

PROGRAMME REGULATIONS

Bachelor of Applied Science (Animal Management and Welfare, Biodiversity Management and Science Communication)

To be read in conjunction with the [Bachelors Generic Regulations](#).

1. Programme Schedule

The Programme Schedule applies to the Unitec Bachelor of Applied Science (BAppSc) (Level 7, 360 Credits), including majors in Animal Management and Welfare, Biodiversity Management and Science Communication and including the exit qualification Diploma in Applied Science (DipAppSci) (Level 6, 240 Credits).

2. Programme Specific Admission

2.1 Specific Admission

To be admitted to this programme, all applicants must meet the following requirement in addition to the requirements set out in the Bachelor Generic Regulations:

2.1.1 Admission from Diploma in Veterinary Nursing

To complete a Bachelor in Applied Science in the Animal Management and Welfare major from the Diploma of Veterinary Nursing, students will have already completed 60 credits which are shared between the two programmes (Level 5: Contemporary Issues in Biology, Introduction to Animal Husbandry; Level 6: Companion Animal Behaviour, Animal Health and Welfare). Students with the Diploma in Veterinary Nursing will be able to cross-credit 180 credits towards the Bachelor of Applied Science. To complete the degree, students will then be required to follow a prescribed course of study (180 credits) as outlined in Table 1.

Table 1: Pathway from the Diploma in Veterinary Nursing towards major in Animal Management and Welfare

Course No.	Course Name	Credits
Semester 1		
Level 5		
15 credits Level 5 elective or above		15
Level 6		
NSCI6739	Behavioural Ecology	15
NSCI6741	Vertebrate Physiology	15
15 credits Level 6 elective or above		
Semester 2		
Level 6		
NSCI6730	Research Methods	15
NSCI6737	Animal Breeding and Nutrition	15
NSCI6738	Captive Wild Animal Management	15
Level 7		
NSCI7103	Anthrozoology	15
NSCI7731*	Negotiated Research	30
Semester 1 (of the 2nd year)		
Level 7		
NSCI7101	Global Issues in Animal Welfare	15
15 credits Level 7 elective (or level 6 if other electives already taken at level 7)		
Total available credits		180

*NSCI7731 continues through Semester 1 of the second year

3. Discretionary Admission

Applicants may be granted Discretionary Admission if they have:

- a minimum of 68 NCEA credits at Level 2 in their best 4 subjects, or have a maximum total of 12 in New Zealand Sixth Form Certificate in their best four subjects, or equivalent.

4. Selection

4.1 Selection Criteria

When the number of applications for admission exceeds the number of places available, the following selection criteria will be applied:

- Previous academic history;
- Motivation to complete the programme;
- Written and verbal communication skills; and
- General aptitude

The criteria are not ranked in any order. Applicants who meet the greatest number of criteria will be the preferred applicants.

4.2 Selection Process

- a. Relevant Academic Authority will select and offer places to students. Applicants will be selected on the basis of written information supplied on the enrolment form.
- b. Applicants may be required to attend an interview.

5. Requirements for the Award of the Qualification

5.1 Bachelor of Applied Science (with single major)

To be awarded the Bachelor of Applied Science (Animal Management and Welfare) or Bachelor of Applied Science (Biodiversity Management) or Bachelor of Applied Science (Science Communication), a student must successfully complete 360 credits according to the pattern set out in Table 2 and from a selection of courses set out in Table 3.

Table 2: Credit Accumulation

Course Level	Number of Credits
Level 5	120 compulsory credits (150 credits maximum)
Level 6	A minimum of 75 credits
Level 7	A minimum of 75 credits

Table 3: Course Details: Compulsory and Elective Courses for Bachelor of Applied Science (Animal Management and Welfare), Bachelor of Applied Science (Biodiversity Management) and Bachelor of Applied Science (Science Communication)

Compulsory courses shown in **bold and** Elective courses in *italics*.

