The objective of the study of the natural sciences component of the core curriculum is to enable the student to understand, construct, and evaluate empirical relationships in the natural sciences, and to enable the student to understand the bases for theory-building and testing.</p>				
<u>Exemplary Educational Objectives</u>	BIOL 1113 Biology (Non -Majors)			
a) to understand and apply the empirical method to the study of natural sciences;	✓ Non-majors are introduced to the basic science concepts. Non-majors are required to identify the four major organic compounds. They must describe the process of photosynthesis and describe cell division.			
b) to recognize scientific and quantitative methods and the differences between these approaches and other methods of inquiry and to communicate findings, analyses, and interpretation both orally and in writing.	✓Non-majors are introduced to the components of the scientific method and they are required to interpret hereditary charts.			
c) to identify and recognize the differences among competing scientific models of the universe;				
d) to demonstrate knowledge of the major issues and problems facing modern science, including issues that touch upon ethics and values; and	✓Non-majors are required to describe what occurs in genetic counseling sessions and they must recognize when the atmosphere is at risk.			

<p>e) to demonstrate knowledge of the interdependence of science and technology and their influence on, and contribution to, modern culture.</p>	<p>✓ Non-majors must be aware of how technology and biomedical science are used in research.</p>						
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