## Genetics & Agriculture

## Bachelor of Science (BSc) Genetics



200 lovel

## Description

Discover the essential role of genetics and genomics in plant and animal breeding, focusing on species critical to New Zealand's economy.

- Combine theoretical knowledge with practical skills to analyse genetic variations and apply modern selective breeding techniques.
- Develop expertise in computational tools, statistics, and bioinformatics essential for advanced breeding methods.
- Learn about Te Ao Māori, including mātauranga and tikanga, and how they intersect with modern genetics and genomics.
- Prepare for careers in research, academia, or applied fields, particularly in New Zealand's thriving primary breeding industry, where these skills are in high demand.

## Recommended structure

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100-level	200-level	300-level
Core papers:	Core papers:	Core papers:
CHEM 191	GENE 221	<b>GENE 312</b>
CELS 191	<b>GENE 222</b>	GENE 314
Suggested papers:	GENE 223	GENE 315
AGRI 101	Suggested papers:	Suggested papers:
BIOC 192	AGRI 221	AGRI 323
BIOL 123	BTNY 201	PLB 301
COMP 120	INFO 204	ZOOL 313
STAT 110 OR 115	STAT 210	GENE 360*

200 lovel



