• Demonstrate broad and in-depth knowledge of general biological concepts and their relations to each other.

• Understand and practice scientific inquiry through observation and experimentation including logic of experimentation, data analysis and ethical implications.

• Have the ability to carry out laboratory and/or field experiments including analysis and interpretation of results.

• Demonstrate the ability to critically read and evaluate scientific literature.

• Have the ability to communicate findings in standard scientific formats in both oral and written modes.