

# Environmental Science



“The tutors are easy to talk to. They see the potential in us.”

TRADES ACADEMY STUDENT



CELEBRATING  
10 years  
OF TOP OF THE SOUTH  
TRADES ACADEMY!

If you're interested in the environment and the world around you, but would rather be in the outdoors than in the classroom, then this is the programme for you.

The level 3 Environmental Science programme is designed to bring science to life through a series of field-based, environmental investigations. The programme focus is on developing an understanding of environmental science, environmental management and traditional Māori environmental management practices. Students will carry out practical activities and investigations at sites throughout the top of the south.

Students will have the opportunity to investigate the ecological niches of local animals and plants, as well as exploring the habitats of native freshwater and marine fish and shellfish.

You do not need to have taken Level 1 or 2 Science options at school to be eligible for this programme.

► For more information on what you will learn and the credits you can achieve in this programme, go to the Trades Academy website and follow the course information links.

**On completion of this course you will be able to:**

- Describe the ecological niche of an animal species.
- Investigate and report a variable of an animal species' ecological niche.
- Describe the ecological niche of a plant species.
- Investigate and report a variable of a plant species' ecological niche.
- Explain kaitiakitanga in terms of how Māori interact with the natural environment.
- Explain the use of tikanga Māori as part of exercising Kaitiakitanga.
- Plan a local Kaitiakitanga activity.
- Evaluate and carry out a local kaitiakitanga activity.
- Describe a native freshwater and a native marine fish or shellfish species.
- Describe the use of a native freshwater and a native marine fish or shellfish species as kai.
- Explain harvesting and processing of a native freshwater and a native marine fish or shellfish species.

## TRAINING PATHWAYS

TRADES ACADEMY TRAINING

- Certificate in Conservation (Operations)
- Certificate in Horticulture
- Diploma in Aquaculture
- Diploma in Applied Science
- Diploma in Environmental Management
- Bachelor of Science
- Bachelor of Environmental Science
- Bachelor of Aquaculture and Marine Conservation

## EMPLOYMENT OPPORTUNITIES

- Conservation Ranger
- Aquaculture Farmer
- Environmental Scientist
- Fishery Officer
- Biosecurity Officer
- Fishing Skipper
- Marine Biologist
- Arborist
- Field Technician
- Horticulturalist

Head to our website [tradesacademy.ac.nz](http://tradesacademy.ac.nz) to read the personal accounts of our past graduates and students.



 [office@tradesacademy.ac.nz](mailto:office@tradesacademy.ac.nz)  
[tradesacademy.ac.nz](http://tradesacademy.ac.nz)



**NCEA:** Level 3



**Starts:** Term 1 and 2 intakes



**Time:** 4 x four day block courses (includes overnight)



**Location:** Whenua Iti Outdoors

Note: If circumstances change there could be a mix models of delivery e.g online, face to face one day per week or block options.