

Science

Pre-Health

Pre-Health Studies NCEA Level 2-4

Designed and recognised as a qualification for entry to the Polytechnic Nursing Degree and Nurse Assistant Programme. This course is also suitable for students who want to equip themselves better to study other health related courses such as veterinary nursing. Students can gain credits towards the National Certificate in Community Support which would be valuable in securing caregiver positions.

Students who have English as their second language will be required to sit an English test prior to interview for this course.

Pre-Health Biology – 13BPH

- Cells and cell chemistry, living human cells and their processes.
- Biological systems, human organ systems, their structures and functions.
- Internal control mechanisms of the human body from a cellular level to the sensitivity and coordination of the body as a whole.
- Health and the various factors which lead to disease of the human organism.

Chemistry/Maths – 13CPH

- Use of chemicals and apparatus and developing a scientific vocabulary. Chemical bonding using a model of atomic structure, identification of ions.
- Organic, body and environmental chemistry. Carbon compounds and their relationship to our body and the environment.
- Scientific calculations. Basic mathematical skills and problem solving.
- Chemical changes.

Practical Work Placement - 13PPH

- Practical placement in healthcare industry or veterinary surgery leading to general workforce and health industry specific qualifications.
- Individualised workplace support.

Duration: 16 hours/week tuition plus 4 hours of key competency development.

Credits: 30 Internal. Level 2:6/ Level 3:7/Level 4:17.

Entry Requirements: 18 years plus interview. Students who have English as their second language will be required to sit an English test prior to interview for this course.

Materials Fee: \$220 (includes first aid certificate)

Psychology

Introduction to Psychology -11PSY NCEA Level 1

This programme of study will introduce selected topics and skills in the area of psychology. Questions and suggestions will be made to address issues that include why individuals and groups do what they do; how to stop people being manipulated; and the distortion of memories.

Credits: Internal (unit standards).

Entry Requirements: Completion of Year 10.

Materials Fee: \$10

Psychology -12PSY NCEA Level 2

This course uses the context of psychology to engage students in learning and to improve student decision making in relation to self and to others. Students develop a richer view of human behaviour by using a variety of conceptual perspectives and scientific methodologies.

Some of the contexts are:

Social influence, effects of crowding, phobias, aggression, attachment, cognitive and moral development, memory and stress, prejudice, and animal observation at Orana Park.

Credits: 22 Internal.

Entry Requirements: Evidence of achievement at NCEA Level 1 in English/Maths/Science or equivalent.

Materials Fee: \$10

Psychology -13PSY NCEA Level 3

Brain, Behaviour and Scientific Method
Relating brain structure and chemistry to behaviour. Investigating the brain's ability to multi-task and human attractiveness using the experimental and survey research methods.

Intelligence

Critically evaluating the evidence for the genetic and environmental determination of intelligence.

Abnormal Behaviour

The classification and treatment of mental disorders.

Social Psychology

Describe and critically analyse a chosen research article in social psychology.

Credits: 28 Internal.

Entry Requirements: Year 12 Psychology (12PSY) or equivalent.

Materials Fee: \$10

