

# Learning Outcomes

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 as “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 Subcommittee representatives) are documented and acted upon, usually as course-specific improvements. These data are also used to inform the process of major course revisions (readings, multimedia, learning activities, texts), and these results are provided to each affiliate institution for inclusion in general education assessment activities.

## eCore General Education Assessment: Fall 2012

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, both global and in the 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	34.39%	56.14%	9.47%
2. Ability to adapt communication to circumstances and audience.	ENGL 1101	41.84%	52.04%	6.12%
3. Ability to produce communication that is stylistically appropriate and mature. (CT)	ENGL 1101 ENGL 1102	36.97%	55.92%	7.11%
4. Ability to communicate in standard English for academic and professional contexts.	ENGL 1101	72.58%	25.00%	0.81%
5. Ability to compose effective written materials for various academic and professional contexts.	ENGL 1102	44.44%	39.58%	15.92%
6. Ability to interpret content of written materials on related topics from various disciplines.	ENGL 1102	29.94%	55.37%	12.99%

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	49.37%	21.76%	28.03%
	MATH 1113			
	MATH 1501			
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	41.28%	20.48%	37.45%
	MATH 1113			
	MATH 1501			
3. Ability to solve multiple-step problems through different (inductive, deductive and symbolic) modes of reasoning.	MATH 1111			
	MATH 1113	45.92%	14.74%	36.32%
	MATH 1501			
4. Ability to shift among the verbal, numeric, graphical and symbolic modes of considering relationships.	MATH 1111			
	MATH 1113	43.75%	20.67%	35.58%
	MATH 1501			
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	52.10%	15.55%	32.35%
	MATH 1501			

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			
		88.89 %	11.11%	0.00%
2. Ability to communicate in various modes and media, including proper use of the appropriate technology.	ETEC 1101			
		88.89 %	11.11%	0.00%
3. Ability to sustain a consistent purpose and point of view. (CT)	COMM 1100			
		36.07%	46.72%	25.41%
4. Ability to interpret inferences and develop subtleties of symbolic and indirect discourse.	COMM 1100			
		63.14%	28.83%	10.95%

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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	46.56%	49.21%	8.47%
2. Ability to make informed judgments about art forms from various cultures including one's own culture. (GL)	ENGL 2132	40.13%	50.33%	10.20%
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	48.86%	46.49%	9.19%
4. Ability to critically analyze one's own culture. (CT)	PHIL 2010 SPAN 2001 SPAN 2002	36.11%	50.79%	13.89%

Area D:	Courses	Expectations		
		Exceeded	– Met –	Below
1. Ability to understand basic scientific principles, theories, laws as they apply to all scientific disciplines.	CHEM 1211K CHEM 1212K GEOL 1011K PHYS 1211K ENVS 2202	58.90%	29.24%	11.86%
2. Ability to demonstrate knowledge in at least one area of science; ability to discern the role in and impact of science on society.	CHEM 1211K CHEM 1212K GEOL 1011K PHYS 1211K ENVS 2202	49.79%	30.45%	19.75%
3. Ability to identify and properly use appropriate technologies for scientific inquiry and communication including collecting and analyzing scientific data	CHEM 1211K CHEM 1212K GEOL 1011K PHYS 1211K	57.69%	29.67%	12.64%
4. Ability to understand the physical universe and science's relationship to it.	CHEM 1211K CHEM 1212K GEOL 1011K PHYS 1211K ENVS 2202	55.69%	32.11%	10.98%
5. Ability to understand the changing nature of science. (CT)	CHEM 1211K CHEM 1212K GEOL 1011K PHYS 1211K ENVS 2202	55.65%	33.04%	10.00%
6. Ability to understand the scope and limits on the appropriateness of scientific inquiry to physical phenomena.	CHEM 1211K CHEM 1212K GEOL 1011K PHYS 1211K	32.88%	50.00%	17.12%
7. Ability to demonstrate critical observation and analysis. (CT)	CHEM 1211K CHEM 1212K GEOL 1011K PHYS 1211K ENVS 2202	61.54%	26.24%	11.31%
8. Ability to apply mathematical principles to scientific inquiry, including the use of statistics and formulae to understand quantitative data.	CHEM 1211K CHEM 1212K PHYS 1211K ENVS 2202 MATH 1401	74.44%	16.17%	11.65%
9. Ability to employ quantitative reasoning appropriately while applying scientific methodology to explore nature and the universe.	CHEM 1211K CHEM 1212K PHYS 1211K ENVS 2202	76.44%	17.82%	3.45%
10. Ability to discern the impact of quantitative reasoning and mathematics on the sciences, society, and one's personal life.	CHEM 1211K CHEM 1212K PHYS 1211K ENVS 2202	75.45%	17.37%	4.19%