Course No.	Course Name	Credits	Pre-requisites	Co-requisites
Level 5				
NSCI5730	Earth Processes	15		
NSCI5731	Principles of Ecology	15		
NSCI5735	Science and Society	15		
NSCI5104	Principles of Biology	15		
NSCI5738	Principles of Animal Husbandry	15		
<i>NSCI5740¹</i>	<i>Techniques in Field Biology</i>	15		
NSCI5103	Diversity of Life: Animals	15		
Level 5 – Animal Management and Welfare Major				
<i>NSCI5101</i>	<i>Diversity of Life: Plants and Fungi</i>	15		

¹ Note that NSCI5740 is an **Elective** course in the Animal Management & Welfare major and a **Compulsory** course in the Biodiversity major.

Course No.	Course Name	Credits	Pre-requisites	Co-requisites
NSCI5740 ²	<i>Techniques in Field Biology</i>	15		
NSCI5734	Contemporary Issues in Biology	15		
NSCI5702	Introduction to Animal Behaviour and Welfare	15		
Level 5 – Biodiversity Management Major				
NSCI5101	Diversity of Life: Plants and Fungi	15		
HSDV5734	Contemporary Issues in Biology	15		
NSCI5740 ³	Techniques in Field Biology	15		
Level 5 – Science Communication Major				
NSCI5101	Diversity of Life: Plants and Fungi	15		
Level 6 – Animal Management and Welfare Major				
NSCI6731	Companion Animal Behaviour	15		
NSCI6741	Vertebrate Physiology	15		
NSCI6730	Research Methods	15	Diploma in Veterinary Nursing (Level 6)	
NSCI6732	Animal Health & Welfare	15		
NSCI6737	Animal Breeding & Nutrition	15		
NSCI6746	<i>Ecological Risk and its Mitigation</i>	15		
NSCI6735	<i>Concepts in Biodiversity</i>	15		
NSCI6738	<i>Captive Wild Animal Management</i>	15		
NSCI6739	<i>Behavioural Ecology</i>	15		
NSCI6743	<i>Geographic Information Systems</i>	15		
NSCI6742	<i>Indigenous Knowledge</i>	15		

² Note that NSCI5740 is an **Elective** course in the Animal Management & Welfare major and a **Compulsory** course in the Biodiversity major.

³ Note that NSCI5740 is an **Elective** course in the Animal Management & Welfare major and a **Compulsory** course in the Biodiversity major.

Course No.	Course Name	Credits	Pre-requisites	Co-requisites
NSCI6747	<i>Pacific Veterinary Nursing Practicum</i>	15	<i>NSCI 5710-Animal Clinical Care Practicum, along with relevant recent clinical experience (at the relevant Academic Authority discretion)</i>	
NSCI6744	<i>Practicum</i>	15		
NSCI6748	<i>Molecular Genetics and Evolution</i>	15	NSCI 5104	
Level 6 – Biodiversity Management Major				
NSCI6730	Research Methods	15	Diploma in Veterinary Nursing (Level 6)	
NSCI6735	Concepts in Biodiversity	15		
NSCI6739	Behavioural Ecology	15		
NSCI6745	Ecological Evaluation and Management	15	NSCI5731	
NSCI6746	Ecological Risk and its Mitigation	15		
NSCI6731	<i>Companion Animal Behaviour</i>	15		
NSCI6741	<i>Vertebrate Physiology</i>	15		
NSCI6732	<i>Animal Health & Welfare</i>	15		
NSCI6737	<i>Animal Breeding & Nutrition</i>	15		
NSCI6738	<i>Captive Wild Animal Management</i>	15		
NSCI6743	<i>Geographic Information Systems</i>	15		
NSCI6742	<i>Indigenous Knowledge</i>	15		
NSCI6744	<i>Practicum</i>	15		

