Microbial Genetics

Bachelor of Science (BSc) Genetics

University of Otago
ŌTĀKOU WHAKAIHU WAKA

Description

This pathway emphasises understanding the genetic mechanisms governing microbial and viral life cycles, diversity, and interactions with their hosts, integrating genetics with microbiology.

Graduates will be prepared for careers in research, public health, pharmaceuticals, and biotechnology, contributing to advancements in infectious disease control, vaccine development, and antimicrobial therapies.

Recommended structure

100-level

Core papers:
CHEM 191
CELS 191

Suggested papers:
HUBS 191
HUBS 192
STAT 110 OR 115

200-level

Core papers:
GENE 221
GENE 222
GENE 223

Suggested papers:
BIOC 221
MICR 221
MICR 223
STAT 210
STAT 260

300-level

Core papers:
GENE 313
GENE 314
GENE 315

Suggested papers:
BIOC 352
MICR 337
MICR 335
GENE 360*

Learn more

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