

Evolution and Conservation Genetics

Bachelor of Science (BSc) Genetics



Description

Discover how genetics shapes the evolution of species and supports conservation efforts through the study of evolutionary history and conservation genetics.

- Focus on computational tools, statistics, and bioinformatics to study genetic data and evolutionary patterns across species.
- Explore the intersection of genetics and conservation, gaining essential knowledge in genetic diversity, adaptation, and the challenges of conserving species.
- Prepare for careers in research, academia, or applied fields.
- Enhance your understanding with papers in ecology, zoology, and marine science for a broader ecosystem perspective.

Recommended structure

100-level

Core papers:

CHEM 191

CELS 191

Suggested papers:

BIOL 112

BIOL 113

ECOL 111

MARI 112

STAT 110 OR 115

200-level

Core papers:

GENE 221

GENE 222

GENE 223

Suggested papers:

BTNY 202

STAT 210

STAT 260

ZOOL 221

ZOOL 222

300-level

Core papers:

GENE 312

GENE 314

GENE 315

Suggested papers:

BTNY 301

ZOOL 316 or 319

GENE 360*

Suggested minors: Statistics, Māori studies, Marine Science, Zoology, Ecology and Botany.

*Recommended for GENE majors planning to go on to post-graduate studies such as BSc (Hons), PgDipSci, MSc and PhD.



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