

Bachelor of Science (Honours) in Science for Education and Communication with specialisation in Biology

Learning outcomes:

By following the programme, you will:

(a) Subject Knowledge & Understanding

- explore various facets of your subject specialization
- demonstrate a sufficient breadth of scientific knowledge outside your area of specialization
- analyse how various historical and social factors influence scientific discovery and innovation

(b) Intellectual development

- integrate basic facts, principles, theories and methods from multiple science disciplines
- identify the interactions of science, technology, engineering, art and mathematics (STEAM) and society
- apply scientific principles to real-life contexts
- distinguish between myth, philosophy and science and discuss the answers to the 'big' questions

(c) Key/transferable skills

- assess the educational potential of community sites
- recognize the various educational needs related to science education and communication of different members of the community
- analyse phenomena using scientific principles and methodologies
- plan communication strategies to engage various audiences in science

(d) Other skills relevant to employability and personal development

- display skills for scientific problem-solving
- support community spaces and institutions in the promotion of science education and communication initiatives
- plan, organise and implement science education and communication initiatives in various community settings.