

ANIMAL SCIENCE, TESTAMUR MAJOR (T054)

Western Sydney University Major Code: T054

Previous Code: MT3015.1

Available to students in other Western Sydney University programs?

No

As interactions with animals increase, so too does our need to effectively manage these populations. Animal scientists use scientific principles to solve problems associated with our relationship with and the management of animals in a changing world. In this major, you will develop a deep understanding of how we use animals for food, companionship and recreation by applying core principles ranging from nutrition and reproduction, through to behaviour and welfare. You will have access to diverse on-campus animal facilities including reptiles, native mammals, sheep, cattle and deer and off-campus organisations such as wildlife parks, zoos and farms. A variety of exciting career paths are available to graduates of this program, including international opportunities in the management of wildlife, companion animals and livestock.

NOTE: Students in the Bachelor of Medical Science can choose this major as an elective major in their program.

Location

Campus	Mode	Advice
Hawkesbury Campus	Internal	Dr Ryan McQuinn (R.Mcquinn@westernsydney.edu.au)

Special Requirements

Students who opt to enrol in MT3015 Animal Science are strongly recommended to obtain a Q-Fever vaccination and Tetanus vaccination/booster. Students who cannot provide evidence of vaccination may be precluded from activities on the Farm, and/or internships with third parties

Recommended Sequence

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 Animal Science requires the successful completion of 240 credit points as per the recommended sequence below

Full-time start-year intake

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
AGRI 1003	Animal Science	10
Select one of the following:		10

MATH 1026	Quantitative Thinking	
MATH 1014	Mathematics 1A	
MATH 1003	Biometry	
Select one elective		10
Credit Points		40

Year 2

Autumn session		
NATS 2025	Natural Science Research Methods	10
AGRI 1005	Human Animal Interactions	10
Select two electives		20
Credit Points		40

Spring session

AGRI 2004	Animal Reproduction	10
Select one of the following:		10
NATS 3044	Complex Case Studies in Science	
NATS 3045	Work Internship for Science Professionals	
Select two electives		20
Credit Points		40

Year 3

Autumn session		
NATS 3015	Field Project 1	10
AGRI 3010	Animal Health and Welfare	10
AGRI 3002	Animal Nutrition and Feeding	10
Select one elective		10
Credit Points		40

Spring session		
NATS 3017	Field Project 2	10
AGEN 3001	Animal Behaviour	10
Select 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 Animal Science requires the successful completion of 240 credit points as per the recommended sequence below.

Full-time start-year intake

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
AGRI 1003	Animal Science	10
Select one of the following:		10
MATH 1026	Quantitative Thinking	
MATH 1014	Mathematics 1A	
MATH 1003	Biometry	

Select one elective	10
Credit Points	40
Year 2	
Autumn session	
NATS 2025	Natural Science Research Methods 10
AGRI 1005	Human Animal Interactions 10
Select two electives	20
Credit Points	40
Spring session	
AGRI 2004	Animal Reproduction 10
Select one of the following:	10
NATS 3044	Complex Case Studies in Science
NATS 3045	Work Internship for Science Professionals
Select two electives	20
Credit Points	40
Year 3	
Autumn session	
NATS 3015	Field Project 1 10
AGRI 3010	Animal Health and Welfare 10
AGRI 3002	Animal Nutrition and Feeding 10
Select one elective	10
Credit Points	40
Spring session	
NATS 3017	Field Project 2 10
AGEN 3001	Animal Behaviour 10
Select two electives	20
Credit Points	40
Total Credit Points	240

In addition, all students must complete the mandatory 40 credit point minor in Education Studies.

Education Studies, Minor (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/education-studies-minor/>)

Students must meet this requirement by choosing the subjects from the minor in Education Studies 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 Animal Science requires the successful completion of 240 credit points as per the recommended sequence below.

Full-time start-year intake

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
AGRI 1003	Animal Science	10
Select one of the following:		10
MATH 1026	Quantitative Thinking	

MATH 1014	Mathematics 1A	
MATH 1003	Biometry	
Select one elective		10
Credit Points		40
Year 2		
Autumn session		
NATS 2025	Natural Science Research Methods	10
AGRI 1005	Human Animal Interactions	10
NATS 2001	Advanced Science Project A	10
Select one elective		10
Credit Points		40
Spring session		
AGRI 2004	Animal Reproduction	10
NATS 2002	Advanced Science Project B	10
Select one of the following:		10
NATS 3044	Complex Case Studies in Science	
NATS 3045	Work Internship for Science Professionals	
Select one elective		10
Credit Points		40
Year 3		
Autumn session		
NATS 3015	Field Project 1	10
AGRI 3010	Animal Health and Welfare	10
AGRI 3002	Animal Nutrition and Feeding	10
NATS 3043	Advanced Science Research Project C	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
Select 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.

