

Graduate Profile: Bachelor of Science Degree

Bachelor of Science (BSc) degree holder of the Faculty of Science of the University of Kelaniya will be an enthusiastic, honest, responsible, emotionally mature, assertive, motivated life-long learner with;

- comprehensive knowledge on the principles, concepts and practices of the areas of biological sciences or physical sciences;
- ability to apply knowledge obtained efficiently and effectively to identify, analyze and find appropriate solutions to the real-world problems;
- proficiency to use ICT or any relevant technologies appropriately to identify, access, organize, process, evaluate and synthesize quantitative and qualitative information;
- Ability to communicate information effectively and convincingly to diverse audiences;
- intercultural perspective and respect for human rights;
- ability to adapt, work independently and in collaboration with others;
- ethical conduct, professional integrity, punctuality and managerial skills.

Intended Learning Outcomes of the BSc Degree Programme

- Demonstrate the comprehensive knowledge and understanding of biological sciences or physical sciences, concepts, principles and practices, therein.
- Represent the real-world problems in scientific framework using the concepts and principals in biological sciences or physical sciences
- Collect qualitative and quantitative data; analyze and interpret in logically and accurately
- Develop arguments and make sound judgement in accordance with basic theories and concepts of biological sciences or physical sciences
- Apply knowledge and understanding of the principles, concepts and practices of biological sciences or physical sciences towards solving the problems
- obtain information, organized, analyze and use them effectively using ICT and other relevant technologies
- adopt emerging technologies leading to better and efficient solution
- communicate effectively convincingly to diverse ordinances
- work effectively with team member and stakeholders, displaying the skills of listening, negotiating and leadership
- integrate and work in different cultures and sub cultures, and respect their values
- adapt, work independently and in collaboration with others
- identify the ethics and exercise them
- maintain professional integrity, punctuality and practice effective managerial skills.