

**Bachelor of Applied Science (Biodiversity Management) – Year 3 (Awarded by Unitec)**

<b>MOE Code</b>	<b>Level</b> 7	<b>Duration</b> 1 academic year (full-time)
<b>Site(s)</b>	Raumanga Campus	
<b>Delivery</b>	Full-time, Intramural. Part-time option available	<b>Intakes</b> Semesters 1 and 2
<b>Aim</b>	Explore how ecosystems function and support biological diversity, and how managers of biodiversity are responding to increasing concern over the effect of human activities on the world. Find out how society views and influences the natural environment, and discover how social, cultural and policy frameworks influence management decisions. Develop an appreciation of the influence government agencies, non-statutory organisations and voluntary bodies have.	
<b>Graduate profile</b>	Graduates will be able to: <ul style="list-style-type: none"> <li>• Demonstrate a comprehensive knowledge of, and some solutions to, regional, national and global challenges to biodiversity management.</li> <li>• Engage appropriate resources for environmental investigation and critique how social, cultural and policy frameworks influence management decisions.</li> <li>• Apply practical skills to monitor ecosystems and analyse, comprehend and evaluate results.</li> </ul>	
<b>Career options</b>	Career options for graduates can include: Biosecurity officer; Conservation manager; Ecology consultant; Environmental officer; Fisheries officer; Geographic information systems (GIS) analyst; MAF quarantine officer; Regional parks manager	
<b>Further study</b>	Options include a range of post-graduate study in related fields such as: <ul style="list-style-type: none"> <li>• Post Graduate Diplomas or Masters degrees in Environmental Management; Environmental Science; Science</li> <li>• Graduate Diploma in Secondary Teaching</li> </ul>	
<b>Award(s)</b>	Bachelor of Applied Science (Biodiversity Management) <i>Awarded by Unitec</i>	
<b>Completion requirements</b>	120 credits, as listed in Programme Structure. <i>This programme has been accredited by NZQA. As it does not contain unit standards from the NZQF, credits are not reported to NZQA.</i>	
<b>Entry requirements</b>	Students must have graduated with the New Zealand Diploma in Environmental Management (Level 6) (B+ average required).	

<b>Programme structure</b>			
Unitec Code	Title	Credits	Level
<b>Compulsory courses</b>			
NSCI6739	Behavioural Ecology	15	6
NSCI6743	Applied Geographic Information Systems	15	7
NSCI7104	Restoration Ecology	15	7
NSCI7732	Conservation Science	15	7
NSCI7107	Biosecurity	15	7
NSCI7105	Advanced Field Surveying of New Zealand Biota	15	7
NSCI7731	Self-directed Study	30	7

<b>Course prescriptors</b>			
Title	Code	Credits	Level
<b>Behavioural Ecology</b>	<b>NSCI6739</b>	<b>15</b>	<b>6</b>
Aim: To develop an understanding of the ecological and evolutionary basis for animal behaviour; and the role behaviour plays in enabling animals to adapt to their environment.			
<b>Applied Geographic Information Systems</b>	<b>NSCI6743</b>	<b>15</b>	<b>6</b>
Aim: To develop understanding in the use and application of GIS, global positioning systems and remote sensing for environmental and wildlife mapping, monitoring and modelling.			
<b>Restoration Ecology</b>	<b>NSCI7104</b>	<b>15</b>	<b>7</b>
Aim: To enable the student to apply ecological theory to the practice of restoring damaged ecosystems, using existing restoration projects as reference sites.			
<b>Conservation Science</b>	<b>NSCI7732</b>	<b>15</b>	<b>7</b>
Aim: To understand how the knowledge of genetics and population dynamics can be used to influence conservation and wildlife management decisions.			
<b>Biosecurity</b>	<b>NSCI7107</b>	<b>15</b>	<b>7</b>
Aim: To provide an understanding of the impacts, management and risks of invasive alien species to New Zealand and beyond.			
<b>Advanced Field Surveying of New Zealand Biota</b>	<b>NSCI7105</b>	<b>15</b>	<b>7</b>
Aim: To provide advanced experience of taxonomy, field education and surveying techniques for a range of animals, plants and fungi.			
<b>Self-Directed Study</b>	<b>NSCI7731</b>	<b>30</b>	<b>7</b>
Aim: To provide students with an opportunity to complete an investigation into a negotiated topic related to their area of study using a range of research skills			