

**MAJOR FIELD ASSESSMENT PLAN**  
**B. S. Chemistry**

The mission of Southeastern Louisiana University is to meet the education and cultural needs, primarily of Southeast Louisiana, to disseminate knowledge and to facilitate life-long learning through quality instruction, research and service in a safe, student-centered environment.

The purpose of the B.S. in Chemistry is to...

**Goal 1**

To provide student with strong knowledge of the field of chemistry.

A. Expected Outcome

Graduating seniors should have an adequate knowledge of inorganic, analytical, instrumental, organic, and physical chemistry.

Assessment

The ETS's MFAT in chemistry will be given to all chemistry majors late in the spring. Annual testing is expected to show individual improvement. By the spring semester of their senior year, 75% of seniors should improve their score by 25 percentile points.

B. Expected Outcome

Majors should feel that they have been given every reasonable opportunity to learn and grow as a chemist and that the chemistry faculty were concerned about their progress and performance and made themselves available to offer assistance.

Assessment

- a. An instrument will be developed within the Department to assess students attitudes toward the faculty and the curriculum.
- b. On the SLU Exit survey, 80% of the graduates will rate the Department as satisfactory or better.
- c. 80% of the employees/graduate schools will rate graduates of the chemistry degree program as satisfactory or better in follow-up surveys and/or informal conversations.

## Goal 2

To provide chemistry majors with the skills needed to conduct research

### A. Expected Outcome

Graduating seniors should have problem solving skills.

#### Assessment

- a. The ETS's MFAT in chemistry will be given to all chemistry majors late in the spring semester. Annual testing is expected to reveal the student's improvement. By the spring semester of their senior year 75% of seniors should improve their scores by 25 percentile points. This test is a partial evaluation of problem solving skills.
- b. Eighty percent of students will score satisfactory or better on a departmental assessment of skills as demonstrated by their performance in 200 - 400 level courses. An evaluation instrument has been devised by the department and a minimum of ½ the chemistry faculty must complete each students evaluation.

### B. Expected Outcome

Graduating chemistry seniors should be competent in laboratory methods.

#### Assessment

Eighty percent of students will score satisfactory or better on a departmental assessment of skills as demonstrated by their performance in 200 - 400 level courses. An evaluation instrument has been devised by the department and a minimum of ½ the chemistry faculty must complete each students evaluation.

### C. Expected Outcome

Graduating seniors should be able to communicate effectively both verbally and in writing in the field of science.

#### Assessment

Eighty percent of students will score satisfactory or better on a departmental assessment of skills as demonstrated by their performance in 200 - 400 level courses. An evaluation instrument has been devised by the department and a minimum of ½ the chemistry faculty must complete each students evaluation.