

# Doctor of Biotechnology

★ Courses are subject to change.

Course Title	Credit Hours
Biosystems Engineering	3
Industrial Microbiology	3
Biotechnology	3
Genetic Technology	3
Agricultural Biotechnology	3
Food Biotechnology	3
Food Preservation	3
Food Processing	3
Bioprocessing of Byproducts	3
Cell Bioenergetics	3
Molecular Genetics	3
Genetic Improvement	3
Biochemical Engineering	3
Industrial Microbiology	3
Dissertation	18
<b>Required Credit to Complete</b>	<b>60</b>



# Master of Biotechnology

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Course Title	Credit Hours
Bioinformatics	3
Food Preservation	3
Bioprocessing of Byproducts	3
Cell Bioenergetics	3
Molecular Genetics	3
Genetic Improvement	3
Biochemical Engineering	3
Introduction to Biotechnology	3
Recent Developments in Biotechnology	3
Case Studies in Biotechnology	3
Thesis	6
<b>Required Credit to Complete</b>	<b>36</b>



# Bachelor of Biotechnology

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Course Title	Credit Hours
Anatomy & Physiology	3
Principles and Philosophy of Natural Medicine	3
Foundations of Research	3
Herbal Medicine 1	3
Anatomy & Physiology 2	3
Herbal Medicine 2	3
Rongoa Maori Healing Concepts	3
Biochemistry of Foods	3
Pathophysiology 1	3
Nutrition 1	3
General Chemistry	3
General Chemistry Laboratory	3
Biology (I)	3
Biology (II)	3
General Biology Laboratory	3
Organic Chemistry	3
Organic Chemistry Laboratory	3
Introduction to Biomedical Techniques	3
Introduction to Plant Biotechnology	3
Biochemistry (I)	3
Genetics	3
Microbiology	3



# Bachelor of Biotechnology

Course Title	Credit Hours
Microbiology Laboratory	3
Animal Physiology	3
Plant Physiology	3
Biochemistry (II)	3
Biochemistry Laboratory	3
Biostatistics	3
Molecular Biology	3
Molecular Biology Laboratory	3
Cell Biology	3
Cell Biology Laboratory	3
Immunology	3
Virology	3
Applied Microbiology	3
Endocrinology	3
Stem Cell Medicine	3
Biochip Technique	3
Genetic Engineering	3
Research Project	3
<b>Required Credit to Complete</b>	<b>120</b>

