

# Learning Outcomes

## eCore Assessment

Each eCore course has a set of course-level learning outcomes, including one or more that are mapped to the General eCore Curriculum Learning Outcomes. eCore faculty provide the first step of course-level learning outcome evaluation, through a system in which selected outcomes are assessed with a system of “exceeds expectations, meets expectations, or did not meet expectations,” in addition to the numerical student grade. Areas identified for improvement in meeting outcomes by eCore faculty or affiliate institutions (via their Subcommittee representatives) are documented, and acted upon, usually as course-specific improvements. These data were also used to inform the process of major course revisions (readings, multimedia, learning activities, texts), which occurs at least once every three years by a team of three or more USG faculty members. Finally, these results are provided to each affiliate institution for inclusion in their general education assessment activities.

## eCore General Education Assessment: Fall 2010

Below is an assessment of the general education core for eCore, as developed and approved by the Council on General Education in 2000-2001. These are broad-based and reflect commonalities across institutional learning outcomes (USG eCore Substantive Change, 2001; eCore Factbook, 2006). The Council on General Education estimated that the set corresponds to approximately 80 percent of any given institution’s learning outcomes (eCore Factbook, 2006). This assessment also features an overlay of critical thinking, global, and United States in order to reflect changes to the USG core. This overlay used existing approved outcomes, with the exception of two outcomes for the United States, which were taken directly from the approved course level outcomes for American Government and US History.

CT = Critical Thinking    GL = Global    US = United States

A1. Communication	Courses	Expectations		
		Exceeded	Met	Below
1. Ability to assimilate, analyze, and present in oral and written forms, a body of information (CT)	Engl 1101, Engl 1102	25.77%	62.89%	11.34%
2. Ability to adapt communication to circumstances and audience	Engl 1101	54.17%	29.17%	16.67%
3. Ability to produce communication that is stylistically appropriate and mature (CT)	Engl 1101, Engl 1102	9.52%	57.14%	33.33%
4. Ability to communicate in standard English for academic and professional contexts	Engl 1101	86.67%	13.33%	0.00%
5. Ability to compose effective written materials for various academic and professional contexts	Engl 1102	22.06%	50.00%	27.94%
6. Ability to interpret content of written materials on related topics from various disciplines	Engl 1102	21.33%	62.67%	16.00%

## Learning Outcomes

A2. Quantitative Skills	Courses	Expectations		
		Exceeded	- Met -	Below
1. Ability to model situations from a variety of settings in generalized mathematical forms	Math 1101, Math 1111, Math 1113, Math 1501	74.22%	6.25%	19.53%
2. Ability to express and manipulate mathematical information, concepts, and thoughts in verbal, numeric, graphical and symbolic form while solving a variety of problems	Math 1101, Math 1111, Math 1113, Math 1501	50.85%	1.69%	47.46%
3. Ability to solve multiple-step problems through different (inductive, deductive and symbolic) modes of reasoning	Math 1111, Math 1113, Math 1501	61.46%	3.54%	35.00%
4. Ability to shift among the verbal, numeric, graphical and symbolic modes of considering relationships	Math 1111, Math 1113, Math 1501	76.00%	0.00%	24.00%
5. Ability to extract quantitative data from a given situation, translate the data into information in various modes, evaluate the information, abstract essential information, make logical deductions, and arrive at reasonable conclusions	Math 1111, Math 1113, Math 1501	65.79%	0.00%	34.21%

Area B: institutional Options	Courses	Expectations		
		Exceeded	- Met -	Below
1. Ability to properly use appropriate technology in the evaluation, analysis, and synthesis of information in problem-solving situations	ETEC 1101	77.78%	22.22%	0.00%
2. Ability to communicate in various modes and media, including proper use of the appropriate technology	ETEC 1101	66.67%	33.33%	0.00%
3. Ability to sustain a consistent purpose and point of view (CT)	Comm 1100	26.09%	60.87%	13.04%
4. Ability to interpret inferences and develop subtleties of symbolic and indirect discourse.	Comm 1100	35.29%	54.90%	9.81%

