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INTENDED OBJECTIVES AND ASSESSMENT CRITERIA
DEPARTMENT OF CHEMISTRY AND PHYSICS
CHEMISTRY CURRICULUM

Institutional Purpose:

Intended Objectives:

Assessment Criteria

Mission/Scope Statement:

Southeastern's primary focus is high quality and comprehensive undergraduate instruction in the arts and sciences.

Goal Statement:

Southeastern's working goals are to develop and maintain:
1. Quality educational programs;
2. A positive environment for students' overall development;
3. Appropriate standards for the assurance of graduates competencies in mathematics, written English, computer literacy, and a major field of study.

Knowledge:

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

Skills:

Graduating seniors should:
1. Have problem solving skills.
2. Be competent in mathematics and the use of computers.
3. Be competent in laboratory methods.
4. Be able to communicate effectively both verbally and in writing in the field of science.

Attitudes:

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

The ETS's MFAT in chemistry will be given to all chemistry majors late in the spring of the semester in which they complete their junior sequential testing is expected to show individual improvement. At least 75% of seniors should score at or above the 70 percentile.

Although the MFAT and Southeastern's Mathematics Proficiency Exam will be taken into account as indicators of competence in mathematics, the primary measure of competence in both mathematics and computer usage will be the expectation that the student maintain at least a 2.0 grade point average in their mathematics and computer sciences courses.

80% of students will score satisfactory or better on a departmental assessment of these skills as demonstrated by their performance in 300-400 level courses. The evaluation instrument will be devised by the department and a minimum of 1/2 the chemistry faculty must complete each students evaluation.

Attitudes:

An instrument will be developed within the Department to assess students attitudes toward the faculty and the curriculum.

80% of the graduates will rate the Department as satisfactory or better on a survey of graduates.

80% of the employees/graduate schools will rate graduates of the chemistry degree program as satisfactory of better in follow-up surveys.

