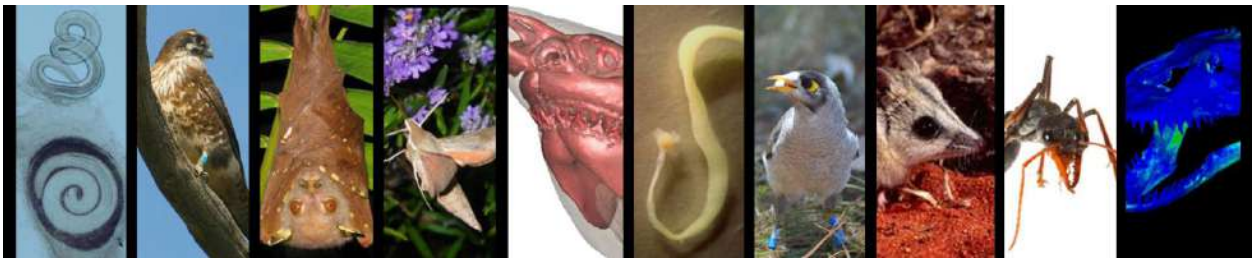


Bachelor of Zoology

Enrolling in a Bachelor of Zoology at UNE will:

- enable students to study zoology — the science of animals;
- enable students to follow their passion for animals;
- enable students to understand the biology of animals: from genes, physiology, behaviour, and ecology through to community, regional, continental, and evolutionary relationships;
- give students a research– led and research–informed curriculum;
- provide an unmatched online education experience, and above-world class research credentials to provide undergraduate students with a holistic education within zoology;
- harness the unique attributes of UNE's location in Australia to showcase the unique fauna of the region;
- harness the strong STEM, critical thinking, and problem solving skills that are embedded into the degree;
- enable students to graduate with practical laboratory and fieldwork skills; critical problem solving skills; and excellent communication skills;
- prepare students for further study or employment across the wide range of disciplines within which zoology is critical.

Bachelor of Zoology learning pathways

There are many different paths that you can take as a Bachelor of Zoology student to achieve your goals during this degree. Below are some suggested options that might fit your interests, although there is plenty of flexibility for you to choose another set of units if you prefer.

Here we have included pathways you could take if you have an interest in becoming a:

- **General Zoologist;**
- **Consultant;**
- **Researcher;**
- **Molecular Zoologist;**
- **Threatened Species and Conservation Officer;**
- **Evolutionary Zoologist;**
- **Science Communicator (Zoology).**

UNITS ARE COLOUR CODED AS:

Core Units: all of these units must be taken
Listed Units: 12 credit points at 200-level and 18 credit points at 300-level
Elective Units: up to 30 credit points with not more than 18 credit points at 100-level

NOTE: some units are available in multiple Trimesters, and these are shown as companion units. Note that listed units can also be used as electives if you wish. For some pathways shown additional elective units may be required to be completed as per the candidates interests. For full details please consult: https://my.une.edu.au/courses/

Core Units	
BIOL110	Biology I
BIOL120	Biology II
CHEM110	Chemistry I
ECOL100 Or CHEM120	Ecology: Concepts and Applications Or Chemistry II
MTHS110/ or MTHS120	Quantitative Skills with Applications/ or Calculus and Linear Algebra 1
STAT100	Introduction to Statistical Modelling
ZOOL100	Principles of Zoology
EVOL211	Evolution and Biogeography
ZOOL203	Vertebrate Zoology - Evolution and Diversity
ZOOL210	Invertebrate Zoology
ZOOL220	Entomology
ZOOL326	Animal Behaviour
ZOOL327	Ecological and Comparative Physiology
ZOOL329	Evolutionary Parasitology

Listed Units – 200 level	
ANSC201	Animal Structure and Function
BCHM210	Introductory Molecular Biology and Biochemistry I
BOTY203	Plant Diversity
CHEM250	Analytical Chemistry
ECOL202	Aquatic Ecology
ECOL203	Ecology - Populations to Ecosystems
ECOL204	Ecological Methods
GENE210	Introductory Genetics
GEOL202	Introductory Palaeontology
PSIO220	Integrated Physiology
THEA234	Speaking in Public

