

ZOOLOGY, TESTAMUR MAJOR (T029)

Western Sydney University Major Code: T029

Previous code: MT3014.1

Available to students in other Western Sydney University programs?
No

A Zoology major provides you with the opportunity to study Australia's unique animals and their habitats. Zoologists have a detailed understanding of the diversity of the animal kingdom and are equipped with scientific understanding of how animals function and interact with their environment: ranging from their ecology, behaviour and evolution, to the physiology and biochemistry of cells, tissues and major organ systems. Zoology underpins conservation and sustainability, including major contributions to current research in climate change and ecosystem management. On-campus animal facilities include those for reptiles, small marsupials and rodents, sheep and cattle, as well as over 1000ha of native, rural and aquatic habitats with an abundance of native wildlife. Zoologists graduate with practical laboratory and fieldwork skills that prepare them for a wide variety of vocations in this field.

All students must complete 60 credit points of study at Level 3 to meet program requirements.

NOTE: Students up to end of 2023 - Students will need to select at least 10 credit points of elective study at Level 3 to meet this requirement.

NOTE: This major is available as an elective in Bachelor of Science 3754, and an elective major option in Bachelor of Medical Science 3755. See the related programs tab for more information.

Please note, the BSc Major Environmental Health T076, BSc Adv 3757, Bachelor of Science (Pathway to Teaching Primary/Secondary) 3756 & BMedSc Adv 3758, do not have sufficient Flexible space to accommodate a second/elective Major.

Campus	Mode	Advice
Hawkesbury Campus	Internal	science@westernsydney.edu.au

Recommended Sequence 2023

All students must complete 60 credit points of study at Level 3 to meet program requirements. Students will need to select at least 10 credit points of elective study at Level 3 to meet this requirement.

Select the link for your program below to see details of the major

Bachelor of Science

Qualification for the award of Bachelor of Science with a major in Zoology requires the successful completion of 240 credit points as per the recommended sequence below.

Course	Title	Credit Points
Year 1		
Autumn session		
NATS 1019	Scientific Literacy	10
BIOS 1001	Biodiversity	10
CHEM 1008	Introductory Chemistry	10
AGRI 1009	Wildlife Studies	10
Credit Points		40

Spring session		
BIOS 1012	Cell Biology	10
BIOS 2040	Invertebrate Zoology	10
Choose one of the following:		10
MATH 1026	Quantitative Thinking	
MATH 1014	Mathematics 1A	
MATH 1003	Biometry	
Choose one elective		10
Credit Points		40

Year 2		
Autumn session		
NATS 2042	Science Research Methods	10
BIOS 2041	Vertebrate Zoology	10
Choose two electives		20
Credit Points		40

Spring session		
BIOS 2008	Ecology	10
BIOS 2006	Comparative Physiology	10
Choose one of		10
NATS 3044	Complex Case Studies in Science	
NATS 3045	Work Internship for Science Professionals	
Choose one elective		10
Credit Points		40

Year 3		
Autumn session		
NATS 3015	Field Project 1	10
BIOS 3026	Evolution and Genetics	10
Choose two electives		20
Credit Points		40

Spring session		
NATS 3017	Field Project 2	10
AGEN 3001	Animal Behaviour	10
Choose two electives		20
Credit Points		40
Total Credit Points		240

Bachelor of Science (Pathway to Teaching Primary/Secondary)

Qualification for the Bachelor of Science (Pathway to Teaching Primary/Secondary) with a major in Zoology requires the successful completion of 240 credit points as per the recommended sequence for the Bachelor of Science with a major in Zoology, given above.

Course	Title	Credit Points
Year 1		
Autumn session		
NATS 1019	Scientific Literacy	10
BIOS 1001	Biodiversity	10
CHEM 1008	Introductory Chemistry	10
AGRI 1009	Wildlife Studies	10
Credit Points		40
Spring session		
BIOS 1012	Cell Biology	10
BIOS 2040	Invertebrate Zoology	10
Choose one of		10
MATH 1026	Quantitative Thinking	

MATH 1014	Mathematics 1A	
MATH 1003	Biometry	
Choose one elective		10
Credit Points		40
Year 2		
Autumn session		
NATS 2042	Science Research Methods	10
BIOS 2041	Vertebrate Zoology	10
Choose two electives		20
Credit Points		40
Spring session		
BIOS 2008	Ecology	10
BIOS 2006	Comparative Physiology	10
Choose one of		10
NATS 3044	Complex Case Studies in Science	
NATS 3045	Work Internship for Science Professionals	
Choose one elective		10
Credit Points		40
Year 3		
Autumn session		
NATS 3015	Field Project 1	10
BIOS 3026	Evolution and Genetics	10
Select two electives		20
Credit Points		40
Spring session		
NATS 3017	Field Project 2	10
AGEN 3001	Animal Behaviour	10
Choose two electives		20
Credit Points		40
Total Credit Points		240

