

**Student Learning Outcomes**

College of Science  
M.S. in Chemistry (Thesis Option)

1. Graduate students will acquire an advanced understanding of concepts in areas related to their thesis research and area of specialty.

2. Graduate students will acquire an advanced understanding of concepts in physical chemistry and a minimum of 2 subdisciplines outside of physical chemistry (Analytical, Biochemistry, Inorganic, Organic, Materials, Medicinal) through completion of graduate level coursework.

3. Graduate students will develop skills to be competent instructors of undergraduate students.

4. Graduate students will be able to explain in technical written and oral formats an advanced understanding of a current topic in the chemical literature.

5. The department will maintain high graduate student satisfaction with the program.

College of Science  
M.S. in Chemistry (Non-Thesis Option)

1. Graduate students will acquire an advanced understanding of concepts in physical chemistry.

2. Graduate students will acquire an advanced understanding of concepts in a minimum of 2 subdisciplines outside of physical chemistry (Analytical, Biochemistry, Inorganic, Organic, Materials, Medicinal) through completion of graduate level coursework.

3. Graduate students will be able to explain in technical written and oral formats an advanced understanding of a current topic in the chemical literature.

4. The department will maintain high graduate student satisfaction with the program.