Listed Units – 300 level	
ANPR321	Animal Function, Health and Welfare
ANSC304	Animals and Us: Ethics and Welfare
ANSC314	Animal Biosecurity
CANI310	Wild Dog Ecology
EM323	Wildlife Ecology and Management
EM353	Conservation Biology
ERS301	Applied Research Skills
ERS381	Project Report in Engineering and Environmental and Rural Science
EVOL301	Biological Systematics
GENE322	Genetics of Populations
OSSE300	Overseas Study Experience
PSYC366	Biopsychology
PSIO331	Endocrinology and Reproductive Physiology
PSIO332	Cardiovascular and Respiratory Physiology
PSIO335	Human Nutrition and Metabolism
SCI395	Science Report
WRIT303	Research in Writing

Elective Units	
ANSC120	Animals in Society
GEOL110	Geology and the Environment
PSIO110	Introductory Human Physiology I
EVOL102	Evolution in the Fossil Record
COMM102	Media Convergence and Culture
ANSC314	Animal Biosecurity
EM334	Introduction to GIS and Spatial Thinking
RSNR302	Integrated Water Resource Management
EM312	Environmental Impact Assessment
GEOL311	Palaeontology and Stratigraphy
SCI400	Honours in Science

Bachelor of Zoology learning pathways

General Zoologist pathway

1st Year

T1	T2	T3
BIOL110	BIOL120	BIOL110/120
CHEM110	CHEM110/ECOL100	ECOL100
MTHS110	ZOOL100	CHEM120
	MTHS110/STAT100	STAT100

2nd Year

ZOOL210	EVOL211
ZOOL220	ZOOL203
ECOL203	ECOL202
ANSC201	PSIO220

3rd Year

ZOOL326	ZOOL327
ZOOL329	EM323
ANSC304	ANPR321
EM353	

Consultant pathway

1st Year

T1	T2	T3
BIOL110	BIOL120	BIOL110/120
CHEM110	CHEM110/ECOL100	ECOL100
MTHS110	ZOOL100	
GEOL110	MTHS110/STAT100	STAT100

2nd Year

ZOOL210	EVOL211
ZOOL220	ZOOL203
ECOL203	ECOL202
ECOL204	ANSC314

3rd Year

ZOOL326	ZOOL327
ZOOL329	EM323
EVOL301	RSNR302
EM334	ANPR321

Researcher pathway

1st Year

T1	T2	T3
BIOL110	BIOL120	BIOL110/120
CHEM110	CHEM110/ECOL100	ECOL100
MTHS110	ZOOL100	CHEM120
	MTHS110/STAT100	STAT100

2nd Year

ZOOL210	EVOL211
ZOOL220	ZOOL203
ECOL203	ECOL320
ANSC201	ANPR321

3rd Year

ZOOL326	ZOOL327	
ZOOL329	EM323	
ANSC304		OSSE300
ECOL300	ERS381/OSSE300	ERS381

Molecular Zoologist pathway

1st Year

T1	T2	T3
BIOL110	BIOL120	BIOL110/120
CHEM110	CHEM110/ECOL100	ECOL100
MTHS110	ZOOL100	CHEM120
PSIO110	MTHS110/STAT100	STAT100