In addition, all students must complete a mandatory 40 credit point minor in Education Studies. Students must choose one of:

Education Studies – Primary Teaching, Minor (0296) (<https://hbook.westernsydney.edu.au/majors-minors/education-studies--primary-teaching-minor/>)

Or

Education Studies - Secondary Teaching, Minor (0267) (<https://hbook.westernsydney.edu.au/majors-minors/education-studies--secondary-teaching-minor/>)

Students must meet this requirement by choosing subjects from the selected Education Studies minor as electives within their Bachelor of Science program.

Bachelor of Advanced Science

Qualification for the award of Bachelor of Advanced Science with a major in Zoology requires the successful completion of 240 credit points as per the recommended sequence below.

Course	Title	Credit Points
Year 1		
Autumn session		
NATS 1019	Scientific Literacy	10
BIOS 1001	Biodiversity	10
CHEM 1008	Introductory Chemistry	10

AGRI 1009	Wildlife Studies	10
Credit Points		40
Spring session		
BIOS 1012	Cell Biology	10
BIOS 2040	Invertebrate Zoology	10
Choose on of		10
MATH 1026	Quantitative Thinking	
MATH 1014	Mathematics 1A	
MATH 1003	Biometry	
Choose one elective		10
Credit Points		40
Year 2		
Autumn session		
NATS 2042	Science Research Methods	10
BIOS 2041	Vertebrate Zoology	10
NATS 2001	Advanced Science Project A	10
Choose one elective		10
Credit Points		40
Spring session		
BIOS 2008	Ecology	10
NATS 2002	Advanced Science Project B	10
BIOS 2006	Comparative Physiology	10
Choose one of		10
NATS 3044	Complex Case Studies in Science	
NATS 3045	Work Internship for Science Professionals	
Credit Points		40
Year 3		
Autumn session		
NATS 3015	Field Project 1	10
BIOS 3026	Evolution and Genetics	10
NATS 3043	Advanced Science Research Project C	10
Choose one elective		10
Credit Points		40
Spring session		
NATS 3017	Field Project 2	10
AGEN 3001	Animal Behaviour	10
NATS 3043	Advanced Science Research Project C	10
Choose one elective		10
Credit Points		40
Total Credit Points		240

Diploma in Science/Bachelor of Science

Qualification for this award requires the successful completion of 250 credit points which include the units listed in the recommended sequence below.

Course	Title	Credit Points
Year 1		
Year 1: College Subjects		
Standard 3-term year		
Preparatory subject		
CHEM 0001	Chemistry (WSTC Prep)	10
Eight university-level subjects comprising		
BIOS 1014	Cell Biology (WSTC)	10
CHEM 1013	Essential Chemistry (WSTC)	10
NATS 1020	Scientific Literacy (WSTC)	10

CHEM 1009	Introductory Chemistry (WSTC)	10
BIOS 1003	Biodiversity (WSTC)	10
MATH 1027	Quantitative Thinking (WSTC)	10
NATS 1029	Human Anatomy and Physiology 1 (WSTC)	10
NATS 1030	Human Anatomy and Physiology 2 (WSTC)	10
Credit Points		90
Year 2		
Autumn session		
NATS 2042	Science Research Methods	10
BIOS 2041	Vertebrate Zoology	10
AGRI 1009	Wildlife Studies	10
Choose one elective		10
Credit Points		40
Spring session		
BIOS 2008	Ecology	10
BIOS 2006	Comparative Physiology	10
Choose one of		10
NATS 3044	Complex Case Studies in Science	
NATS 3045	Work Internship for Science Professionals	
Choose one elective		10
Credit Points		40
Year 3		
Autumn session		
NATS 3015	Field Project 1	10
BIOS 3026	Evolution and Genetics	10
Choose two electives		20
Credit Points		40
Spring session		
NATS 3017	Field Project 2	10
AGEN 3001	Animal Behaviour	10
Choose two electives		20
Credit Points		40
Total Credit Points		250

Recommended Sequence 2024

All students must complete 60 credit points of study at Level 3 to meet program requirements. Students will need to select at least 10 credit points of elective study at Level 3 to meet this requirement.

