

# University of Pretoria Yearbook 2018

## BScAgric Animal Science (02133411)

**Minimum duration of study** 4 years

**Total credits** 560

### Admission requirements

- In order to register NSC/IEB/Cambridge candidates must comply with the minimum requirements for degree studies as well as the minimum requirements for the relevant programme.
- Life Orientation is excluded in the calculation of the Admission Point Score (APS).
- Grade 11 results are used for the provisional admission of prospective students. Final admission is based on the Grade 12 results.

Minimum requirements												
Achievement level												
Afrikaans or English				Mathematics				Physical Science				APS
NSC/IEB	HIGCSE	AS-Level	A-Level	NSC/IEB	HIGCSE	AS-Level	A-Level	NSC/IEB	HIGCSE	AS-Level	A-Level	
5	3	C	C	5	3	C	C	5	3	C	C	30

Candidates who do not comply with the minimum admission requirements may be considered for admission to the BSc (Extended Programme) based on the results of the NBT. Please note that students who are placed in the BSc (Extended Programme) will take a minimum of five years to complete the BSc Agric programme.

### BSc - Extended programme for the Biological and Agricultural Sciences:

Minimum requirements													
Achievement level													
	Afrikaans or English				Mathematics				Physical Science				APS
	NSC/IEB	HIGCSE	AS-Level	A-Level	NSC/IEB	HIGCSE	AS-Level	A-Level	NSC/IEB	HIGCSE	AS-Level	A-Level	
BSc - Extended programme for the Biological and Agricultural Sciences	4	3	D	D	4	3	D	D	4	3	D	D	24

## Other programme-specific information

### **Compilation of curriculum**

Students must register for elective modules in consultation with the head of department who must ensure that the modules do not clash on the set timetable.

The Dean may, in exceptional cases and on recommendation of the head of department, approve deviations from the prescribed curriculum.

### Promotion to next study year

A student will be promoted to the following year of study if he or she passed 100 credits of the prescribed credits for a year of study, unless the Dean on the recommendation of the head of department decides otherwise. A student who does not comply with the requirements for promotion to the following year of study, retains the credit for the modules already passed and may be admitted by the Dean, on recommendation of the head of department, to modules of the following year of study to a maximum of 48 credits, provided that it will fit in with both the lecture and examination timetable.

### Pass with distinction

The BScAgric degree is conferred with distinction if a student obtains a weighted average of at least 75% in the modules of the major subjects in the third and the fourth year of study, with a weighted average of at least 65% in the other modules of the third and the fourth year of study.



## Curriculum: Year 1

**Minimum credits: 140**

**Minimum credits:**

Fundamental = 12

Core = 128

**Additional information:**

Students who do not qualify for AIM 102 must register for AIM 111 and AIM 121.

### Fundamental modules

[Academic information management 102](#) (AIM 102) - Credits: 6.00

[Academic information management 111](#) (AIM 111) - Credits: 4.00

[Academic information management 121](#) (AIM 121) - Credits: 4.00

[Language and study skills 110](#) (LST 110) - Credits: 6.00

[Academic orientation 102](#) (UPO 102) - Credits: 0.00

### Core modules

[Biometry 120](#) (BME 120) - Credits: 16.00

[Plant biology 161](#) (BOT 161) - Credits: 8.00

[General chemistry 117](#) (CMY 117) - Credits: 16.00

[General chemistry 127](#) (CMY 127) - Credits: 16.00

[Introductory genetics 161](#) (GTS 161) - Credits: 8.00

[Introduction to microbiology 161](#) (MBY 161) - Credits: 8.00

[Molecular and cell biology 111](#) (MLB 111) - Credits: 16.00

[Physics for biology students 131](#) (PHY 131) - Credits: 16.00

[Mathematics 134](#) (WTW 134) - Credits: 16.00

[Animal diversity 161](#) (ZEN 161) - Credits: 8.00



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## Curriculum: Year 2

**Minimum credits: 147**

**Minimum credits:**

Core = 156

### Core modules

Introduction to proteins and enzymes 251 (BCM 251) - Credits: 12.00

Carbohydrate metabolism 252 (BCM 252) - Credits: 12.00

Lipid and nitrogen metabolism 261 (BCM 261) - Credits: 12.00

Biochemical principles of nutrition and toxicology 262 (BCM 262) - Credits: 12.00

Animal anatomy and physiology 200 (DAF 200) - Credits: 32.00

Introductory soil science 250 (GKD 250) - Credits: 12.00

Molecular genetics 251 (GTS 251) - Credits: 12.00

Genetic diversity and evolution 261 (GTS 261) - Credits: 12.00

Sustainable crop production and agroclimatology 251 (PPK 251) - Credits: 15.00

Animal science 250 (VKU 250) - Credits: 8.00

Animal Science 260 (VKU 260) - Credits: 8.00



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## Curriculum: Year 3

**Minimum credits: 140**

**Minimum credits:**

Core = 154

### Core modules

Biometry 210 (BME 210) - Credits: 24.00

Animal physiology 311 (DFS 311) - Credits: 10.00

Growth physiology 320 (DFS 320) - Credits: 12.00

Introduction to agricultural economics 210 (LEK 210) - Credits: 12.00

Reproduction science 310 (RPL 310) - Credits: 8.00

Reproduction science 320 (RPL 320) - Credits: 10.00

Animal breeding 320 (TLR 320) - Credits: 12.00

Nutrition science 310 (VGE 310) - Credits: 14.00

Nutrition Science 320 (VGE 320) - Credits: 14.00

Principles of veld management 310 (WDE 310) - Credits: 12.00

Planted pastures and fodder crops 320 (WDE 320) - Credits: 12.00



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## Curriculum: Final year

**Minimum credits: 133**

**Minimum credits:**

Core = 148

### Core modules

Large stock nutrition and production 420 (GVK 420) - Credits: 18.00

Small stock nutrition and production 420 (KVK 420) - Credits: 18.00

Poultry nutrition and production 420 (PVK 420) - Credits: 18.00

Animal breeding 411 (TLR 411) - Credits: 12.00

Applied animal breeding 420 (TLR 420) - Credits: 12.00

Monogastric nutrition and production 411 (VGE 411) - Credits: 16.00

Research methodology 400 (VKU 400) - Credits: 16.00

Meat and dairy science 420 (VSX 420) - Credits: 8.00

Advanced pasture science 450 (WDE 450) - Credits: 15.00

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The information published here is subject to change and may be amended after the publication of this information. The [General Regulations \(G Regulations\)](#) apply to all faculties of the University of Pretoria. It is expected of students to familiarise themselves well with these regulations as well as with the information contained in the [General Rules](#) section. Ignorance concerning these regulations and rules will not be accepted as an excuse for any transgression.