

Bachelor of Animal Science (Honours) Integrated Honours

includes:

Bachelor of Animal Science (Honours) Bachelor of Animal Science

The Bachelor of Animal Science (Honours) course provides training in the major disciplines which underpin the animal sciences and prepares graduates for careers in a broad range of professions working with animals or within animal-related industries. The course, which includes a component in practical skills, provides a broad foundation in biological sciences and instruction in basic sciences, research skills and the health, welfare, behaviour, nutrition, genetics and breeding of animals, including farm animals, pets, performance animals, wildlife and zoo animals. In the third and final years, students undertake alternative streams of study in wildlife, captive vertebrates, horses, companion animals, livestock or research. In the Bachelor of Animal Science (Honours) program, students produce their own research which contributes to the research evidence for the animal industry and animal healthcare and welfare research.

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The course includes the following awards:

Bachelor of Animal Science *BAnimalSc*

Bachelor of Animal Science (Honours) *BAnimalSc(Hons)*

Course Study Modes and Locations

Bachelor of Animal Science (5407AS)

On Campus - Wagga Wagga

Availability is subject to change, please verify prior to enrolment.

Normal course duration**Bachelor of Animal Science (Honours)**

Full-time 4.0 years (8.0 sessions)

Bachelor of Animal Science

Full-time 4.0 years (8.0 sessions)

Normal course duration is the effective period of time taken to complete a course when studied Full-time (Full-time Equivalent: FTE). Students are advised to consult the Enrolment Pattern for the actual length of study. Not all courses are offered in Full-time mode.

Admission criteria

[CSU Admission Policy](#)

Bachelor of Animal Science (Honours)

In order to be eligible to transfer into the Honours stream at the beginning of Year 4, students will have to obtain a credit in half of their Year 2 and Year 3 subjects, with no fails and completion in minimum time. The minimum GPA requirement is 4.5. Transfer is also subject to the availability of a suitable research project, funding and supervisor.

Bachelor of Animal Science**ADMISSION CRITERIA FOR THE PASS DEGREE****Rank 1**

Applicants with one or more of the following:

- NSW ATAR greater than the minimum, as approved by Academic Senate, with passes in 2U mathematics AND either 2U chemistry or 2U biology;
- Successful completion of at least four University subjects AND a minimum of 75% success rate in the subjects attempted;

- Applicants eligible for rank 2 who are granted special consideration by the Admissions Sub committee of Academic Senate on the grounds of educational disadvantage.

Rank 2

Applicants with one or more of the following:

- NSW ATAR equal to or greater than the minimum, as approved by Academic Senate, with a pass in one or more of the following subjects - Mathematics, Maths in Society, Physics, Chemistry, Science, Economics, or Biology;
- A completed advanced certificate (Level IV), Associate Diploma, Associate Degree, Diploma or equivalent in a course provided by TAFE or another accredited vocational education provider;
- Successful completion of at least two University subjects, either as an associate student of CSU or subjects offered by another university;
- Applicants eligible for rank 3 who are granted special consideration by the Admissions Sub-committee of the Academic Senate on the grounds of educational disadvantage.

Rank 3

Applicants with one or more of the following:

- NSW HSC ATAR equal to or greater than the minimum, as approved by Academic Senate, or equivalent;
- Completion of the equivalent of one year of study at Certificate III level or higher in a course provided by TAFE or other accredited vocational education provider;
- A minimum of three years relevant work experience AND documentary evidence of motivation to undertake university study in animal science. Such evidence must include a statement by the applicant addressing the issue of work experience, the reason(s) for their interest in the course and what they have done (or will do) to prepare for the course. A statement of support (recommendation) from an employer or a professional person is desirable;
- Aboriginal applicants who have completed the ADEPT program;
- Applicants recommended by the Admissions Sub-committee of the Academic Senate (significant disadvantage);
- Applicants excluded from a course at CSU or another university who have demonstrated that they have taken satisfactory measures to address the factors that contributed to their exclusion.

Credit

[CSU Credit Policy](#)

Bachelor of Animal Science (Honours)

No special arrangements apply

Bachelor of Animal Science

No special arrangements apply

Graduation requirements

Bachelor of Animal Science (Honours)

To graduate students must satisfactorily complete 256 points.

Bachelor of Animal Science

To graduate students must satisfactorily complete 256 points.

Course Structure

All streams are of the same duration.

For the PASS stream:

- 20 x 8 point core subjects (160 points) and 12 x 8 point restricted elective subjects (96 points)

For the HONOURS stream:

- 21 x 8 point core subjects (168 points), 5 x 8 point restricted electives (40 points), and 48 point Honours research project/dissertation (HRS416 + HRS432).

