

# **Bachelor of Science (Animal Science) (BSc(AnimalSc))**

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## **Program Code**

BSC

## **Program Minimum Units**

72

## **Standard Duration**

3 Years

## **Program Faculty**

Faculty of Sciences

## **AQF Level**

07

## **Academic Year**

2017

These Program Rules should be read in conjunction with the University's policies (<http://www.adelaide.edu.au/policies>).

## **Overview**

This program offers a broad range of animal science courses that cover wildlife, livestock and companion animal species. The program has a strong emphasis on the practical skills utilised in the area of animal science. In the first year level, students undertake foundation science courses which form the background for later studies in areas such as animal physiology, nutrition, breeding and management. Level I involves studies at both North Terrace and Roseworthy campuses, while the core elements of the rest of the program will be based at Roseworthy campus. Students within the program are encouraged to undertake work placements in relevant industries.

The Bachelor of Science (Animal Science) is an AQF Level 7 program with a standard full-time duration of 3 years.

## **Academic Program Rules for Bachelor of Science (Animal Science) (BSc(AnimalSc))**

There shall be a Bachelor of Science (Animal Science) (BSc(AnimalSc)).

## **Qualification Requirements Academic Program**

To qualify for the degree of Bachelor of Science (Animal Science), the student must complete satisfactorily a program of study consisting of the following requirements with a combined total of not less than 72 units, comprising:

1. Core courses to the value of 63 units
2. Elective courses to the value of 9 units
3. Work based training / extra mural studies

## **Core Courses**

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To satisfy the requirements for Core Courses students must complete courses to the value of 63 units.

### Level I

All of the following courses must be completed:

ANIML SC 1015RW [Animal Handling & Husbandry I](#) (3 units)

ANIML SC 1016RW [Principles in Animal Behaviour Welfare Ethics I](#) (3 units)

BIOLOGY 1202 [Biology I: Organisms](#) (3 units)

STATS 1004 [Statistical Practice I \(Life Sciences\)](#) (3 units)

**and**

Courses to the value of 3 units from the following:

BIOLOGY 1101 [Biology I: Molecules, Genes and Cells](#) (3 units)

BIOLOGY 1401 [Concepts in Biology](#) (3 units)

**and**

Courses to the value of 6 units from the following:

CHEM 1100 [Chemistry IA](#) (3 units)

CHEM 1101 [Foundations of Chemistry IA](#) (3 units)

CHEM 1200 [Chemistry IB](#) (3 units)

CHEM 1201 [Foundations of Chemistry IB](#) (3 units)

CHEM 1310 [Chemistry IA\(S\)](#) (3 units)

CHEM 1311 [Chemistry IB\(S\)](#) (3 units)

### Level II

All of the following courses must be completed:

AGRIC 2500RW [Animal and Plant Biochemistry II](#) (3 units)

ANIML SC 2502RW [Wildlife Management II](#) (3 units)

ANIML SC 2500RW [Companion Animal and Equine Studies II](#) (3 units)

ANIML SC 2506RW [Comparative Animal Anatomy & Physiology IIA](#) (3 units)

ANIML SC 2501RW [Genes and Inheritance II](#) (3 units)

ANIML SC 2503RW [Livestock Production Science II](#) (3 units)

ANIML SC 2507RW [Comparative Animal Anatomy & Physiology IIB](#) (3 units)

ANIML SC 2520RW [Research Methodology for Animal Sciences II](#) (3 units)

### Level III

All of the following courses must be completed:

ANIML SC 3045RW [Animal Breeding and Genetics III](#) (3 units)

ANIML SC 3046RW [Animal Reproduction III](#) (3 units)

ANIML SC 3020RW [Animal Microbiology & Invertebrates III](#) (3 units)

ANIML SC 3100RW [Laboratory Animal Science III](#) (3 units)

ANIML SC 3015RW [Animal Nutrition and Metabolism III](#) (3 units)

ANIML SC 3016RW [Animal Health III](#) (3 units)

### Elective Courses

To satisfy the requirements for Elective Courses students must complete courses to the value of 9 units.

### Level I

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Courses to the value of up to 3 units may be taken from the following:

ENV BIOL 1002 [Ecological Issues I](#) (3 units)

PHYSICS 1008 [Physical Aspects of Nature I](#) (3 units)

PHYSICS 1101 [Physics for the Life and Earth Sciences IA](#) (3 units)

**or**

Level I Electives from the Bachelor of Science or other undergraduate courses offered by the University that are available to the student

### Level III

Courses to the value of up to 6 units may be taken from the following:

AGRIC 3500WT [Professional Skills in Agricultural Science III](#) (3 units)

ANIML SC 3019RW [Ecology and Management of Vertebrate Pests III](#) (3 units)

ANIML SC 3043RW [Animal Biotechnology III](#) (3 units)

ANIML SC 3018RW [Pig Production - Science into Management III](#) (3 units)

ANIML SC 3250RW [Animals and the Law](#) (3 units)

ANIML SC 3515RW [Parasitology III](#) (3 units)

### Work Based Training / Extra Mural Studies

To satisfy the requirements for Work Based Training / Extra Mural Studies students must adhere to the following:

If students take AGRIC 3500WT Professional Skills In Agricultural Science III they must complete a total of 12 weeks of professional work experience to the value of approximately 450 hours.

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