



Alignment of the State Common Core (SCC), NMSU General Education (GE), and NMSU Baccalaureate Experience (BE) Learning Objectives

NMSU GE Learning Objectives
Critical Thinking
Communication <ul style="list-style-type: none"> ▪ Research & Information ▪ Written & Oral
Culture <ul style="list-style-type: none"> ▪ Creating & Developing Awareness of Citizenship ▪ Diversity ▪ Relevance of Science & Math
Math Content/Competencies

Baccalaureate Experience Learning Objectives	NMSU General Education Learning Objectives
Academically Prepared	Culture: Relevance of Math & Science Math Content
Life-Long Learning	
Effective Communication	Communication: Written & Oral
Self-Awareness	Culture: Creating & Developing Awareness of Citizenship Culture: Diversity
Technological Literacy	Communication: Research & Information
Information Literacy	Communication: Research & Information
Citizenship	Culture: Creating & Developing Awareness of Citizenship
Diversity	Culture: Diversity
Critical Thinking	Critical Thinking
Creativity	
Sense of Identity w/NMSU	



State Common Core Area	State Common Core Learning Objectives (competencies)	NMSU GE Learning Objectives
Area I: Communication	Analyze and evaluate oral and written communication in terms of situation, audience, purpose, aesthetics, and diverse points of view.	Critical Thinking
	Express a primary purpose in a compelling statement and order supporting points logically and convincingly.	Communication: Written & Oral
	Use effective rhetorical strategies to persuade, inform and engage.	Communication: Written & Oral
	Employ writing and/or speaking processes such as planning, collaborating, organizing, composing, revising & editing to create presentations using correct diction, syntax, grammar and mechanics.	Communication: Written & Oral
	Integrate research correctly and ethically from credible sources to support the primary purpose of a communication.	Communication: Research & Information
	Engage in reasoned civil discourse while recognizing the distinctions among opinions, facts, and inferences.	Culture: Creating & Developing Awareness of Citizenship
Area II: Mathematics-Algebra	Graph functions.	Math Content
	Solve various kinds of equations.	Math Content
	Demonstrate the use of function notation and perform operations on functions.	Math Content
	Model/solve real-world problems.	Critical Thinking Culture: Creating & Developing Awareness of Citizenship
Area II: Mathematics-Calculus I	Demonstrate an understanding of the theoretical, geometrical underpinnings of the calculus.	Math Content
	Use concepts of function, limit, continuity, derivative, and integral.	Math Content
	Apply methods of calculus to optimization, graphing, and approximation.	Math Content
	Apply differential and integral calculus to problems in geometry, physics, and other fields.	Math Content
Area II: Mathematics-College Level Math	Display, analyze, and interpret data.	Critical Thinking
	Demonstrate knowledge of problem-solving strategies.	Culture: Relevance of Math & Science
	Construct valid mathematical explanations.	Critical Thinking
	Display an understanding of the development of mathematics.	Culture: Relevance of Math & Science
	Demonstrate an appreciation for the extent, application, and beauty of mathematics.	Culture: Relevance of Math & Science



Area III: Laboratory Science	Describe the process of scientific inquiry.	Culture: Relevance of Math & Science
	Solve problems scientifically.	Critical Thinking
	Communicate scientific information.	Communication: Research & Information Communication: Written & Oral
	Apply quantitative analysis to scientific problems.	Critical Thinking
	Apply scientific thinking to real world problems.	Critical Thinking Culture: Creating & Developing Awareness of Citizenship
Area IV: Social/Behavioral Science	Identify, describe, and explain human behaviors and how they are influenced by social structures, institutions, and processes within the contexts of complex and diverse communities.	Culture: Creating & Developing Awareness of Citizenship Culture: Diversity Culture: Relevance of Math & Science
	Articulate how beliefs, assumptions, and values are influenced by factors such as politics, geography, economics, culture, biology, history, and social institutions.	Culture: Creating & Developing Awareness of Citizenship Culture: Diversity Culture: Relevance of Math & Science
	Describe ongoing reciprocal interactions among self, society, and the environment.	Culture: Creating & Developing Awareness of Citizenship
	Apply the knowledge base of the social and behavioral sciences to identify, describe, explain, and critically evaluate relevant issues, ethical dilemmas, and arguments.	Critical Thinking
Area V: Humanities & Fine Arts	Analyze and critically interpret significant primary texts and/or works of art (this includes fine art, literature, music, theatre, and film).	Critical Thinking
	Compare art forms, modes of thought and expression, and processes across a range of historical periods and/or structures (such as political, geographic, economic, social, cultural, religious, intellectual).	Communication: Research & Information Culture: Diversity
	Recognize and articulate the diversity of human experience across a range of historical periods and/or cultural perspectives.	Culture: Diversity
	Draw on historical and/or cultural perspectives to evaluate any or all of the following: contemporary problems/issues, contemporary modes of expression, and contemporary thought.	Critical Thinking Culture: Diversity



		New Mexico State Common Core AREA							AREAS ENGAGED
		AREA I	AREA II			AREA III	AREA IV	AREA V	
NMSU GE Objective			Algebra	Calculus	College Math				
Critical Thinking		a	d		a, c	b, d, e	d	a, d	5 of 5
Communication	Research & Information	e				c		b	3 of 5
	Written & Oral	b, c, d				c			2 of 5
Culture	Creating & Developing Awareness of Citizenship	f	d			e	a, b, c		4 of 5
	Diversity						a, b	b, c, d	2 of 5
	Relevance of Science & Math				d, e	a, e	b		3 of 5
Math Content			a, b, c,	a, b, c, d					1 of 5
Objectives Addressed		4 of 7	3 of 7	1 of 7	2 of 7	5 of 7	4 of 7	3 of 7	