

CHEMISTRY Core Competencies

Learning Outcome:

Critical Thinking: Students will be able to examine, critique and synthesize information in order to arrive at reasoned conclusions.

Outcome Measure:

ETS Proficiency Profile Exam

Criteria for Success (how do you judge if the students have met your standards):

70% of the students will be marginal or proficient at Level 2 Reading/Critical Thinking.

Aligned with DQP Learning Areas (circle one or more but not all five):

1. Specialized Knowledge
2. Broad Integrative Knowledge
3. Intellectual Skills/Core Competencies
4. Applied and Collaborative Learning, and
5. Civic and Global Learning

Longitudinal Data:

	Percentage of Students Marginal or Proficient				
	2012-13	2013-14	2014-15	2015-16	2016-17
ETS Proficiency Profile Level 2 Critical Thinking	100.0%	84.6%	87.5%	92.0%	96.4%

Conclusions Drawn from Data:

The criteria for success have been met for the five past academic years. Students are able to examine, critique and synthesize information in order to arrive at reasoned conclusions.

Changes to be Made Based on Data:

No changes to program.

Rubric Used

No rubric. We use the ETS Proficiency Profile test results.

CHEMISTRY Core Competencies

Learning Outcome:

Written: Students will be able to effectively express ideas and information to others through written communication.

Outcome Measure:

ETS Proficiency Profile Exam

Criteria for Success (how do you judge if the students have met your standards):

80% of the students will be marginal or proficient at Level 2 Writing.

Aligned with DQP Learning Areas (circle one or more but not all five):

1. Specialized Knowledge
2. Broad Integrative Knowledge
3. Intellectual Skills/Core Competencies
4. Applied and Collaborative Learning, and
5. Civic and Global Learning

Longitudinal Data:

	Percentage of Students Marginal or Proficient				
	2012-13	2013-14	2014-15	2015-16	2016-17
ETS Proficiency Profile Level 2 Writing	100.0%	76.9%	83.3%	96.0%	89.3%

Conclusions Drawn from Data:

The criteria for success were met in all years except for 2013-14, when 76.9% of the students were marginal or proficient at Level 2 Writing, just below the 80% criteria for success. Overall, students are able to effectively express ideas and information to others through written communication.

Changes to be Made Based on Data:

No changes to program.

Rubric Used

No rubric. We use the ETS Proficiency Profile test results.

CHEMISTRY Core Competencies

Learning Outcome:

Quantitative Reasoning: Students will be able to solve problems that are quantitative in nature.

Outcome Measure:

ETS Proficiency Profile Exam

Outcome Measure:

ETS Proficiency Profile Exam

Criteria for Success (how do you judge if the students have met your standards):

90% of the students will be marginal or proficient at Level 2 Math.

Aligned with DQP Learning Areas (circle one or more but not all five):

1. Specialized Knowledge
2. Broad Integrative Knowledge
3. Intellectual Skills/Core Competencies
4. Applied and Collaborative Learning, and
5. Civic and Global Learning

Longitudinal Data:

	Percentage of Students Marginal or Proficient				
	2012-13	2013-14	2014-15	2015-16	2016-17
ETS Proficiency Profile Level 2 Math	100.0%	84.6%	91.7%	100.0%	100.0%

Conclusions Drawn from Data:

The criteria for success have been met for the last five years. Students are able to solve problems that are quantitative in nature.

Changes to be Made Based on Data:

No changes to program.

Rubric Used

No rubric. We use the ETS Proficiency Profile test results.