Core Subjects common to Pass and Honours streams (20 subjects; 160 points)

- [ASC110](#) Introduction to Animal Science
- [ASC171](#) Animal Anatomy and Physiology
- [ASC221](#) Animal Genetics
- [ASC222](#) Animal Biotechnology
- [ASC223](#) Animal Growth and Development
- [ASC225](#) Assessment of Animal Welfare
- [ASC261](#) Animal Reproduction

- [ASC273](#)Animal Nutrition
- [ASC305](#)Parasitology
- [ASC306](#)Applied Animal Pharmacology and Therapeutics
- [ASC307](#)Critical Reviews in Animal Science
- [ASC350](#)Animal Health
- [BCM210](#)Foundations and Techniques of Biochemistry
- [BIO100](#)Concepts of Biology
- [BIO216](#)Conservation Biology
- [CHM102](#)Chemistry for Dental and Veterinary Sciences
- [MCR101](#)Introduction to Microbiology
- [STA201](#)Scientific Statistics
- [STA308](#)Experimental Design and Analysis
- [VSC112](#)Animal Behaviour and Welfare

Additional core subject for Honours stream

[STA404](#)Statistical Reasoning

[HRS432](#)Science Honours Project/Dissertation

[HRS416](#)Science Honours Project/Dissertation

Restricted elective subjects (Pass stream - 12 subjects; 96 points. Honours stream - 5 subjects; 40 points)

Other restricted electives not listed below may be taken following approval of the Course Co-ordinator and the Subject Co-ordinator (specifically applies to subjects provided externally through the University of New England).

Animal Production and Management

- [ACC240](#)Financial Management of Small Business
- [AGB110](#)Agricultural Economics
- [AGB310](#)Agricultural Marketing
- [AGB450](#)Agricultural Business Risk and Investment
- [AGR220](#)Extension
- [AHT231](#)Agricultural Finance and Business Management
- [ASC111](#)Comparative Animal Anatomy and Physiology
- [ASC370](#)Ruminant Production and Welfare
- [ASC416](#)Research Project/ Special Topic 1 (16 points)
- [ASC474](#)Intensive Animal Production and Welfare
- [ASC475](#)Meat and Fibre Science
- [ASC525](#)Domestic Animal Behaviour
- [BMS342](#)Medicinal and Indigenous Foods

- [HRM210](#) Human Resource Management
- [LAW110](#) Business Law
- [MGT220](#) eCommerce
- [PSC104](#) Soil Science
- [PSC360](#) Pastures and Rangelands
- [VSC114](#) Applied Veterinary Epidemiology
- [VSC332](#) Advanced Animal Nutrition and Biochemistry

Equine Science and Management

- [ACC240](#) Financial Management of Small Business
- [AGB310](#) Agricultural Marketing
- [AGB450](#) Agricultural Business Risk and Investment
- [AGR220](#) Extension
- [ASC106](#) Equine Industry
- [ASC111](#) Comparative Animal Anatomy and Physiology
- [ASC201](#) Equine Reproduction and Breeding Management
- [ASC202](#) Equine Locomotion
- [ASC209](#) Horse Breeding Technologies
- [ASC321](#) Equine Exercise Physiology
- [ASC412](#) Equine Nutrition
- [ASC413](#) Equine Health
- [ASC416](#) Research Project/ Special Topic 1 (16 points)
- [ASC525](#) Domestic Animal Behaviour
- [HRM210](#) Human Resource Management
- [LAW110](#) Business Law
- [MGT220](#) eCommerce
- [VSC114](#) Applied Veterinary Epidemiology

Wildlife Conservation and Management

- [ACC240](#) Financial Management of Small Business
- [AGR220](#) Extension
- [ASC111](#) Comparative Animal Anatomy and Physiology
- [ASC416](#) Research Project/ Special Topic 1 (16 points)
- [BIO112](#) Principles of Ecology
- [BIO203](#) Animal Diversity
- [BIO263](#) Methods for Environmental Data Analysis
- [BIO312](#) Landscape Ecology
- [BIO323](#) River and Floodplain Ecology
- [BIO327](#) Wildlife Ecology and Management (16 points)
- [BIO328](#) Restoration Ecology

