



## Goal 4: Scientific Literacy

Fall 2024

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

N = 84

### 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
2.81	2.85	2.52	2.65

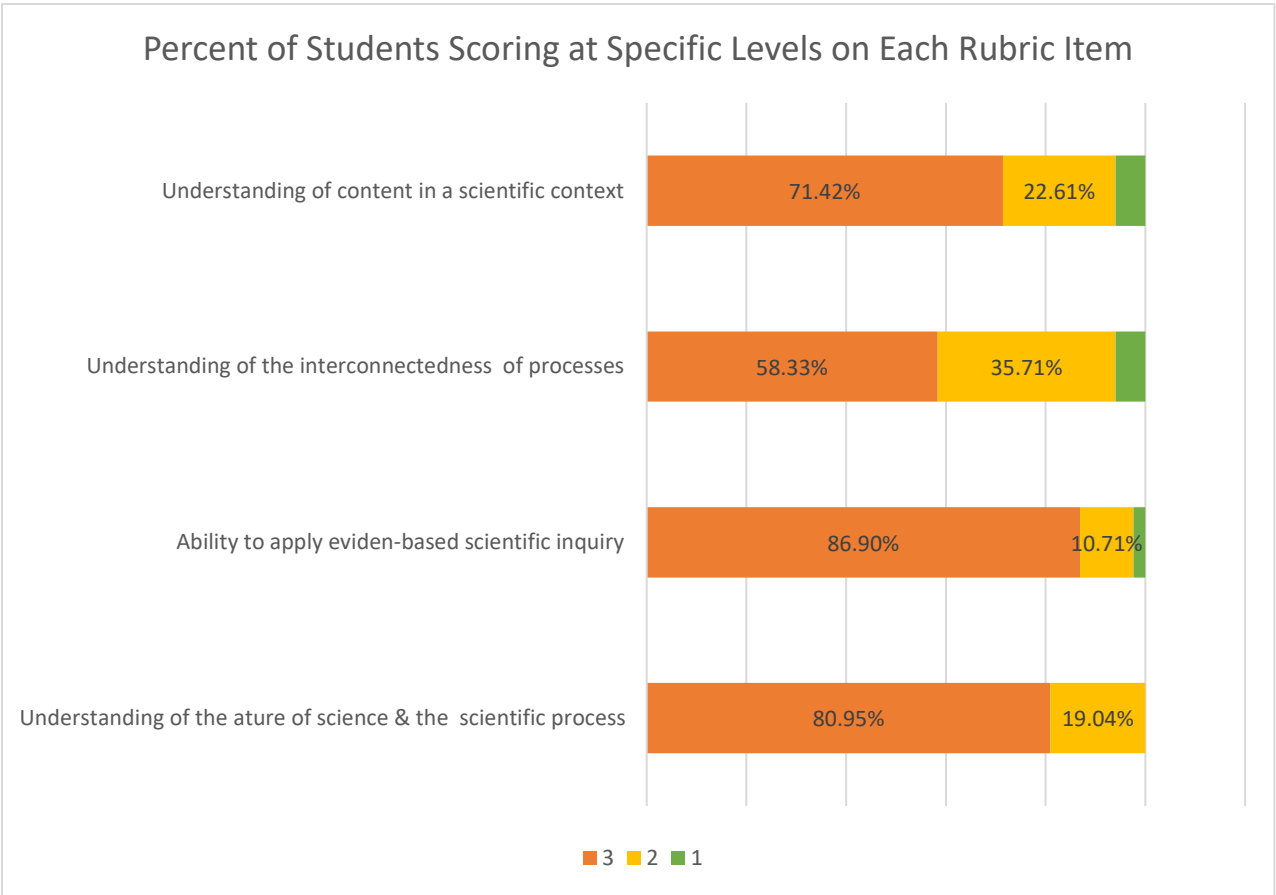
Rubric Legend: 3 = Proficient 2 = Developing 1 = Beginning

Understanding of the nature of science & the scientific process		
Rating	N	%
Proficient	68	80.95%
Developing	16	19.04%
Beginning	0	00.00%

Ability to apply evidence-based scientific inquiry		
Rating	N	%
Proficient	73	86.90%
Developing	9	10.71%
Beginning	2	2.38%

Understanding of the interconnectedness of processes		
Rating	N	%
Proficient	49	58.33%
Developing	30	35.71%
Beginning	5	5.95%

Understanding of content in a scientific context (N=68)		
Rating	N	%
Proficient	60	71.42%
Developing	19	22.61%
Beginning	5	5.95%



Method: Question on Graduate-to-Be survey (June – December 2024) regarding students’ perceptions of how well their undergraduate coursework developed their scientific literacy skills

December 2024

	Great Deal	Much	Somewhat	Little	Very Little
Scientific Literacy	34.60%	36.29%	18.57%	7.17%	3.38%