

After completing CHEM 410, students will be able to:

- Apply the scientific method.
- Develop appreciation for the chemistry field as it applies to the biological field.
- Use chemical terminology to describe chemical processes.
- Perform simple calculations using the metric system.
- Describe radioactive chemistry: its biological effects and medical applications.
- Describe the properties of gases and perform simple calculations.
- Perform simple calculations using heat energy and caloric values.
- Analyze the factors that affect solubility.
- Describe osmosis and dialysis.
- Identify acids, bases, buffers and neutralization reactions.
- Recognize the main functional groups in organic chemistry.
- Classify carbohydrates.
- Describe the classes of lipids and their biological significance.
- Define aminoacids, peptides, proteins and enzymes. Indicate biological significance derived from chemical structural differences.