LEVEL 3 BIOLOGY
3BIO

What is this course about?

In this course you will develop a better understanding of what it means to be both human and a biologist. You will develop an understanding of human survival and homeostasis, primate characteristics and behaviour, and the importance of evidence, including genetic evidence, to the continued development of theories to do with both speciation and human evolution.

What sorts of things will I do?

From developing understanding of biology knowledge and skills you will be involved in applying your understanding by carrying out further investigations. The investigations will range from research, to animal behaviour studies, to using models to explain biology ideas. In biology you will work both inside and outside the classroom.

Learning capabilities/ critical skills

Significant Learning

- Engage with the iterative process of biology investigation through innovation, problem solving, inquiry, collaboration, and evaluation
- Recognise how different approaches can be used in biology investigations
- Consider mātauranga Māori and Pacific knowledges alongside biology in contexts that relate to Aotearoa New Zealand and the Pacific
- Identify interrelationships between biology practices, technological advances, mātauranga Māori, and the practical advancement of science knowledge
- Recognise that biology ideas are developed through critical and creative thinking, regulated by evidence
- Recognise that biology ideas are communicated using language, symbols and texts specific to chemistry
- Consider how the values and needs of a society can influence the focus of biology endeavours
- Use biology understanding to critique claims or predictions made in communicated information

Rangatiratanga: (as it appears in the Hikairo Schema)

Rangatiratanga (self-determination) supports ākonga to achieve. Thinking and meaning-making are promoted. Learning is meaningful and connected.

To experience success, students will have opportunities to develop their learning dispositions through:

Engagement:

- Use of inquiry approaches to direct learning.
- Consider multiple perspectives on controversial topics to help formulate and understand their personal perspectives.
- Student agency is encouraged by utilising tuakana to guide teina. This includes modelling, guidance, and practice opportunities.

Managing self:

- Overcome roadblocks in learning by building resilient behaviours.
- Use peer-to-peer evaluation, inquiry-based learning, and input into assessment design to support the development of characteristics of leadership of self.

Learning relationships:

- Use of ako and tuakana-teina to lead learning activities.
- Engage in feedback loops that are purposeful, constructive, and acknowledge effort and achievement.

What standards can I enter?

Your teacher will work with the whole class and with you to devise a learning programme that is responsive to your strengths, interests, and one that sets you up to aim high and achieve your potential.

NCEA Level	Standard Number	Name of standard	Assessment mode	Credits (W/R)	Time frame
3	91601	Carry out a practical investigation in a biological context, with guidance	**Internal:** Practical Investigation Report	4	Term 1
3	91604	Demonstrate understanding of how an animal maintains a stable internal environment	**Internal:** Report	3 R	Term 1 to 2
3	91602	Integrate biological knowledge to develop an informed response to a socio-scientific issue	**Internal:** Report	3 R	Term 2
3	91606	Demonstrate understanding of trends in human evolution	Exam	4 R/W	Term 3
3	91605	OPTIONAL: Demonstrate understanding of evolutionary processes leading to speciation	Exam	4 R/W	Term 3

Key for Credits column:

R - UE reading literacy W - UE writing literacy

Scholarship Opportunity

In this subject area - Scholarship opportunity looks like:

- Joining and engaging the Scholarship Google classroom
- Attending and engaging in externally offered Webinars
- Doing further reading beyond the demands of the core 3BIO course
- All NCEA level 2 and 3 available standards are examined by the Scholarship examination at the end of the year. Students will be expected to be doing this extra learning as part of their course.
- Depending on student interest, we may negotiate one workshop a term.

Frequently asked questions

What do I need to do to gain entry? Check out the entry requirements of the courses you wish to apply for.

I wish to gain entry for nursing or midwifery - what does entry usually require? Entry requires 18 credits, so this means that the two externals are required. But as always please check the entry requirements of the course you are applying for as it depends on the university.