

Alignment Matrix K-State Undergraduate Outcome and B.S. in Microbiology

Student Learning Outcomes	K-State Undergraduate Outcome				
	Knowledge	Critical Thinking	Communication	Diversity	Academic and professional Integrity
Awareness of the diversity of life, the evolutionary processes which result in that diversity, as well as the evolutionary relationships and ecological linkages of living organisms.	X	X		X	
Ability to think critically and to integrate factual and conceptual information into an understanding of scientific data.		X			
Ability to use the scientific method to distinguish between fact, fiction, and faith.		X			X
Ability to communicate biological scientific understanding effectively with individuals who do not have a scientific background.			X		
Ability to apply mathematical or statistical approaches to understanding biological information.	X				
An understanding of and appreciation for the role of biological science in a modern society.					X
An understanding of the uses and limitations of laboratory techniques used in modern microbiological research.					X