

**Rubric for Core Curriculum Learning Goal**
**Laboratory Science**
**Core learning goals:** Demonstrate scientific literacy (scientific reasoning)

Demonstrate awareness of issues of science as they influence the individual and society

Students should be able to...	4	3	2	1
<b>Criterion A:</b> Explain scientific concepts	Explains scientific concepts accurately and makes appropriate inferences	Explains scientific concepts accurately	Explains scientific concepts with some errors	Explains scientific concepts, but makes significant errors
<b>Criterion B:</b> Complete a scientific investigative analysis	Thoughtfully designs and successfully completes an investigative analysis using scientific methodology	Designs and successfully completes an investigative analysis using scientific methodology	Successfully completes an investigative analysis using scientific methodology	Completes an investigative analysis using scientific methodology, but makes significant errors
<b>Criterion C:</b> Interpret and analyze data	Fully analyzes and interprets data	Sufficiently analyzes and interprets data	Partially analyzes and interprets data	Minimally analyzes and interprets data
<b>Criterion D:</b> Draw conclusions from background information, data, and results	Fully draws conclusions from background information, data, and results	Sufficiently draws conclusions from background information, data, and results	Partially draws conclusions from background information, data, and results	Minimally draws conclusions from background information, data, and results
<b>Criterion E:</b> Demonstrate awareness of issues of science as they influence the individual and society	Sufficiently evaluate, identify, and explain the influence of scientific issues on individuals and society.	Sufficiently identify and explain the influence of scientific issues on individuals and society.	Partially identify and explain the influence of scientific issues on individuals and society.	Minimally identify and explain the influence of scientific issues on individuals and society.