



# University of Pretoria Yearbook 2025

## BScAgric in Animal Science (02133425)

**Department** Animal Science

**Minimum duration of study** 4 years

**Total credits** 559

**NQF level** 08

### Admission requirements

#### Important information for all prospective students for 2025

The admission requirements below apply to all who apply for admission to the University of Pretoria with a **National Senior Certificate (NSC) and Independent Examination Board (IEB) qualifications**. [Click here](#) for this Faculty Brochure.

Minimum requirements			
Achievement level			
English Home Language or English First Additional Language	Mathematics	Physical Sciences	APS
NSC/IEB	NSC/IEB	NSC/IEB	
5	5	5	
			<b>32</b>

Life Orientation is excluded when calculating the APS.

Applicants currently in Grade 12 must apply with their final Grade 11 (or equivalent) results.

Applicants who have completed Grade 12 must apply with their final NSC or equivalent qualification results.

Please note that meeting the minimum academic requirements does not guarantee admission.

Successful candidates will be notified once admitted or conditionally admitted.

Unsuccessful candidates will be notified after 30 June.

Applicants should check their application status regularly on the UP Student Portal at [click here](#).

**Applicants with qualifications other than the abovementioned** should refer to the International undergraduate prospectus 2026: Applicants with a school leaving certificate not issued by Umalusi (South Africa), available at [click here](#).

**International students:** [Click here](#).

#### Transferring students

A transferring student is a student who, at the time of applying at the University of Pretoria (UP) is/was a registered student at another tertiary institution. A transferring student will be considered for admission based on NSC or equivalent qualification and previous academic performance. Students who have been dismissed from other institutions due to poor academic performance will not be considered for admission to UP.

**Closing dates:** Same as above.

### **Returning students**

A returning student is a student who, at the time of application for a degree programme is/was a registered student at UP, and wants to transfer to another degree at UP. A returning student will be considered for admission based on NSC or equivalent qualification and previous academic performance.

#### **Note:**

- Students who have been excluded/dismissed from a faculty due to poor academic performance may be considered for admission to another programme at UP, as per faculty-specific requirements.
- Only ONE transfer between UP faculties and TWO transfers within a faculty will be allowed.
- Admission of returning students will always depend on the faculty concerned and the availability of space in the programmes for which they apply.

### **Closing date for applications from returning students**

Unless capacity allows for an extension of the closing date, applications from returning students must be submitted before the end of August via your UP Student Centre.

## **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.

#### **1.1 Requirements for specific modules**

A candidate who:

- a. does not qualify for STK 110, must enrol for STK 113 and STK 123;
- b. registers for Mathematical Statistics (WST) and Statistics (STK) modules must take note that WST and STK modules, except for STK 281, may not be taken simultaneously in a programme; a student must take one and only one of the following options:
  - WST 111, WST 121, WST 212, WST 211, WST 221, WST 311, WST 312, WST 322, WST 321, and STK 353
  - or
  - WST 111, WST 121, WST 212, WST 211, WST 221, WST 311, WST 312, WST 322, STK 320, STK 353.
  - or
  - STK 110, STC 122, STK 210, STK 220, WST 212, STK 310, STK 320, STK 353.
- c. registers for a module presented by another faculty must take note of the timetable clashes, prerequisites for that module, subminimum required in examination papers, supplementary examinations, etc.

#### **1.2 Fundamental modules**

- a. It is compulsory for all new first-year students to satisfactorily complete the Academic orientation (UPO 102) and to take Academic information management modules (AIM 111 and AIM 121) and Language and study skills (LST 110). Please see curricula for details.
- b. Students who intend to apply for admission to MBChB or BChD in the second semester, when places become

available in those programmes, may be permitted to register for up to 80 module credits and 4 core modules in the first semester during the first year provided that they obtained a final mark of no less than 70% for Grade 12 Mathematics and achieved an APS of 34 or more in the NSC.



## Curriculum: Year 1

**Minimum credits: 140**

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



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## 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



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## 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: 14.00

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: 130**

### Additional Information

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

### Core modules

Beef management and nutrition 420 (BMN 420) - Credits: 14.00

Dairy management and nutrition 410 (DMN 410) - Credits: 16.00

Small stock nutrition and production 420 (KVK 420) - Credits: 14.00

Livestock feed technology 420 (LFT 420) - Credits: 10.00

Poultry nutrition and production 420 (PVK 420) - Credits: 14.00

Animal breeding 411 (TLR 411) - Credits: 16.00

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

Research project 400 (VKU 400) - Credits: 30.00

### General Academic Regulations and Student Rules

The [General Academic Regulations \(G Regulations\)](#) and [General Student Rules](#) apply to all faculties and registered students of the University, as well as all prospective students who have accepted an offer of a place at the University of Pretoria. On registering for a programme, the student bears the responsibility of ensuring that they familiarise themselves with the General Academic Regulations applicable to their registration, as well as the relevant faculty-specific and programme-specific regulations and information as stipulated in the relevant yearbook. Ignorance concerning these regulations will not be accepted as an excuse for any transgression, or basis for an exception to any of the aforementioned regulations. The G Regulations are updated annually and may be amended after the publication of this information.

### Regulations, degree requirements and information

The faculty regulations, information on and requirements for the degrees published here are subject to change and may be amended after the publication of this information.

### University of Pretoria Programme Qualification Mix (PQM) verification project

The higher education sector has undergone an extensive alignment to the Higher Education Qualification Sub-Framework (HEQSF) across all institutions in South Africa. In order to comply with the HEQSF, all institutions are legally required to participate in a national initiative led by regulatory bodies such as the Department of Higher Education and Training (DHET), the Council on Higher Education (CHE), and the South African Qualifications Authority (SAQA). The University of Pretoria is presently engaged in an ongoing effort to align its qualifications and programmes with the HEQSF criteria. Current and prospective students should take note that changes to UP qualification and programme names, may occur as a result of the HEQSF initiative. Students are advised to contact their faculties if they have any questions.