Course No.	Course Name	Credits	Pre-requisites	Co-requisites
NSCI6747	<i>Pacific Veterinary Nursing Practicum</i>	15	<i>NSCI 5710 Animal Clinical Care Practicum, along with relevant recent clinical experience (at the relevant Academic Authority discretion)</i>	
NSCI6748	<i>Molecular Genetics and Evolution</i>	15	<i>NSCI 5104</i>	
Level 6 – Science Communication Major				
NSCI6730	Research Methods	15	Diploma in Veterinary Nursing (Level 6)	
NSCI6735	Concepts in Biodiversity	15		
NSCI6741	Vertebrate Physiology	15		
NSCI6731	<i>Companion Animal Behaviour</i>	15		
NSCI6732	<i>Animal Health & Welfare</i>	15		
NSCI6737	<i>Animal Breeding & Nutrition</i>	15		
NSCI6738	<i>Captive Wild Animal Management</i>	15		
NSCI6739	<i>Behavioural Ecology</i>	15		
NSCI6743	<i>GIS</i>	15		
NSCI6742	<i>Indigenous Knowledge</i>	15		
NSCI6744	<i>Practicum</i>	15		
NSCI6746	<i>Ecological Risk and its Mitigation</i>	15		
NSCI6747	<i>Pacific Veterinary Nursing Practicum</i>	15	<i>NSCI 5710 Animal Clinical Care Practicum along with relevant recent clinical experience (at the relevant Academic Authority discretion)</i>	
NSCI6748	<i>Molecular Genetics and Evolution</i>	15	<i>NSCI 5104</i>	

Course No.	Course Name	Credits	Pre-requisites	Co-requisites
*	<i>Elective from Table 4.1</i>	15		
*	<i>Elective from Table 4.1</i>	15		
Level 7 – Animal Management and Welfare Major				
NSCI7101	Global Issues in Animal Welfare Science	15	NSCI6732	
NSCI7731	Negotiated Research	30		NSCI6730
<i>NSCI7106</i>	<i>Applied Animal Behaviour Science</i>	15	<i>NSCI5702</i>	
<i>NSCI7102</i>	<i>Disease Ecology</i>	15		
<i>NSCI7103</i>	<i>Anthrozoology</i>	15		
<i>NSCI7109</i>	<i>Evidence-Based Veterinary Nursing</i>			
<i>NSCI7736</i>	<i>Applied GIS</i>	15	<i>NSCI6743</i>	
<i>NSCI7104</i>	<i>Restoration Ecology</i>	15		
<i>NSCI7107</i>	<i>Biosecurity</i>	15		
<i>NSCI7108</i>	<i>Field Trip</i>	15		
<i>NSCI7732</i>	<i>Conservation Science</i>	15	<i>NSCI6745 or NSCI6735 or NSCI6746 or NSCI6738</i>	
<i>NSCI7737</i>	<i>Management for the Animal Industry</i>	15		
<i>NSCI7738</i>	<i>Captive Wild Animal Population Management</i>	15	<i>NSCI6738</i>	
<i>NSCI7421</i>	<i>One Health</i>	15		
Level 7 – Biodiversity Management Major				
NSCI7105	Advanced Field Surveying of New Zealand Biota	15	NSCI5101 and NSCI5103	
NSCI7731	Negotiated Research	30		NSCI6730
<i>NSCI7101</i>	<i>Global Issues in Animal Welfare Science</i>	15	<i>NSCI6732</i>	
<i>NSCI7106</i>	<i>Applied Animal Behaviour Science</i>	15	<i>NSCI5702</i>	
<i>NSCI7102</i>	<i>Disease Ecology</i>	15		
<i>NSCI7103</i>	<i>Anthrozoology</i>	15		
<i>NSCI7736</i>	<i>Applied GIS</i>	15	<i>NSCI6743</i>	
<i>NSCI7104</i>	<i>Restoration Ecology</i>	15		
<i>NSCI7107</i>	<i>Biosecurity</i>	15		
<i>NSCI7108</i>	<i>Field Trip</i>	15		
<i>NSCI7732</i>	<i>Conservation Science</i>	15	<i>NSCI6745 or NSCI6735 or NSCI6746 or NSCI6738</i>	
<i>NSCI7738</i>	<i>Captive Wild Animal Population Management</i>	15	<i>NSCI6738</i>	