- [BIO433](#)Ornithological Methods
- [BIO437](#)Captive Breeding and Reintroduction of Birds
- [BIO446](#)Captive Reptilian Management
- [BIO489](#)Zoo Curatorship (16 points)
- [BMS342](#)Medicinal and Indigenous Foods
- [ENM422](#)Environmental Impact Assessment and Auditing
- [HRM210](#)Human Resource Management
- [MGT220](#)eCommerce
- [PKM266](#)Culture and Heritage
- [REC200](#)Principles of Ecotourism
- REC305 Advanced Principles of Ecotourism
- SPA115 Principles of Geographic Information Systems (GIS)
- [VSC114](#)Applied Veterinary Epidemiology

Biomedical Sciences

- [ASC416](#)Research Project (16 points)
- [BMS207](#)Clinical Biochemistry
- [BMS216](#)Introductory Haematology
- [BMS229](#)Histotechniques
- [BMS235](#)Protein Biochemistry
- [BMS241](#)Molecular Cell Biology
- [BMS306](#)Advanced Haematology
- [BMS315](#)Medical Microbiology
- [BMS324](#)Immunohaematology and Blood Transfusion
- [BMS342](#)Medicinal and Indigenous Foods
- [FSC200](#)Introduction to Forensic Science
- [VSC114](#)Applied Veterinary Epidemiology

Enrolment Pattern

By full-time study

Pass and Honours Streams

Session 1 (30)

- [ASC110](#)Introduction to Animal Science
- [BIO100](#)Concepts of Biology
- [CHM102](#)Chemistry for Dental and Veterinary Sciences
- [VSC112](#)Animal Behaviour and Welfare

Session 2 (60)

[ASC171](#)Animal Anatomy and Physiology

[ASC221](#)Animal Genetics

[MCR101](#)Microbiology

[STA201](#)Scientific Statistics

Session 3 (30)

[ASC222](#)Animal Biotechnology

[ASC261](#)Animal Reproduction

[BCM210](#)Foundations and Techniques of Biochemistry

Restricted Elective

Session 4 (60)

[ASC223](#)Animal Growth and Development

[ASC225](#)Assessment of Animal Welfare

[ASC273](#)Animal Nutrition

[BIO216](#)Conservation Biology

Session 5 (30)

[ASC350](#)Animal Health

[STA308](#)Experimental Design and Analysis

Restricted Elective

Restricted Elective

Session 6 (60)

[ASC305](#)Parasitology

[ASC306](#)Applied Animal Pharmacology and Therapeutics

Restricted Elective

Restricted Elective

Pass stream

Session 7 (30)

[ASC307](#)Critical Reviews in Animal Science

Restricted Elective

Restricted Elective

Restricted Elective

Session 8 (60)

- [] Restricted Elective
- [] Restricted Elective
- [] Restricted Elective
- [] Restricted Elective

Honours stream

Session 7 (30)

[ASC307](#)Critical Reviews in Animal Science

[HRS416](#)Honours Research Project/Dissertation (16 points)

[STA404](#)Statistical Reasoning

Session 8 (60)

[HRS432](#)Honours Research Project/Dissertation (32 points)

Workplace learning

Please note that the following subjects may contain a Workplace Learning component.

ASC307 Critical Reviews in Animal Science

Residential School

Please note that the following subjects may have a residential school component.

AGR220 Extension

ASC106 Equine Industry

ASC111 Comparative Animal Anatomy and Physiology

ASC171 Animal Anatomy and Physiology

ASC201 Equine Reproduction & Breeding Management

ASC202 Equine Locomotion

ASC209 Horse Breeding Technologies

ASC261 Animal Reproduction

ASC273 Animal Nutrition

ASC305 Parasitology

ASC306 Applied Animal Pharmacology and Therapeutics

ASC321 Equine Exercise Physiology

ASC350 Animal Health

ASC370 Ruminant Production and Welfare

ASC412 Equine Nutrition

ASC413 Equine Health
BCM210 Foundations and Techniques in Biochemistry
BIO100 Concepts of Biology
BIO203 Animal Diversity
BIO323 River and Floodplain Ecology
BIO327 Wildlife Ecology and Management
BIO433 Ornithological Methods
BIO489 Zoo Curatorship
BMS207 Clinical Biochemistry 1
BMS216 Introductory Haematology
BMS229 Histopathology 1
BMS235 Protein Biochemistry
BMS241 Molecular Cell Biology
BMS306 Advanced Haematology
BMS315 Medical Microbiology
BMS324 Immunohaematology and Blood Transfusion
MCR101 Introduction to Microbiology
PKM266 Culture and Heritage
PSC104 Soil Science
PSC360 Pastures and Rangelands

Enrolled students can find further information about CSU residential schools via the [About Residential School](#) page.

Contact

For further information about Charles Sturt University, or this course offering, please contact info.csu on 1800 334 733 (free call within Australia) or email inquiry@csu.edu.au

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[Back](#)