

## DEPARTMENT OF CHEMISTRY

### PROGRAMME SPECIFIC OUTCOMES

Upon successful completion of three year degree program in chemistry a student should be able to:

- (1) Gain the theoretical as well as practical knowledge of chemistry.
- (2) Apply their knowledge to explain nomenclature, stereochemistry, structure, reactivity and mechanism of organic chemical reactions.
- (3) Identify different types of chemical formula and apply to solve numerical problems in chemistry.
- (4) Learn clean and safety laboratory practices make aware and handle the modern sophisticated instruments.
- (5) Familiarize with principle of analytical chemistry and basic analytical techniques to organic compounds.
- (6) Identify problem and apply sustainable art and design practices.
- (7) Easily access the properties of all elements.
- (8) Understand the causes of environmental pollution and can open up new methods for controlling pollution.
- (9) Apply greener synthesis process to organic compounds.
- (10) Develop research oriented ideas.