



NORTHERN ILLINOIS UNIVERSITY

College of Liberal Arts and Sciences

Department of Chemistry and Biochemistry

Major: Chemistry

Degree: B.S.

Date Revised: October 1, 2012

Student Learning Outcomes and proposed Methods for collecting data (from assessment plan/status report)

Student Learning Outcomes		Methods of Assessment
1	Reasoning – demonstrate ability to apply theory/concepts to predict chemical behavior, or interpret data related to chemical behavior.	<ul style="list-style-type: none">• Objective Tests (1-4)• Standardized Tests (1,2)• Capstone Research (1-5)• Exit Interviews (1-6)• Alumni Survey (1-6)• Placement Information (6)
2	Knowledge – demonstrate adequate knowledge of theory/concepts in all major sub-disciplines of chemistry (analytical, biochemistry, inorganic, organic, physical).	
3	Laboratory Experience – demonstrate competence in synthetic, instrumental, and wet chemistry techniques.	
4	Demonstrated ability to plan and execute experiments.	
5	Communication – demonstrate effective oral and written communication skills.	
6	Placement – securing employment in chemistry/biochemistry career or admission to a graduate/post-baccalaureate program in chemistry/biochemistry or professional studies.	

