Program: CHEMISTRY

**Goals**
Students will learn chemical concepts across a wide range of chemistry sub-disciplines. Students will be able to use the fundamental principles and contemporary Students will develop both a responsible work habit in the laboratory and an ability to effectively communicate chemistry concepts orally and in

**Objectives**
Objectives have been identified for each discipline: 14 objectives in analytical

Eight objectives have been identified for this goal.

Seven objectives have been identified for this goal.

Two objectives have been identified for this goal.

**Data**
Assessment quiz in capstone class (Instrumental). Each division chooses two

Data is collected through lab notebook assessment form, written materials

Needs work on how to measure. Data is collected through lab notebook assessment form, written materials

**Analysis**
Data since 2005 has been analyzed; this data was obtained for poster presentations and 10 – 15 minute research talks. The data was collected for students who are chemistry and biochemistry majors. The detailed data is not included but is available. Most of the average data all lie within the

**Feedback**
- Continue to collect assessment data using departmental forms.
- Review data and make any changes to the assessment process.
- Specifically determine the kind of feedback we want in order to improve our major.
- We still need to work out an

**Changes**
Typically in our department we collect the assessment data in the spring (when there are many student presentations) and analyze the data in the fall. Based on our collection of data, we have not made any major changes to the assessment plan. One
University Goals

1. A Creighton graduate will demonstrate disciplinary competence and/or professional proficiency.

2. A Creighton graduate will demonstrate critical thinking skills.

3. A Creighton graduate will demonstrate a disposition to service and engaged civic responsibility.

4. A Creighton graduate will demonstrate an ability to communicate clearly and effectively in written and oral forms.

5. A Creighton graduate will demonstrate a disposition toward lifelong learning.

6. A Creighton graduate will demonstrate cultural competence, enabling effective work across racial, ethnic and cultural lines.

College Goals

1. Communicate clearly and effectively in written, spoken, mathematical, and artistic languages.

2. Think critically about information, assumptions, and arguments found in multiple forms of academic and cultural discourse.

3. Integrate broad and diverse learning with at least one individually chosen discipline or professional field.

4. Know the Christian, Catholic, and Jesuit intellectual traditions in the context of historical, cultural and spiritual concerns.

5. Apply a reasoned approach to effective decision-making according to sound and coherent ethical principles.

6. Relate an active commitment to learning, truth, and justice to a life of service and to the development of the global community.

7. (Demonstrate an understanding of the diversity of human identities and cultures in the United States and around the world)

Program Goals 1

Students will learn chemical concepts across a wide range of chemistry sub-disciplines.

Program Goals 2

Students will be able to use the fundamental principles and contemporary practices of chemistry to investigate, explain, and predict chemical phenomena.

Program Goals 3

Students will be able to use the fundamental principles and contemporary practices of chemistry to investigate, explain, and predict chemical phenomena.

Program Goals 4

Students will be able to use the fundamental principles and contemporary practices of chemistry to investigate, explain, and predict chemical phenomena.

Program Goals 5

Students will be able to effectively communicate chemical concepts orally and in writing.

Program Goals 6

Students will develop both a responsible work habit in the laboratory and an ability to frame chemical concepts as they pertain to past and present.