

# University of Pretoria Yearbook 2021

## BScAgric Animal Science (02133411)

**Department** Animal Science

**Minimum duration of study** 4 years

**Total credits** 562

**NQF level** 08

### Admission requirements

- The closing date is an administrative admission guideline for non-selection programmes. Once a non-selection programme is full and has reached the institutional targets, then that programme will be closed for further admissions, irrespective of the closing date. However, if the institutional targets have not been met by the closing date, then that programme will remain open for admissions until the institutional targets are met.
- The following persons will be considered for admission: candidates who are in possession of a certificate that is deemed by the University to be equivalent to the required National Senior Certificate with university endorsement, candidates who are graduates from another tertiary institution or have been granted the status of a graduate of such an institution, and candidates who are graduates of another faculty at the University of Pretoria.
- Life Orientation is excluded from the calculation of the Admission Point Score (APS).
- Grade 11 results are used for the conditional admission of prospective students. Final admission is based on Grade 12 results.
- Please note that the Faculty does not accept GED and School of Tomorrow qualifications for entry into our programmes.

### **Transferring students**

#### **Candidates previously registered at UP or at another university**

The faculty's Admissions Committee considers applications of candidates who have already completed the final NSC or equivalent qualification examination and/or were previously registered at UP or another university, on grounds of their final NSC or equivalent qualification results as well as academic merit.

#### **Candidates previously registered at a FET college or a university of technology**

The faculty's Admissions Committee considers the application of these candidates on the grounds of their final NSC or equivalent qualification results as well as academic merit.

### **Qualifications from countries other than South Africa**

- Citizens from countries other than South Africa and South African citizens with foreign qualifications must comply with all the other admission requirements and the prerequisites for subjects/modules.
- In addition to meeting the admission requirements, admission is based on the performance in the **TOEFL, IELTS or SAT**, if required.
- Candidates must have completed the National Senior Certificate with admission to degree studies or a certificate of conditional exemption on the basis of a candidate's foreign qualifications, the so-called "Immigrant" or "Foreign Conditional Exemption". The only condition for the "Foreign Conditional Exemption"

that is accepted is: 'completion of the degree course'. The exemption certificate is obtainable from Universities South Africa (USAf). Detailed information is available on the website at [click here](#).

**University of Pretoria website:** [click here](#)

### Minimum requirements

#### Achievement level

#### English Home

#### Language or

#### English First

#### Additional

#### Language

#### Mathematics

#### Physical Sciences

#### APS

| NSC/IEB | AS Level | NSC/IEB | AS Level | NSC/IEB | AS Level |           |
|---------|----------|---------|----------|---------|----------|-----------|
| 5       | C        | 5       | C        | 5       | C        | <b>32</b> |

\* Cambridge A level candidates who obtained at least a D in the required subjects, will be considered for admission. Students in the Cambridge system must offer both Physics AND Chemistry with performance at the level specified for NSC Physical Sciences in the table above.

\* International Baccalaureate (IB) HL candidates who obtained at least a 4 in the required subjects, will be considered for admission. Students in the IB system must offer both Physics AND Chemistry with performance at the level specified for NSC Physical Sciences in the table above.

Candidates who do not comply with the minimum admission requirements for BScAgric (Animal Science), may be considered for admission to the BSc – Extended programme – Biological and Agricultural Sciences. This programme takes a year longer than the normal programmes to complete.

### BSc - Extended Programme - Biological and Agricultural Sciences

#### Minimum requirements

#### Achievement level

#### English Home

#### Language or

#### English First

#### Additional

#### Language

#### Mathematics

#### Physical Sciences

#### APS

| NSC/IEB | AS Level | NSC/IEB | AS Level | NSC/IEB | AS Level |           |
|---------|----------|---------|----------|---------|----------|-----------|
| 4       | D        | 4       | D        | 4       | D        | <b>26</b> |

## 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 relevant 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 relevant 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 relevant 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.

Only students who have completed all prescribed second- and third-year level modules will be admitted to the final year of study.

## 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: 142**

Fundamental = 14

Core modules = 128

**Additional information:**

- Students intending to apply for the BVSc selection have to enrol for MTL 180(12).

### Fundamental modules

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

Plants and society 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



---

## Curriculum: Year 2

**Minimum credits: 147**

### Core modules

- Introduction to proteins and enzymes 251 (BCM 251) - Credits: 12.00
- Carbohydrate metabolism 252 (BCM 252) - Credits: 12.00
- Introductory biochemistry 257 (BCM 257) - Credits: 12.00
- Lipid and nitrogen metabolism 261 (BCM 261) - 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



---

## Curriculum: Year 3

**Minimum credits: 140**

### 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

---

## Curriculum: Final year

**Minimum credits: 133**

**Additional Information:**

Only students who have **completed** all prescribed second- and third-year level modules will be admitted to the final year of study.

### 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

---

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.