

Cornell College
Departmental / Program Assessment Plan
Mission Statement, Learning Outcomes, and Learning Opportunities

Department / Program:	Chemistry
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Mission Statement:

To create an engaging academic environment in which students learn to recognize and apply chemical models to explain chemical behavior.

Program Goals: Our program enables students to...

1. Conceptually understand chemical systems.
2. Improve their quantitative and qualitative thinking skills.
3. Develop skills in scientific literacy and communication.
4. Conduct independent research.

Intended Student Outcomes (3-5 recommended):

As a result of their experiences in our program, students will...

1. Predict chemical behavior by applying the appropriate chemical concepts.
2. Quantitatively assess or describe a chemical system.
3. Summarize and interpret information presented in scientific literature
4. Convey the results of their own laboratory research.

Learning Outcomes and Opportunities:

How do the specified outcomes support the College's Educational Objectives; and where are students provided opportunities that will help them achieve these outcomes.

Curriculum Map:

Use the following grid – or one of your own making – to identify where educational opportunities [e.g., courses, programs, activities, etc.] introduce (I), reinforce (R), and/or emphasize (E) the skills/abilities necessary to achieve your intended outcomes. Include all intended outcomes and educational opportunities.

	Intended Outcome 1	Intended Outcome 2	Intended Outcome 3	Intended Outcome 4
Introductory courses	I, R	I, R		
Intermediary courses	I, R, E	I, R, E,	R	I
Advanced courses	R, E	R, E	E	I,R

Information Priorities:

Given our intended outcomes, the top 2-3 information priorities for our department/program are:

How can we better align information literacy practices to leverage student abilities across the curriculum?

How can teaching practices impact critical thinking skills?