B.S. Chemistry
Learning Outcomes

The chemistry department has set a list of eight learning outcomes that undergraduate students are expected to have upon graduation with a B.A. or B.S. degree in chemistry. Specifically, undergraduate students upon graduation with a B.A. or B.S. degree in chemistry will:

- Be able to comprehensively review and clearly communicate concepts among all five disciplines of chemistry: analytical, inorganic, organic, physical, and biochemistry.
- Be able to design and carry out chemical experiments, record data and analyze results.
- Be able to use instrumentation to collect and record data for chemical experiments.
- Be able to provide clear rationale for independent statements and conclusions by using problem solving, critical thinking, and analytical reasoning skills.
- Be able to use modern library retrieval methods to obtain information about a topic related to chemistry.
- Be able to practice/implement standard safety procedures and regulations for safe handling and use of chemicals.
- Be able to proficiently explain and apply, both orally and in writing, core chemical principles to the results of experiments and to representative problems.
- Be able to carry out all chemistry related tasks ethically which can include carrying out experiments, recording and analyzing data, presenting and publishing scientific findings.