

Full QM AI Alignment

Backwards Design Step	Description	AI Tasks	QM Standards
1. Identify Desired Results	Define clear learning outcomes and objectives.	Use AI to generate clear and measurable learning outcomes based on Bloom's Taxonomy.	Standard 2.1: The course learning objectives describe outcomes that are measurable.
	Identify essential skills learners need to master.	Identify and list essential skills using AI to analyze industry standards and job market trends.	Standard 2.2: The module/unit-level objectives describe outcomes that are measurable and consistent with the course-level objectives.
	Summarize key concepts and big ideas learners should retain.	Summarize key concepts and big ideas using AI to ensure they are clearly articulated and aligned with course goals.	Standard 2.3: All learning objectives are stated clearly and written from the learner's perspective.
2. Determine Acceptable Evidence	Develop assessments that align with the learning outcomes.	Develop diverse assessment methods using AI, including formative and summative assessments, quizzes, peer reviews, and self-assessments.	Standard 3.1: The assessments measure the achievement of the stated learning objectives or competencies.
3. Plan Learning Experience & Instruction	Design instructional strategies and learning activities to achieve the desired outcomes.	Recommend and design instructional strategies using AI, such as flipped classroom, blended learning, and problem-based learning.	Standard 4.1: The instructional materials contribute to the achievement of the stated course and module/unit learning objectives or competencies.
		Suggest appropriate learning activities using AI, presented with following the transparency (TiLT) framework.	Standard 5.1: The learning activities promote the achievement of the stated learning objectives or competencies.
Additional AI Tasks and QM Standards	Ensure continuous improvement and accessibility.	Use AI to gather and analyze feedback for continuous course improvement.	Standard 8.1: The course is designed to facilitate learner feedback on their learning and course effectiveness.
		Ensure all course materials are accessible using AI tools to check for compliance with accessibility standards.	Standard 8.2: The course design facilitates readability and minimizes distraction.