Student Learning Outcomes

University of North Carolina at Greensboro

Provost & Academic Affairs

College of Arts and Sciences

Chemistry & Biochemistry

Chemistry (BS)

SLO01: Apply Chemical Principles and Problem Solving
Students will be able to apply problem solving skills and the fundamental principles of chemistry in addressing chemical problems.

SLO02: Conduct Laboratory Work Safely
Students will practice the principles associated with safe and environmentally friendly work in the laboratory.

SLO03: Demonstrate Command of Chemical Literature
Students will communicate information obtained from the chemical literature to their peers and faculty.

SLO04: Demonstrate Knowledge of Scientific Ethics
Students will demonstrate fundamental concepts of ethical behavior and the importance of integrity of scientific data, record keeping, and reporting.

SLO05: Demonstrate Knowledge of Molecular Structure and Reaction
Students will demonstrate knowledge of structure, bonding and reaction mechanisms for organic, inorganic and biochemical molecules.

SLO06: Proficiency with Compound Synthesis
Students will demonstrate proficiency with the methods of independent synthesis and characterization of chemical compounds.

SLO07: Proficiency at Qualitative and Quantitative Methods
Students will be able to analyze chemical samples using qualitative and quantitative methods and appreciate the limits of the analysis.

SLO08: Write Lab Reports at Professional Level
Students will be able to communicate the results of their laboratory work in a professional written report.
**Filter Criteria**

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