



Goal 4: Scientific Literacy

Fall 2023

Method: Course-embedded assessment in general education courses designated for Goal 4, scored by course instructors using adopted rubric.

N = 75

Average Scores Earned in Each Category Assessed

Understanding of the nature of science & the scientific process	Ability to apply evidence-based scientific inquiry	Understanding of the interconnectedness of processes	Understanding of content in a scientific context
2.70	2.64	2.62	2.67

Rubric Legend: 3 = Proficient 2 = Developing 1 = Beginning

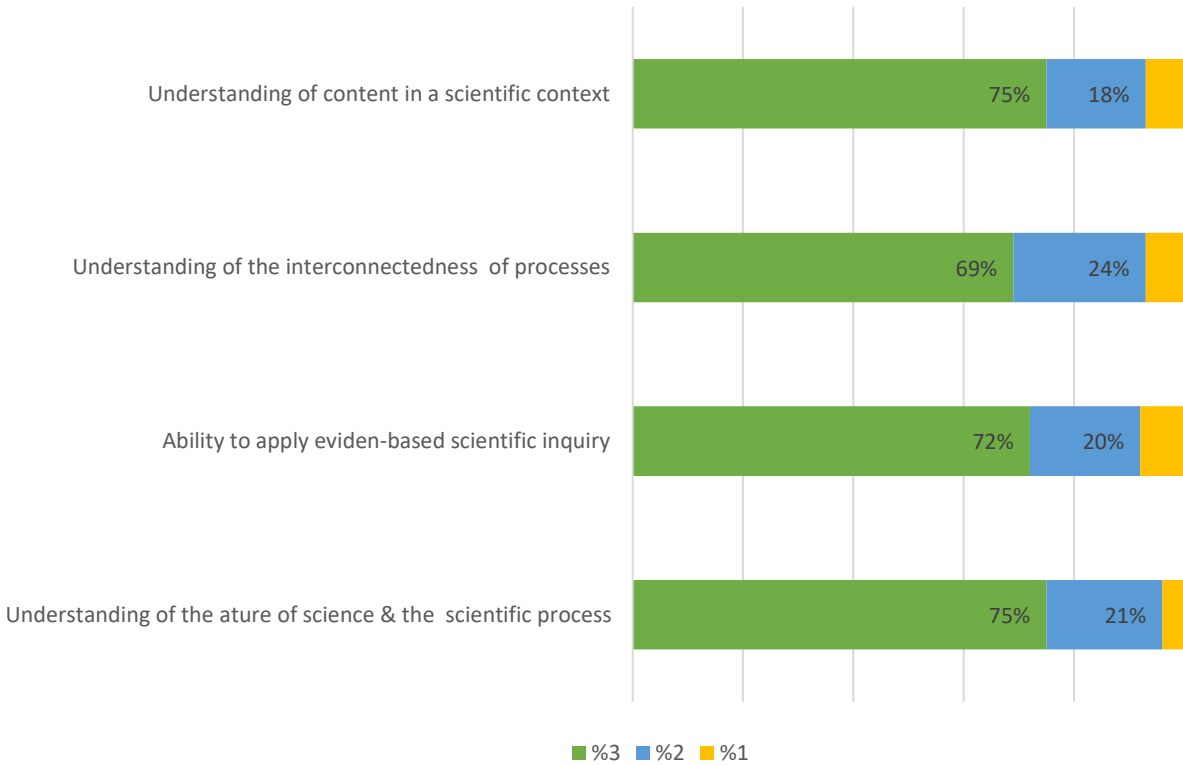
Understanding of the nature of science & the scientific process		
Rating	N	%
Proficient	56	74.67%
Developing	16	21.33%
Beginning	3	4.00%

Ability to apply evidence-based scientific inquiry		
Rating	N	%
Proficient	54	72.00%
Developing	15	20.00%
Beginning	6	8.00%

Understanding of the interconnectedness of processes		
Rating	N	%
Proficient	52	69.33%
Developing	18	24.00%
Beginning	5	6.67%

Understanding of content in a scientific context (N=68)		
Rating	N	%
Proficient	51	75.00%
Developing	12	17.65%
Beginning	5	7.35%

Percent of Students Scoring at Specific Levels on Each Rubric Item



Method: Question on Graduate-to-Be survey regarding students’ perceptions of how well their undergraduate coursework developed their scientific literacy skills

December 2023

	Great Deal	Much	Somewhat	Little	Very Little
Scientific Literacy	32.4%	32.4%	26.8%	6.2%	2.3%