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	51.37%	37.20%	12.29%
2. Ability to describe how historical, economic, political, social, and spatial relationships develop, persist, and change.	POLS 1101 HIST 1111 HIST 2111	48.00%	44.18%	9.64%
3. Ability to articulate the complexity of human behavior as functions of the commonality and diversity within groups.	HIST 1111 PSYC 1101 SOC 1101	57.44%	38.49%	7.07%
4. Ability to identify and analyze both contemporary and historical perspectives on contemporary issues. (CT)	HIST 1111 HIST 2111 PSYC 1101	39.63%	54.44%	6.48%
5. Ability to relate the contributions of groups and individuals to the history of ideas and belief systems.	HIST 2111 SOC 1101	53.68%	34.56%	10.66%
6. Ability to appreciate and respect diversity among people and recognize the roles various peoples played in their cultures. (GL)	HIST 2111	49.46%	46.77%	3.76%
7. Ability to consider and accommodate opposing points of view. (CT)	POLS 1101	80.63%	10.00%	10.63%
8. (Taken from Course-Level Objective): Demonstrate knowledge of the historical background, foundations, origins, content, and application of the US Constitution and Bill of Rights. (US)	POLS 1101	72.78%	17.16%	14.20%
9. (Taken from Course-Level Objective): Analyze the trials and contributions of the many cultures that make up American society. (US)	HIST 2111	53.57%	42.03%	4.40%

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### Global Perspectives

	Expectations		
	Exceeded	– Met –	Below
ENGL 2132 (C.2)	66.13%	29.03%	1.61%
HIST 2111 (E.1 & E.6)	53.57%	42.03%	4.40%
HIST 1111 (E.1)	29.46%	51.45%	19.09%
POLS 1101 (E.1)	76.05%	16.77%	10.18%

### Critical Thinking

	Expectations		
	Exceeded	– Met –	Below
COMM 1100 (B.3)	36.07%	46.72%	25.41%
ENGL 1101 (A.1 & A.3)	36.97%	55.92%	7.11%
ENGL 1102 (A.1 & A.3)	41.80%	47.37%	10.84%
ENGL 2111 (C.3)	34.15%	55.28%	13.01%
ENGL 2132 (C.2 & C.3)	66.13%	29.03%	1.61%
CHEM 1211K (D.5 & D.7)	59.15%	36.62%	4.23%
CHEM 1212K (D.5 & D.7)	9.09%	87.88%	3.03%
HIST 1111 (E.4)	33.03%	57.80%	9.17%
HIST 2111 (E.4)	50.81%	45.41%	5.41%
GEOL 1011K (D.5 & D.7)	41.80%	37.04%	21.16%
ENVS 2202 (D.7)	86.96%	7.25%	2.90%
PHIL 2010 (C.4)	23.78%	59.15%	17.07%
PHYS 1211K (D.7)	60.00%	40.00%	0.0%
POLS 1101 (E.7)	80.63%	10.00%	10.63%
PSYC 1101 (E.4)	35.04%	61.31%	10.42%
SPAN 2001 (C.4)	56.25%	34.78%	13.04%
SPAN 2002 (C.4)	61.90%	35.71%	2.38%

### United States

	Expectations		
	Exceeded	– Met –	Below
POLS 1101 (E.8)	72.78%	17.16%	14.20%
HIST 2111 (E.9)	53.57%	42.03%	4.46%