Course No.	Course Name	Credits	Pre-requisites	Co-requisites
NSCI7421	One Health	15		
Level 7 – Science Communication Major				
NSCI7731	Negotiated Research	30		NSCI6730
NSCI7101	Global Issues in Animal Welfare Science	15	NSCI 6732	
NSCI7102	Disease Ecology	15		
NSCI7106	Applied Animal Behaviour Science	15	NSCI5702	
NSCI 7103	Anthrozoology	15		
NSCI7736	Applied GIS	15	NSCI 6743	
NSCI 7104	Restoration Ecology	15		
NSCI7107	Biosecurity	15		
NSCI7108	Field Trip	15		
NSCI7732	Conservation Science	15	NSCI6745 or NSCI6735 or NSCI6746 or NSCI6738	
NSCI7738	Captive Wild Animal Population Management	15	NSCI6738	
NSCI7421	One Health	15		
*	Elective from Table 4.2	15		
*	Elective from Table 4.2	15		

Subject to the approval of the relevant Academic Authority, students may select elective credits towards the BASCI up to a maximum of 30 credits from programmes internal or external to Unitec at or above level 5.

5.2 Bachelor of Applied Science (Science Communication major)

Students enrolled in the Science Communication major of the Bachelor of Applied Science will complete a generic year 1 (level 5) course of study comprising 120 credits (105 compulsory). In their second year, students will choose from elective and compulsory courses at level 6. Students must complete a minimum of 75 credits at level 6 (including compulsory courses). Students in the Science Communication major must choose at least 2 courses from those listed in Table 4.1. In their third year, students will choose from elective and compulsory courses at levels 7 and other levels. Students must complete a minimum of 75 credits at level 7 including compulsory courses. The available courses are listed in Table 4.2. Students in the Communication major must choose at least 2 courses from those listed in Table 4.2. The compulsory 30 credit Negotiated Study will, for the Science Communication major students be centred around a science communication project.

Table 4.1

Level 6 Science Communication major course list	
COMM 6533	Technology and Media Communication
PASA 6811	Emerging Media Innovation Lab

Level 6 Science Communication major course list	
PASA 6901	<i>Audience Context and Interpretation</i>
PASA 6231	<i>Acting for Non-Actors</i>
PASA 6232	<i>The Confident Presenter</i>
COMM 6537	<i>News Writing for the Media</i>
PASA 6311	<i>Introduction to Digital Screen Technologies</i>

Table 4.2

Level 7 Science Communication major course list	
COMM 7544	<i>Communication Production Project</i>
PASA 7391	<i>Documentary Research and History</i>
PASA 7811	<i>Entertainment Lab for the Very Small Screen</i>
PASA 7311	<i>Advanced Digital Screen Technologies</i>

5.3 Bachelor of Applied Science (with double majors)

To be awarded the Bachelor of Applied Science with a double major in Animal Management and Welfare and Biodiversity Management, a student must successfully complete 360 credits according to the pattern set out in Table 5.

Table 5: Course Details: Compulsory and Elective Courses for double majors in Bachelor of Applied Science (Animal Management and Welfare) and Bachelor of Applied Science (Biodiversity Management)

Compulsory courses are shown in **bold**. Elective courses are shown in *italics*

Course No	Course Name	Credits
Level 5		
NSCI5730	Earth Processes	15
NSCI5104	Principles of Biology	15
NSCI5738	Principles of Animal Husbandry	15
NSCI5740	Techniques in Field Biology	15
NSCI5731	Principles of Ecology	15
NSCI5735	Science and Society	15
NSCI5101	Diversity of Life: Plants and Fungi	15
NSCI5103	Diversity of Life: Animals	15

Level 6		
NSCI6731	Companion Animal Behaviour	15
NSCI6741	Vertebrate Physiology	15
NSCI6735	Concepts in Biodiversity	15
NSCI6730	Research Methods	15
NSCI6732	Animal Health and Welfare	15
NSCI6737	Animal Breeding and Nutrition	15
Level 7		
NSCI7101	Global Issues in Animal Welfare	15
NSCI7731	Negotiated Research	30
Level 6		
<i>NSCI6739</i>	<i>Behavioural Ecology</i>	<i>15</i>
<i>NSCI6744</i>	<i>Practicum</i>	<i>15</i>
<i>NSCI6738</i>	<i>Captive Wild Animal Management</i>	<i>15</i>
<i>NSCI6743</i>	<i>Geographic Information Systems</i>	<i>15</i>
<i>NSCI6742</i>	<i>Indigenous Knowledge</i>	<i>15</i>
<i>NSCI6748</i>	<i>Molecular Genetics and Evolution</i>	<i>15</i>
Level 7		
<i>NSCI7102</i>	<i>Disease Ecology</i>	<i>15</i>
<i>NSCI7103</i>	<i>Anthrozoology</i>	<i>15</i>
<i>NSCI7104</i>	<i>Restoration Ecology</i>	<i>15</i>
<i>NSCI7736</i>	<i>Applied GIS</i>	<i>15</i>
<i>NSCI7108</i>	<i>Field Trip</i>	<i>15</i>
<i>NSCI7421</i>	<i>One Health</i>	<i>15</i>

