

University of Pretoria Yearbook 2025

MScAgric in Animal Science in Animal Breeding and Genetics (02255018)

Department Animal Science

Minimum duration of study 2 years

Total credits 180

NQF level 09

Programme information

The curriculum for the MScAgric degree consists of a dissertation of 180 credits.

An MScAgric degree in Animal breeding and genetics offers students the opportunity to investigate livestock populations on either quantitative or molecular level. It combines population genetics and genetic improvement of livestock to improve the efficiency of production in farm animals. This program focusses mainly on the genetic diversity and evaluation of large and small stock, with an emphasis on welfare traits and sustainable farming. Projects in this program offer opportunities for inter disciplinary research.

Also consult General Academic Regulations G30-G41.

Residence

On the recommendation of the relevant head of department, the Dean may set specific residential requirements for the MScAgric degree.

Curriculum

Subject to programme-specific requirements, the curriculum for the MScAgric degree consists of the following:

- A dissertation; and
- Further study in the major subject/s, augmented by ancillary modules prescribed by the Postgraduate Studies Committee, on the recommendation of the head of department. Such ancillary modules may be taken simultaneously with the major subject/s. Candidates in possession of the BScAgricHons degree may be exempted from additional ancillary modules.
- Please note that not all modules will be offered in any one year.

Admission requirements

- Bachelor of Science in Agriculture in Animal Science degree
and
A weighted average of at least 60% at final year level
or
- Relevant honours degree

and

A cumulative weighted average of at least 60% at honours level

3. A weighted average of at least 60% at honours or final-year level

Note:

1. An admission examination may be required

2. Additional modules may be required in order to reach the desired level of competency



Curriculum: Year 1

Core modules

Dissertation: Animal science 890 (VKU 890)

Module credits	180.00
NQF Level	09
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Animal Science
Period of presentation	Year

Module content

Dissertation of 180 credits, which includes a preparatory workshop.

Curriculum: Final year

Core modules

Dissertation: Animal science 890 (VKU 890)

Module credits	180.00
NQF Level	09
Prerequisites	No prerequisites.
Language of tuition	Module is presented in English
Department	Animal Science
Period of presentation	Year

Module content

Dissertation of 180 credits, which includes a preparatory workshop.

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.