1) Our students will be able to understand and apply fundamental biological principles from the major content areas of the curriculum which include the following six learning themes:
   a. Evolution
   b. Energy Transfer
   c. Information Flow
   d. Relationship between Form and Function
   e. Emergent Properties of Complex Systems
   f. Homeostasis

2) Our students will be able to demonstrate effective skills related to analysis, synthesis, and evaluation of scientific work including their written communication, which include the following learning themes:
   a. Effective application of laboratory and/or field techniques
   b. Proficiency in data and statistical analyses
   c. Effective reasoning and interpretation skills
   d. Ability to draw biological conclusions from raw data

3) Our students will be able to demonstrate effective skills in the oral communication of scientific work which include the ability to communicate on all aspects of the following learning themes:
   a. Effective application of laboratory and/or field techniques
   b. Proficiency in data and statistical analyses
   c. Effective reasoning and interpretation skills
   d. Ability to draw biological conclusions from raw data