Note: All these Level 6 and 7 electives are on offer for students who are interested. For the qualification, the requirement is 30 credits from a selection of elective courses, one each from the two groups identified as List A and List B in Table 5.

List A			List B		
Course no	Course name	Credits	Course no	Course name	Credits
NSCI7102	Disease Ecology	15	NSCI7104	Restoration Ecology	15
NSCI7103	Anthrozoology	15	NSCI7735	Environmental Risk Management	15
			NSCI7736	Applied GIS	15

5.4 Exit Award

5.4.1 Diploma in Applied Science

Students who elect to discontinue study before completing the Bachelor of Applied Science may apply for and be awarded the Diploma in Applied Science (Level 6, 240 Credits), providing they have completed the following:

- all of the Level 5 compulsory courses (120 credits) and
- the Level 6 Practicum course; and
- have completed a maximum of 135 Level 5 credits and a total of 240 credits overall.

6. Assessment

6.1 Assessment basis

All assessment is standards based, using an 11-point grading scale.

6.2 Calculation of course grades

- a. The final grade for a course shall be calculated from the aggregation of all summative weighted assessment activities according to the following table.

Table 6: Course Grades

Grade	Percentage	Result
A+	90 – 100	Pass
A	85 – 89	Pass
A-	80 – 84	Pass
B+	75 – 79	Pass
B	70 – 74	Pass
B-	65 – 69	Pass
C+	60 – 64	Pass
C	55 – 59	Pass
C-	50 – 54	Pass
D	40 – 49	Fail
E	0 – 39	Fail

- b. Students may be awarded one of the following grades for a course if they meet the criteria described.

Table 7: Grade Criteria

Grade	Meaning	Criteria
CR	Credit Recognitions	The student has applied for and been awarded a credit recognition from another qualification

Grade	Meaning	Criteria
DEF	Deferred	The course result has been deferred
R	Restricted Pass	The student has been awarded a restricted pass subject to clause 8.3 of this schedule
CTG	Course Continuing	Any course that runs for more than one semester where the student has not yet completed the final summative assessment.
DNC	Did Not Complete	A student has either withdrawn after the 75% date of the course has been taught or not attempted a compulsory item of assessment within a course. No Credits earned.
W	Withdrawn	If a student withdraws from a course after the 10% date of the course is completed and up to or at the 75% date of the course. No credits earned.

6.3 Conditions applying to restricted passes

- a. The relevant Academic Authority may award a 'restricted pass' in a course that was narrowly failed and considers that marginal failure is compensated by good overall performance (See Academic Management Policy, section 7.8)
- b. Except in exceptional circumstances, no more than one restricted pass may be awarded to any student in this programme.

6.4 Submission / Late submission of work

- c. a. Applications for extensions must be made in writing to the relevant Academic Authority responsible for the assessment at least 24 hours before the due date. All applications must be accompanied by supporting evidence. An extension of up to 5 days may be awarded.
- d. Any assessment that is submitted late (and does not have a prior approved extension or Special Assessment Circumstances application) will be penalised by a deduction of 10% per day of the student's assignment mark, up to five (5) days, inclusive of weekends.
- e. No assessments will be accepted five (5) days (inclusive of weekends) after the due date and a student will receive a zero mark for the assessment.
- f. Formal application for Special Assessment Circumstances must be made to the relevant Administrator on the approved form no later than 5 working days after the due date of the summative assessment and must be accompanied by a written justification and supporting evidence for the application to be considered (See Academic Management Policy, section 7.7).

