This is a lecture and laboratory course that covers the fundamental concepts of chemistry. This course assumes no previous knowledge of chemistry, presenting both chemical problem solving and laboratory skills. This course is intended primarily to prepare students for CHEM 131:

- Front Matter
- 1: The Chemical World
- 2: Measurement and Problem Solving
- 3: Matter and Energy
- 4: Atoms and Elements
- 5: Molecules and Compounds
- 6: Chemical Composition
- 7: Chemical Reactions
- 8: Quantities in Chemical Reactions
- 9: Electrons in Atoms and the Periodic Table
- 10: Chemical Bonding
- 11: Gases
- 12: Liquids, Solids, and Intermolecular Forces
- 13: Solutions
- 14: Acids and Bases
- Back Matter