

Mapping Essential Skills to AI Competencies



As generative AI transforms the knowledge economy, traditional skills remain foundational and become the backbone for core AI competencies. This framework maps essential learning outcomes to "AI partner" skills that shift student behavior from passive reliance on tools to active, critical engagement. The goal of your assignment is not to make the task easier, but to make the right thinking harder to avoid.

ESSENTIAL SKILLS



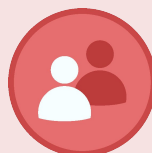
Critical Thinking

Analyzing, evaluating evidence, and solving problems.



Communication

Clearly expressing ideas and understanding others across multiple formats and contexts.



Collaboration

Working effectively with others to achieve shared goals.



Creativity

Generating new ideas, approaches, or interpretations.

AI COMPETENCIES



Judgment

Evaluating and verifying AI outputs for real sources, structural bias, hallucinations, and missing context to decide what is trustworthy and meaningful.



Explanation

Articulating human reasoning and the logic behind modifications to AI content. Clearly expressing your own thinking, including how AI contributed to the result.



Coordination

Treating automated tools as active teammates rather than administrative substitutes by working with AI and other people to achieve shared goals.



Agency

Directing AI behavior and using AI as a partner to develop ideas and output iteratively and intentionally.



Try it Out!

These assignment patterns treat AI output as material to question, test, and revise instead of as an automated shortcut to finish work.

Try this Claim Source Verification Assignment in your next course!

Context: You are a critical peer editor.

Task: Input the following topic into a GenAI tool and ask it for a 500-word argumentative summary. Read its output alongside your textbook chapter.

Constraints: Find at least two instances where the AI oversimplified the issue, missed critical historical nuance, or used circular logic.

Ethics: Highlight the corrected passages and write a 100-word explanation of your revisions.