



STUDENT LEARNING OUTCOMES

COLLEGE OF SCIENCES CHEMISTRY - B.S./B.A.

Discipline Specific Knowledge, Skills, Behavior and Values

1. Students graduating from our program will have knowledge of chemistry that compares favorably to national averages. Evaluation will be based on knowledge and critical thinking in the common sub-disciplines of chemistry: Physical, Organic, Inorganic, and Analytical. Additional assessment indicators include Biochemistry and Critical Thinking and Reasoning
2. Students graduating from our program will have a high a level of satisfaction in how well they were prepared for their career path. The level of satisfaction will be measured by means of a comprehensive survey of graduating students in the program and their application and/or acceptance to graduate and professional programs.
3. Graduates will be able to carry out a literature review and demonstrate critical thinking skills sufficient to allow them to conduct substantial research projects.
4. Students will demonstrate mastery of written communication skills appropriate to chemistry research.

Critical Thinking

1. Students graduating from our program will have knowledge of chemistry that compares favorably to national averages. Evaluation will be based on knowledge and critical thinking in the common sub-disciplines of chemistry: Physical, Organic, Inorganic, and Analytical. Additional assessment indicators include Biochemistry and Critical Thinking and Reasoning
2. Students graduating from our program will have a high a level of satisfaction in how well they were prepared for their career path. The level of satisfaction will be measured by means of a comprehensive survey of graduating students in the program and their application and/or acceptance to graduate and professional programs.
3. Graduates will be able to carry out a literature review and demonstrate critical thinking skills sufficient to allow them to conduct substantial research projects.
4. Students will demonstrate mastery of written communication skills appropriate to chemistry research.

Communication

1. Students graduating from our program will have a high a level of satisfaction in how well they were prepared for their career path. The level of satisfaction will be measured by

means of a comprehensive survey of graduating students in the program and their application and/or acceptance to graduate and professional programs.

2. Graduates will be able to carry out a literature review and demonstrate critical thinking skills sufficient to allow them to conduct substantial research projects.
3. Students will demonstrate mastery of written communication skills appropriate to chemistry research.

Assessment of Chemistry - B.S./B.A. Outcomes

These outcomes will be assessed using a variety of assessment methods, including:

- Tests
- Laboratory reports
- Seminar development
- Papers
- Presentations