

Bachelor of Science (Biodiversity and Conservation) with Honours

A. UNIVERSITY

1. UTHM Vision

Towards a world class university in engineering, science and technology for sustainable development

2. UTHM Mission

UTHM is committed to generate and disseminate knowledge, to meet the needs of industry and community and nurturing creative and innovative human capital, based on tauhidic paradigm

3. UTHM Education Philosophy

The education and training in this university is a continuous effort to lead in the market oriented academic programmes. These programmes are student-focused and are conducted through experiential learning in order to produce well trained human resource and professionals who are catalysts for a sustainable development

B. PROGRAMME

1. Programme Aims

This 4-yr programme is an up-to-date (adapting to current scenario), encompassing multi- and interdisciplinary approach, and provides a balanced theory and application of biodiversity and conservation to teaching and learning. The goal of this programme is to produce students who are holistic and well-rounded on issues and concerns pertaining to biodiversity and conservation, equipped with theoretical and practical knowledge that they can apply in their respective careers in the future, and ethically and morally committed to contribute to the development of society.

2. Programme Educational Objectives (PEO)

The programme educational objectives for Bachelor of Science (Biodiversity and Conservation) with Honours programme (BWW) are to produce graduates who are able to:

PEO	Description	Key Performance Index (KPI)
PEO 1	Engaged in addressing the loss of biodiversity by employing the best strategy, ethically and technologically. [PLO 1, PLO 2, PLO 3, PLO4, PLO 11]	60% working in conservation-related government agencies and non-governmental entities
PEO 2	Renowned professionals who participate with various stakeholders in promoting conservation through valuing biodiversity in an economic and sustainable context. [PLO 1, PLO 4, PLO 5, PLO 8, PLO 9, PLO 10, PLO 11]	30% working in industry (tourism, 10% working in the environmental, education and herbal consulting sectors, etc.)

PEO 3	Involved in the process of environmental policy and decision making at the state, federal or regional levels to legally protect biodiversity. [PLO 1, PLO 6, PLO 7, PLO 8]	5% working with federal ministries or various environmental related agencies
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3. Programme Learning Outcomes (PLO)

The programme learning outcomes for Bachelor of Science (Biodiversity and Conservation) with Honours programme (BWW) are to produce graduates who are able to:

PLO 1	Knowledge and Understanding	Apply knowledge and comprehension of the concepts of biodiversity and conservation in addressing environmental issues.
PLO 2	Cognitive Skills	Apply critical thinking in identifying and addressing current issues concerning biodiversity and conservation.
PLO 3	Practical Skills	Exhibit competent practical skills in conducting laboratory and field exercises that are essential in determining the current status of biodiversity.
PLO 4	Interpersonal Skills	Exhibit good interpersonal skills in fulfilling individual and group tasks when tackling issues pertaining to biodiversity and conservation.
PLO 5	Communication Skills	Demonstrate effective oral and written communication skills in promoting biodiversity and conservation.
PLO 6	Digital Skills	Manipulate data using appropriate digital tools in analyzing, presenting and assessing trends in biodiversity and conservation.
PLO 7	Numerical Skills	Perform numerical analysis and forecast trends in biodiversity and conservation.
PLO 8	Leadership, Autonomy and Responsibility	Adopt good leadership and social responsibility in dealing with stakeholders upholding biodiversity and conservation.
PLO 9	Personal Skills	Engage in continuous enhancement of knowledge in the field of biodiversity, conservation and related discipline.
PLO 10	Entrepreneur	Develop entrepreneurial mindset in planning economical and sustainable use of biodiversity.
PLO 11	Ethics and Professionalism	Conduct tasks ethically and professionally in exploring technologies and valuing economic potentials of biodiversity.