Full-time start-year intake

Subject	Title	Credit Points
Year 1: College Subjects		
Standard 3-term year		
Preparatory subject		
CHEM 0001	Chemistry (WSTC Prep)	10
Plus eight University-level units as follows		
BIOS 1003	Biodiversity (WSTC)	10
BIOS 1014	Cell Biology (WSTC)	10
CHEM 1006	Essential Chemistry 2 (WSTC)	10
CHEM 1009	Introductory Chemistry (WSTC)	10
MATH 1027	Quantitative Thinking (WSTC)	10
NATS 1020	Scientific Literacy (WSTC)	10
And two subjects from the following (depending on the testamur major chosen)		20
NATS 1002	Concepts in Human Anatomy (WSTC)	
NATS 1021	Concepts in Human Physiology (WSTC)	

ENVL 1003	Environmental Issues and Solutions (WSTC)
PROC 1003	Food Science 1 (WSTC)
BIOS 1023	Introduction to Human Biology (WSTC)
BIOS 1034	Management of Aquatic Environments (WSTC)
AGEN 1002	Water Quality Assessment and Management (WSTC)

Total Credit Points **90**

Course	Title	Credit Points
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Year 2

Autumn session

NATS 2025	Natural Science Research Methods	10
AGRI 1005	Human Animal Interactions	10
AGRI 1009	Wildlife Studies	10
Select one elective		10

Credit Points **40**

Spring session

AGRI 2004	Animal Reproduction	10
AGRI 1003	Animal Science	10
Select one of the following:		10

NATS 3044	Complex Case Studies in Science
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NATS 3045	Work Internship for Science Professionals
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Select one elective		10
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Credit Points **40**

Year 3

Autumn session

NATS 3015	Field Project 1	10
AGRI 3010	Animal Health and Welfare	10
AGRI 3002	Animal Nutrition and Feeding	10
Select one elective		10

Credit Points **40**

Spring session

NATS 3017	Field Project 2	10
AGEN 3001	Animal Behaviour	10
Select two electives		20

Credit Points **40**

Total Credit Points **160**

Bachelor of Science/Bachelor of Arts (3763) (<https://hbook.westernsydney.edu.au/archives/2021-2022/programs/bachelor-science-bachelor-arts/>)

Bachelor of Science/Bachelor of Business (4748) (<https://hbook.westernsydney.edu.au/archives/2021-2022/programs/bachelor-science-bachelor-business/>)

Bachelor of Science/Bachelor of International Studies (3764) (<https://hbook.westernsydney.edu.au/archives/2021-2022/programs/bachelor-science-bachelor-international-studies/>)

Bachelor of Science/Bachelor of Laws (2743) (<https://hbook.westernsydney.edu.au/archives/2021-2022/programs/bachelor-science-bachelor-laws/>)

Diploma in Science/Bachelor of Medical Science (6042) (<https://hbook.westernsydney.edu.au/archives/2021-2022/programs/diploma-science-bachelor-medical-science/>)

Diploma in Science/Bachelor of Science (6043) (<https://hbook.westernsydney.edu.au/archives/2021-2022/programs/diploma-science-bachelor-science/>)

Equivalent Subjects

The subjects listed below count towards completion of this Major for students who passed these subjects in 2021 or earlier.

AGRI 3008 - Animal Health, Ethics and Welfare, replaced by AGRI 3010 Animal Health and Welfare

Related Programs

Bachelor of Advanced Science (3757) (<https://hbook.westernsydney.edu.au/archives/2021-2022/programs/bachelor-advanced-science/>)

Bachelor of Medical Science (3755) (<https://hbook.westernsydney.edu.au/archives/2021-2022/programs/bachelor-medical-science/>)

Bachelor of Science (3754) (<https://hbook.westernsydney.edu.au/archives/2021-2022/programs/bachelor-science/>)

Bachelor of Science (Pathway to Teaching Primary/Secondary) (3756) (<https://hbook.westernsydney.edu.au/archives/2021-2022/programs/bachelor-science-pathway-teaching-primary-secondary/>)