6.5 Resits and resubmissions

- a. Award of a resit &/or resubmission is offered at the point of course results ratification at the end of each semester.
- b. Conditions for resit or resubmission are as follows:
 - Unless in exceptional circumstances, only students who have the capacity to pass the course with a C- grade on resit/resubmission, will be offered the opportunity to resit an exam or resubmit a piece of work.
 - Students may only resit or resubmit one assessment item in any one course with the maximum resulting mark being 50% for the assessment.

- The student must advise the administrator in writing of their intention to resubmit or resit the assessment item within 7 working days of receipt of the opportunity notification.

6.6 A fee will be charged to the student for each exam resit. Assessment in Te reo Māori

Students wishing to complete assessments using te reo Māori must inform the relevant Academic Authority within the first week of the first semester in which the course is delivered. The method of assessment to be used in such circumstances will be approved by the relevant Academic Authority .

6.7 Assessment Regulations

These Assessment Regulations apply to:

- HSDV 5140 Contemporary Issues in Aotearoa New Zealand
- HSDV 5141 Anatomy and Physiology
- HSDV 5734 Contemporary Issues in Biology
- HSDV 5143 Human Development
- HSDV 5144 Introduction to Practice
- HSDV 6144 Introduction to Research
- HSDV 6240 Law and Ethics
- HSDV 6241 Tauhōkai Waiora: Māori Health and Development
- HSDV 7340 Advanced Research

To be eligible to pass these courses, students **MUST** submit all assessment items.

6.7.1 Submission and late submission of work

- Applications for extensions must be made in line with the Special Assessment Circumstances policy.
- Any assessment that is submitted late (and does not have a prior approved extension or Special Assessment Circumstance application) will be penalised by a deduction of 10% per day of the student's assignment mark, up to five (5) days, inclusive of weekends.
- No assignments will be accepted five (5) days (inclusive of weekends) after the due date and a student will receive a DNC grade thereafter.

6.7.2 Resits and resubmissions

- Resits and resubmissions will be defined in the specific course descriptors (as below):
 - Students may request a resubmission for **one failed assessment per common semester or shared course**.
 - Students may only resubmit either assignment 1 or 2.** Where the assignment is an e-portfolio, students may resubmit only the failed entry(ies).
 - Assessments that are handed in late or any DNC assessments will not be eligible for resubmission.
 - Requests for a resubmission must be made in writing within five (5) days (inclusive of weekends) upon students receiving their assessment mark and feedback.

5. Students will be notified of the outcome of their request and new submission date (if applicable).
 6. Any assessment resubmitted is entitled to receive a maximum of a C-grade (50%)
- b. The maximum grade for any resubmission assessment is C- (50%). In all cases the grade achieved on the resubmission will be the grade used in calculating the overall course grade.

6.7.3 Conditions applying to Restricted Pass

- a. The relevant Academic Authority may award a "restricted pass" in a Course which was narrowly failed and considers that marginal failure is compensated by good overall performance.
- b. No more than one restricted pass may be granted to any student for level 5 and level 6 courses.
- c. Restricted passes will not be awarded for level 7 course/s.
- d. A student may decline the award of a restricted pass in writing no later than 20 working days from notification of the results.

7. Transitional Arrangements / Modified Programmes of Study

Students who have successfully completed the course NSCI4733 Contemporary Issues in Animal Management will undertake a modified course of study where they will be required to complete an assessment event over a three-week period to demonstrate competency at level 5. Students will be offered a tutorial session to explain the requirements of the required assessment. Upon successful completion of the assessment, the student will be eligible for credit recognition for NSCI5734 Contemporary Issues in Biology.

Students who have successfully completed the course NSCI4702 Principles of Animal Behaviour and Training will undertake a modified course of study where they will be required to complete an assessment event over a three-week period to demonstrate competency at level 5. Students will be offered a tutorial session to explain the requirements of the required assessment. Upon successful completion of the assessment, the student will be eligible for credit recognition for NSCI5702 Introduction to Animal Behaviour and Welfare.

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8. Commencement

These regulations came into force Semester 1, 2020.