

After completing CHEM 192, students will be able to:

- Apply the scientific method.
- Use units of length, mass, volume and temperature in calculations.
- Identify physical and chemical properties as well as states of matter.
- Use chemical nomenclature and gather information from the periodic table.
- Balance chemical equations and perform simple stoichiometric calculations.
- Describe the atomic structure.
- Apply quantum numbers to identify atomic orbitals.
- Write electron configurations and analyze periodic trends of atomic properties.
- Apply gas laws in a variety of calculations.
- Describe the properties of liquids and solutions including colligative properties.