

MS PROGRAM, DEPARTMENT OF CHEMISTRY

The program learning outcomes for the M.S. program in chemistry are as follows:

Independent and critical thinking:

- Graduate students should demonstrate the ability to critically review the literature pertaining to their research projects, and connect the earlier literature to their own results. Evidence for this independent and critical thinking process should extend through the students' interpretation of their experimental data.

Fundamentals of chemical instrumentation/software:

- Graduate students should demonstrate a thorough understanding of the applications and basic principles of the chemical instrumentation and/or software vital to their thesis projects.

Written/oral communication skills:

- Graduate students should demonstrate the ability to effectively communicate their research ideas and findings both orally and in writing.

Chemical principles:

- Graduate students should demonstrate a thorough understanding of the chemical principles related to their area of research.