

BSc in Environmental Science Program Program Intended Learning Outcomes

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

1. Understand and examine the environment as an integrated system involving air, land, water and human activities. (**Knowledge**)
2. Synthesize knowledge from a range of study areas to formulate solutions to environmental problems. (**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 and Leadership**)
6. Critically appraise the role of environmental science in influencing, both positively and negatively, the balance between human society and the natural world and its contribution towards the goal of achieving sustainability. (**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. Evaluate personal progress and capabilities and develop strategies to identify and make best use of key factors that will contribute to a successful professional life. (**Self-reflection**)
9. Develop a global perspective in conjunction with scientific knowledge to evaluate issues in environmental science. (**International Outlook**)