

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 Current

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:		
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/archives/2024-2025/majors-minors/education-studies-primary-teaching-minor/>)

Or

Education Studies - Secondary Teaching, Minor (0267) (<https://hbook.westernsydney.edu.au/archives/2024-2025/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	Course	Title	Credit Points		
Year 1							
Autumn session							
NATS 1019	Scientific Literacy	10	NATS 1019	Scientific Literacy	10		
BIOS 1001	Biodiversity	10	BIOS 1001	Biodiversity	10		
CHEM 1008	Introductory Chemistry	10	CHEM 1008	Introductory Chemistry	10		
AGRI 1009	Wildlife Studies	10	AGRI 1009	Wildlife Studies	10		
Credit Points		40	Credit Points		40		
Spring session							
BIOS 1012	Cell Biology	10	BIOS 1012	Cell Biology	10		
BIOS 2040	Invertebrate Zoology	10	BIOS 2040	Invertebrate Zoology	10		
Choose one of		10	Choose one of		10		
MATH 1026	Quantitative Thinking		MATH 1026	Quantitative Thinking			
MATH 1014	Mathematics 1A		MATH 1014	Mathematics 1A			
MATH 1003	Biometry		MATH 1003	Biometry			
Choose one elective		10	Choose one elective		10		
Credit Points		40	Credit Points		40		
Year 2							
Autumn session							
NATS 2042	Science Research Methods	10	NATS 2042	Science Research Methods	10		
BIOS 2041	Vertebrate Zoology	10	BIOS 2041	Vertebrate Zoology	10		
Choose two electives		20	NATS 2001	Advanced Science Project A	10		
Credit Points		40	Credit Points		40		
Spring session							
BIOS 3039	Ecology	10	BIOS 3039	Ecology	10		
BIOS 2006	Comparative Physiology	10	NATS 2002	Advanced Science Project B	10		
Choose one of		10	BIOS 2006	Comparative Physiology	10		
NATS 3044	Complex Case Studies in Science		Choose one of		10		
NATS 3045	Work Internship for Science Professionals		NATS 3044	Complex Case Studies in Science			
Choose one elective		10	NATS 3045	Work Internship for Science Professionals			
Credit Points		40	Credit Points		40		
Year 3							
1H session							
NATS 3055	Practicum 1	10	NATS 3055	Practicum 1	10		
Credit Points		10	Credit Points		10		
Autumn session							
BIOS 3026	Evolution and Genetics	10	BIOS 3026	Evolution and Genetics	10		
Choose two electives		20	NATS 3043	Advanced Science Research Project C	10		
Credit Points		30	Choose one elective		10		
2H session							
NATS 3056	Practicum 2	10	NATS 3056	Practicum 2	10		
Credit Points		10	Credit Points		10		
Spring session							
AGEN 3001	Animal Behaviour	10	AGEN 3001	Animal Behaviour	10		
Choose two electives		20	NATS 3043	Advanced Science Research Project C	10		
Credit Points		30	Choose one elective		10		
Total Credit Points		240	Credit Points		30		
Total Credit Points		240	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.

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	Select the link for your program below to see details of the major
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 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	
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	
BIOS 1019	Scientific Literacy	10	
BIOS 1001	Biodiversity	10	
CHEM 1008	Introductory Chemistry	10	
AGRI 1009	Wildlife Studies	10	
Credit Points		40	
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	

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.

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/archives/2024-2025/majors-minors/education-studies-primary-teaching-minor/>)

Or

Education Studies - Secondary Teaching, Minor (0267) (<https://hbook.westernsydney.edu.au/archives/2024-2025/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
Year 2		
Autumn session		
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	
Choose one elective		10
	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
	Credit Points	40

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	Related Programs
Year 1			
Year 1: College Subjects			
Standard 3-term year			
Preparatory subject			
CHEM 0001	Chemistry (WSTC Prep)	10	Bachelor of Science/Bachelor of Business (4748) (https://hbook.westernsydney.edu.au/archives/2024-2025/programs/bachelor-science-bachelor-business/)
Eight university-level subjects comprising			
BIOS 1014	Cell Biology (WSTC)	10	Bachelor of Science/Bachelor of International Studies (3764) (https://hbook.westernsydney.edu.au/archives/2024-2025/programs/bachelor-science-bachelor-international-studies/)
CHEM 1013	Essential Chemistry (WSTC)	10	Bachelor of Science/Bachelor of Laws (2743) (https://hbook.westernsydney.edu.au/archives/2024-2025/programs/bachelor-science-bachelor-laws/)
NATS 1020	Scientific Literacy (WSTC)	10	Diploma in Science/Bachelor of Medical Science (6042) (https://hbook.westernsydney.edu.au/archives/2024-2025/programs/diploma-science-bachelor-medical-science/)
CHEM 1009	Introductory Chemistry (WSTC)	10	Diploma in Science/Bachelor of Science (6043) (https://hbook.westernsydney.edu.au/archives/2024-2025/programs/diploma-science-bachelor-science/)
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	