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# Genetics Pathway

Genetics can explain  
our past and shape  
our future



# GENETICS PATHWAY

Our Graduates are changing the future of...

Health & Medicine  
Cancer  
Conservation

Genomics  
Agriculture  
Evolution

Journalism  
Biotechnology  
Scientific Ethics

*to name but a few.*



## POSTGRADUATE DEGREES

Doctor of Philosophy (PhD)  
Master of Science (MSc)  
Bachelor of Science with Honours (BSc(Hons))

## DIPLOMAS

Postgraduate Diploma in Science (PGDipSci)  
Diploma for Graduates (DipGrad)

## THIRD YEAR [300-level]

Evolutionary Genetics  
Medical Genetics  
Developmental Genetics  
Genomes  
Advanced Molecular Biology & Informatics  
Molecular Microbiology

## SECOND YEAR [200-level]

Molecular and Microbial Genetics  
Genes, Chromosomes and Populations  
Developmental and Applied Genetics

## FIRST YEAR [100-level]

CELS 191 & CHEM 191  
Plus two of  
BIOL 112, BIOL 123, **BIOC192**, ECOL 111,  
HUBS 191, HUBS 192, MATH 151, MATH 160,  
**STAT 110** or **STAT 115**  
*(Papers in bold are highly recommended)*

## Level 3 NCEA

YEAR 13  
Chemistry, Biology & Mathematics  
*(Recommended but not essential)*

YEAR 12  
Biology  
*(Recommended but not essential)*

[otago.ac.nz/genetics](http://otago.ac.nz/genetics)