

General Education Goal Area 4 – Mathematical/Logical Reasoning

Rubric					
	Does not meet criteria for Beginning 0	Beginning 1	Developing 2	Proficient 3	Advanced 4
Illustrate historical and contemporary applications of mathematical/logical systems.	---	Identify an application of a mathematical/logical system whether historical, contemporary, hypothetical or symbolic.	Provide or use an application of a mathematical/logical system whether historical, contemporary, hypothetical or symbolic.	Explain how and why mathematical/logical systems are used whether historical, contemporary, hypothetical or symbolic.	
Clearly express mathematical/logical ideas in writing.	---	Explain a mathematical/logical idea in written/symbolic form.	Explain more than one mathematical/logical idea in written/symbolic form.		
Explain what constitutes a valid mathematical/logical argument (Proof).	---	Identify a quantitative or logically valid argument.	Write a quantitative or logically valid argument.	Describe the parts of an invalid quantitative or logically valid argument.	
Apply higher-order problem-solving and/or modeling strategies.	---	Apply simple problem-solving or modeling strategies.	Apply simple problem-solving and modeling strategies.	Apply higher order problem-solving or modeling strategies.	Apply higher order problem-solving and modeling strategies.