

CHEMICAL ENGINEERING, M.S.

Learning Outcomes

- Graduates of the MS program will acquire and demonstrate expertise in the core subject areas of chemical engineering, which are chemical process analysis, thermodynamics, fluid flow analysis and mass transfer.
- Graduates of the MS program will acquire a working knowledge of various areas of chemical science and technology and in allied fields, including other engineering disciplines, business, the sciences, and/or mathematics. They will successfully complete three elective courses - these courses will be approved by their advisors and the Graduate Director.
- Graduates of the MS program will be made aware, through attendance at seminars and conferences, of advances at the frontiers of knowledge in chemical science and technology.
- Graduates of the MS program will acquire the ability to identify pertinent research problems, to formulate and execute a research plan, to generate and analyze original research results, and to communicate those results through oral presentations and written publications submitted to refereed archival journals.
- Graduates of the MS program will acquire the basic skills needed for life-long learning and professional development.