

## **BSc in Biological Science Program Program Intended Learning Outcomes**

Upon successful completion of the program, students will be able to:

1. Understand and explain in detail the relationship between the structure and function of life forms. (**Knowledge**)
2. Synthesize knowledge from a range of study areas to formulate integrated solutions to academic, research, experimental and day-to-day problems in the biological sciences. (**Execution**)
3. Critically evaluate scientific data and apply scientific methods to analyze, draw conclusions and offer sound arguments to justify a position. (**Judgment**)
4. Effectively communicate scientific concepts to specialists as well as to a lay audience through oral and written presentations. (**Communication**)
5. Work independently as well as collaborate effectively in a team to solve scientific problems. (**Interpersonal Skill & Leadership**)
6. Critically appraise the role of the biological sciences in assessing the balance between living organisms and the ecosystem and the impact on society, both positive and negative, of past, current or future imbalances. (**Appreciation of Science**)
7. Draw on scientific knowledge in developing a principled worldview and apply this to persuading and influencing others through informed discussion of the impact of science, both as a force for progress and as an agent of harm. (**Ethical Practice**)
8. Take personal responsibility for identifying and exploiting the key factors that are conducive to a successful professional life. (**Self-reflection**)
9. Take personal responsibility for developing an international perspective on up-to-date scientific advances and on-going biological science-related issues. (**International Outlook**)