Select the link for your program below to see details of the major

Bachelor of Science

Qualification for the award of Bachelor of Science with a major in Zoology requires the successful completion of 240 credit points as per the recommended sequence below.

Course	Title	Credit Points
Year 1		
Autumn session		
NATS 1019	Scientific Literacy	10
BIOS 1001	Biodiversity	10
CHEM 1008	Introductory Chemistry	10
AGRI 1009	Wildlife Studies	10
Credit Points		40

Spring session		
BIOS 1012	Cell Biology	10
BIOS 2040	Invertebrate Zoology	10
Choose one of the following:		10
MATH 1026	Quantitative Thinking	
MATH 1014	Mathematics 1A	
MATH 1003	Biometry	
Choose one elective		10
Credit Points		40

Year 2		
Autumn session		
NATS 2042	Science Research Methods	10
BIOS 2041	Vertebrate Zoology	10
Choose two electives		20
Credit Points		40

Spring session		
BIOS 3039	Ecology	10
BIOS 2006	Comparative Physiology	10
Choose one of		10
NATS 3044	Complex Case Studies in Science	
NATS 3045	Work Internship for Science Professionals	
Choose one elective		10
Credit Points		40

Year 3		
1H session		
NATS 3055	Practicum 1	10
Credit Points		10

Autumn session		
BIOS 3026	Evolution and Genetics	10
Choose two electives		20
Credit Points		30

2H session		
NATS 3056	Practicum 2	10
Credit Points		10

Spring session		
AGEN 3001	Animal Behaviour	10
Choose two electives		20
Credit Points		30
Total Credit Points		240

Bachelor of Science (Pathway to Teaching Primary/Secondary)

Qualification for the Bachelor of Science (Pathway to Teaching Primary/Secondary) with a major in Zoology requires the successful completion of 240 credit points as per the recommended sequence for the Bachelor of Science with a major in Zoology, given above.

In addition, all students must complete a mandatory 40 credit point minor in Education Studies. Students must choose one of:

Education Studies – Primary Teaching, Minor (0296) (<https://hbook.westernsydney.edu.au/majors-minors/education-studies-primary-teaching-minor/>)

Or

Education Studies - Secondary Teaching, Minor (0267) (<https://hbook.westernsydney.edu.au/majors-minors/education-studies-secondary-teaching-minor/>)

Students must meet this requirement by choosing subjects from the selected Education Studies minor as electives within their Bachelor of Science program.

Course	Title	Credit Points
Year 1		
Autumn session		
NATS 1019	Scientific Literacy	10
BIOS 1001	Biodiversity	10
CHEM 1008	Introductory Chemistry	10
AGRI 1009	Wildlife Studies	10
Credit Points		40
Spring session		
BIOS 1012	Cell Biology	10
BIOS 2040	Invertebrate Zoology	10
Choose one of		10
MATH 1026	Quantitative Thinking	
MATH 1014	Mathematics 1A	
MATH 1003	Biometry	
Choose one elective		10
Credit Points		40
Year 2		
Autumn session		
NATS 2042	Science Research Methods	10
BIOS 2041	Vertebrate Zoology	10
Choose two electives		20
Credit Points		40
Spring session		
BIOS 3039	Ecology	10
BIOS 2006	Comparative Physiology	10
Choose one of		10
NATS 3044	Complex Case Studies in Science	
NATS 3045	Work Internship for Science Professionals	
Choose one elective		10
Credit Points		40
Year 3		
1H session		
NATS 3055	Practicum 1	10
Credit Points		10
Autumn session		
BIOS 3026	Evolution and Genetics	10
Choose two electives		20
Credit Points		30
2H session		
NATS 3056	Practicum 2	10
Credit Points		10
Spring session		
AGEN 3001	Animal Behaviour	10
Choose two electives		20
Credit Points		30
Total Credit Points		240

Bachelor of Advanced Science

Qualification for the award of Bachelor of Advanced Science with a major in Zoology requires the successful completion of 240 credit points as per the recommended sequence below.