Area C: Humanities, Fine Arts and Ethics	Courses	Expectations		
		Exceeded	- Met -	Below
1. Ability to recognize the fine, literary, and performing arts as expressions of human experience	ENGL 2111, ENGL 2132	39.02%	39.02%	21.95%
2. Ability to make informed judgments about art forms from various cultures including one's own culture (GL)	ENGL 2132	38.16%	55.26%	6.58%
3. Ability to discern the impact and role of artistic and literary achievement in society and one's personal life (CT)	ENGL 2111, ENGL 2132	40.00%	26.00%	4.00%
4. Ability to critically analyze one's own culture (CT)	PHIL 1001, SPAN 2001, SPAN 2002	42.86%	45.11%	12.03%

Area D:	Courses	Expectations		
		Exceeded	Met	Below
1. Ability to understand basic scientific principles, theories, laws as they apply to all scientific disciplines	CHEM 1211, CHEM 1212, GEOL 1011, PHYS 1211, ISCI 1211,	49.53%	28.04%	22.43%
2. Ability to demonstrate knowledge in at least one area of science; Ability to discern the role in and impact on science on society	CHEM 1211, CHEM 1212, GEOL 1011, PHYS 1211, ISCI 1211	69.44%	15.74%	14.81%
3. Ability to identify and properly use appropriate technologies for scientific inquiry and communication including collecting and analyzing scientific data	CHEM 1211, CHEM 1212, GEOL 1011, PHYS 1211	65.85%	20.73%	13.41%
4. Ability to understand the physical universe and science's relationship to it	CHEM 1211, CHEM 1212, GEOL 1011, PHYS 1211, ISCI 1211	58.33%	22.22%	19.44%
5. Ability to understand the changing nature of science (CT)	CHEM 1211, CHEM 1212, GEOL 1011, PHYS 1211, ISCI 1211	59.60%	19.19%	21.21%
6. Ability to understand the scope and limits on the appropriateness of scientific inquiry to physical phenomena	CHEM 1211, CHEM 1212, GEOL 1011, PHYS 1211	46.43%	25.00%	28.57%
7. Ability to demonstrate critical observation and analysis (CT)	CHEM 1211, CHEM 1212, GEOL 1011, PHYS 1211, ISCI 1211, Math*	78.31%	10.84%	10.84%
8. Ability to apply mathematical principles to scientific inquiry, including the use of statistics and formulae to understand quantitative data	CHEM 1211, CHEM 1212, PHYS 1211, ISCI 1211, Math* MATH 1401	72.44%	18.11%	9.45%
9. Ability to employ quantitative reasoning appropriately while applying scientific methodology to explore nature and the universe.	CHEM 1211, CHEM 1212, PHYS 1211, ISCI 1211,	77.61%	13.43%	8.96%
10. Ability to discern the impact of quantitative reasoning and mathematics on the sciences, society, and one's personal life	CHEM 1211, CHEM 1212, PHYS 1211, ISCI 1211,	80.60%	10.45%	8.96%

Area E: Social Sciences	Courses	Expectations		
		Exceeded	Met	Below
1. Ability to relate local, national, and global social policy (GL)	POLS 1101, HIST 1111, HIST 2111	44.44%	44.45%	11.11%
2. Ability to describe how historical, economic, political, social, and spatial relationships develop, persist, and change	POLS 1101, HIST 1111, HIST 2111	52.49%	41.00%	6.51%
3. Ability to articulate the complexity of human behavior as functions of the commonality and diversity within groups	HIST 1111, PSYC 1101, SOCI 1101	43.00%	48.67%	8.33%
4. Ability to identify and analyze both contemporary and historical perspectives on contemporary issues (CT)	HIST 1111, HIST 2111, PSYC 1101,	50.84%	35.29%	14.71%
5. Ability to relate the contributions of groups and individuals to the history of ideas and belief systems	HIST 2111, SOCI 1101	50.00%	34.62%	15.38%
6. Ability to appreciate and respect diversity among people and recognize the roles various peoples played in their culture (GL)	HIST 2111	50.98%	42.16%	6.86%
7. Ability to consider and accommodate opposing points of view (CT)	POLS 1101	64.71%	23.53%	11.76%
8. (Taken from Course-Level Objective): Demonstrate a knowledge of the historical background, foundations, origins, content and application of the US Constitution and Bill of Rights (US)	POLS 1101	62.52%	33.33%	4.15%
9. (Taken from Course-Level Objective): Analyze the trials and contributions of the many cultures that make up American society (US)	HIST 2111	45.95%	36.04%	18.02%