

Program Specific Learning Outcomes for Chemistry

- Demonstrate an understanding of principles and theories of chemistry including atomic and molecular structure, periodic law, ionic theory, behavior and properties of gases, liquids, and solids, oxidation-reduction, equilibrium, kinetics, thermodynamics, radioactivity and nuclear reactions.
- Demonstrate proficiency in organic chemistry including nomenclature, structure, reactions, and reaction mechanisms, stereochemistry, and spectral analysis.
- Apply mathematical foundations to solve chemical problems.
- Evaluate and assess the uses of chemical applications and technologies.