Course	Title	Credit Points
Year 1		
Autumn session		
NATS 1019	Scientific Literacy	10
BIOS 1001	Biodiversity	10
CHEM 1008	Introductory Chemistry	10
AGRI 1009	Wildlife Studies	10
Credit Points		40
Spring session		
BIOS 1012	Cell Biology	10
BIOS 2040	Invertebrate Zoology	10
Choose on of		10
MATH 1026	Quantitative Thinking	
MATH 1014	Mathematics 1A	
MATH 1003	Biometry	
Choose one elective		10
Credit Points		40
Year 2		
Autumn session		
NATS 2042	Science Research Methods	10
BIOS 2041	Vertebrate Zoology	10
NATS 2001	Advanced Science Project A	10
Choose one elective		10
Credit Points		40
Spring session		
BIOS 3039	Ecology	10
NATS 2002	Advanced Science Project B	10
BIOS 2006	Comparative Physiology	10
Choose one of		10
NATS 3044	Complex Case Studies in Science	
NATS 3045	Work Internship for Science Professionals	
Credit Points		40
Year 3		
1H session		
NATS 3055	Practicum 1	10
Credit Points		10
Autumn session		
BIOS 3026	Evolution and Genetics	10
NATS 3043	Advanced Science Research Project C	10
Choose one elective		10
Credit Points		30
2H session		
NATS 3056	Practicum 2	10
Credit Points		10
Spring session		
AGEN 3001	Animal Behaviour	10
NATS 3043	Advanced Science Research Project C	10
Choose one elective		10
Credit Points		30
Total Credit Points		240

Diploma in Science/Bachelor of Science

Qualification for this award requires the successful completion of 250 credit points which include the units listed in the recommended sequence below.

Course	Title	Credit Points	
Year 1			Bachelor of Science (3754) (https://hbook.westernsydney.edu.au/programs/bachelor-science/)
Year 1: College Subjects			Bachelor of Science (Pathway to Teaching Primary/Secondary) (3756) (https://hbook.westernsydney.edu.au/programs/bachelor-science-pathway-teaching-primary-secondary/)
Standard 3-term year			Bachelor of Science/Bachelor of Arts (3763) (https://hbook.westernsydney.edu.au/programs/bachelor-science-bachelor-arts/)
Preparatory subject			Bachelor of Science/Bachelor of Business (4748) (https://hbook.westernsydney.edu.au/programs/bachelor-science-bachelor-business/)
CHEM 0001	Chemistry (WSTC Prep)	10	Bachelor of Science/Bachelor of International Studies (3764) (https://hbook.westernsydney.edu.au/programs/bachelor-science-bachelor-international-studies/)
Eight university-level subjects comprising			Bachelor of Science/Bachelor of Laws (2743) (https://hbook.westernsydney.edu.au/programs/bachelor-science-bachelor-laws/)
BIOS 1014	Cell Biology (WSTC)	10	Diploma in Science/Bachelor of Medical Science (6042) (https://hbook.westernsydney.edu.au/programs/diploma-science-bachelor-medical-science/)
CHEM 1013	Essential Chemistry (WSTC)	10	Diploma in Science/Bachelor of Science (6043) (https://hbook.westernsydney.edu.au/programs/diploma-science-bachelor-science/)
NATS 1020	Scientific Literacy (WSTC)	10	
CHEM 1009	Introductory Chemistry (WSTC)	10	
BIOS 1003	Biodiversity (WSTC)	10	
MATH 1027	Quantitative Thinking (WSTC)	10	
NATS 1029	Human Anatomy and Physiology 1 (WSTC)	10	
NATS 1030	Human Anatomy and Physiology 2 (WSTC)	10	
		Credit Points	90
Year 2			
Autumn session			
NATS 2042	Science Research Methods	10	
BIOS 2041	Vertebrate Zoology	10	
AGRI 1009	Wildlife Studies	10	
Choose one elective		10	
		Credit Points	40
Spring session			
BIOS 3039	Ecology	10	
BIOS 2006	Comparative Physiology	10	
Choose one of		10	
NATS 3044	Complex Case Studies in Science		
NATS 3045	Work Internship for Science Professionals		
Choose one elective		10	
		Credit Points	40
Year 3			
1H session			
NATS 3055	Practicum 1	10	
		Credit Points	10
Autumn session			
BIOS 3026	Evolution and Genetics	10	
Choose two electives		20	
		Credit Points	30
2H session			
NATS 3056	Practicum 2	10	
		Credit Points	10
Spring session			
AGEN 3001	Animal Behaviour	10	
Choose two electives		20	
		Credit Points	30
		Total Credit Points	250

Related Programs

Bachelor of Advanced Science (3757) (<https://hbook.westernsydney.edu.au/programs/bachelor-advanced-science/>)

Bachelor of Medical Science (3755) (<https://hbook.westernsydney.edu.au/programs/bachelor-medical-science/>)