2nd Year

ZOOL210	EVOL211
ZOOL220	ZOOL203
GENE210	CHEM250
BCHM210	PSIO220

3rd Year

ZOOL326	ZOOL327	PSIO331
ZOOL329	PSIO332	
GENE322	PSIO335	
PSYC366		

Threatened Species and Conservation Officer pathway

1st Year

T1	T2	
BIOL110	BIOL120	BIOL110/120
CHEM110	CHEM110/ECOL100	ECOL100
MTHS110	ZOOL100	
	ANSC120	STAT100

2nd Year

ZOOL210	EVOL211
ZOOL220	ZOOL203
ECOL203	ECOL202
ECOL204	EVOL301

3rd Year

ZOOL326	ZOOL327
ZOOL329	EM323
EM312	ANSC314
EM353	ANPR321

Evolutionary Zoologist pathway

1st Year

T1	T2	T3
BIOL110	BIOL120	BIOL110/120
CHEM110	CHEM110/ECOL100	ECOL100
MTHS110	ZOOL100	
GEOL110	MTHS110/STAT100	STAT100

2nd Year

ZOOL210	EVOL211
ZOOL220	ZOOL203
GEOL202	EVOL211
GENE210	EVOL102

3rd Year

ZOOL326	ZOOL327
ZOOL329	GEOL311
EVOL301	ENCO303
GENE322	

Science Communicator (Zoology) pathway

1st Year

	T1	T2	T3
	BIOL110	BIOL120	BIOL110/120
	CHEM110	CHEM110/ECOL100	ECOL100
	MTHS110	ZOOL100	
		ANSC120	STAT100

2nd Year

	ZOOL210	EVOL211
	ZOOL220	ZOOL203
	THEA234	EVOL211
	GENE210	COMM102

3rd Year

	ZOOL326	ZOOL327
	ZOOL329	EM323
	EM353	ENCO303
	ANSC304	

Honours: For students wanting to carry out independent research

4th Year	SCI400	SCI400	
		SCI400	SCI400
	SCI400		SCI400

OR

Masters

4th Year	Master of Environmental Science (Research)
5th Year	Master of Environmental Science (Research)

Skills of a Bachelor of Zoology Graduate

Knowledge/Skills	Attributes
Foundation of diversity and evolution of the animal kingdom.	Able to demonstrate and understand the evolution of animals and the diversity of animals.
Field-based knowledge and expertise.	Able to demonstrate skills to survey, sample and monitor animals in a range of environments.
Knowledge of zoological science.	Able to demonstrate a depth and range of knowledge relevant to the discipline.
Communication skills.	Able to communicate scientific results and information to a wide range of audiences using multiple mediums (e.g., print, oral and via an online presence).
Problem solving.	Able to investigate and solve problems in zoology using the scientific method, including statistics and mathematics.
Information literacy.	Able to collect, understand and evaluate scientific results from a wide range of sources using different platforms.
Lifelong learning.	Able to demonstrate the ability for self-directed learning using critical thinking and analytical skills.
Independence and collaboration.	Able to function as a part of team members or leaders of a collaborative team.

Graduate Attributes

Knowledge of the Discipline

Graduates will understand how zoology as a scientific field has advanced our understanding of many different groups of animals. They will obtain specialised knowledge of the ecology, evolutionary biology, and functional anatomy of different major groups of animals.

Communication Skills

Graduates will be able to communicate scientific results, information or arguments, to a range of audiences and for a range of purposes.

Problem Solving

Graduates will be able to investigate and solve problems relating to research on animals using the scientific method and the appropriate practical techniques and tools. They will do so by formulating hypotheses, collecting valid and reliable data and incorporating quantitative evidence into arguments.

Information Literacy

Graduates will be able to communicate scientific results, information or arguments relating to the animals, to a range of audiences and for a range of purposes. They will also be able to synthesis and evaluate information from a range of sources, using a range of technologies.

Ethical Conduct and Social Responsibility

Graduates will be able to take social responsibility by recognising the relevant ethical frameworks within which scientific research on animals is practiced and show a capacity for working responsibly and safely in both individual and team environments.

Field based knowledge

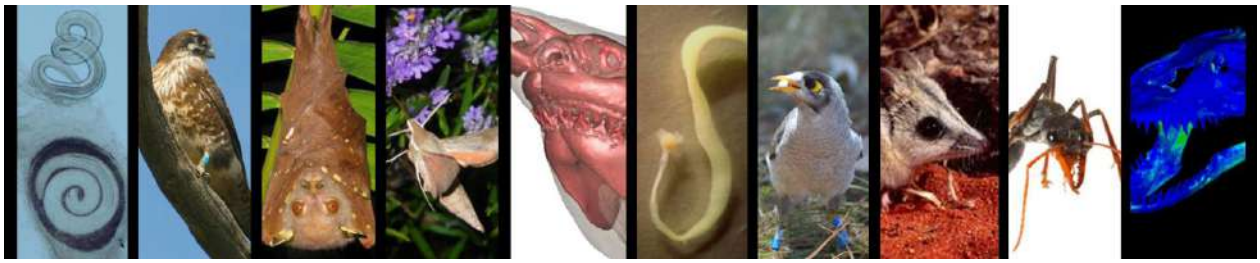
Graduates will learn skills to survey, sample and monitor animals in a range of environments.

Lifelong Learning

Graduates will be able to take personal responsibility for lifelong learning by demonstrating a capacity for self-directed learning. Throughout the degree, students will learn critical thinking and analytical skills which will continue to be useful in their future careers.

Independence and Collaboration

Graduates will have an awareness of the need to function effectively as members or leaders of a collaborative scientific or multidisciplinary teams.



Bachelor of Zoology @ UNE

More Information

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Facebook: Zoology Society of UNE