



**Bachelor of Science (Honours) in Science for Education and Communication with Specialisation in Physics**

**Learning outcomes:**

As a student following the programme, you will:

**(a) Subject Knowledge & Understanding**

- explore various facets of their subject specialization
- demonstrate a sufficient breadth of scientific knowledge outside their 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