University of Pretoria Yearbook 2025

BScAgric in Plant Pathology 5-year programme (02131012)

Department	Department of Plant and Soil Sciences
Minimum duration of study	5 years
Total credits	656
NQF level	08

Programme information

This is an extended BScAgric degree programme with a five-year curriculum that is only presented on a full-time basis. It is designed to enable students, who show academic potential, to obtain a BScAgric degree.

This programme is directed at a general formative education in the agricultural sciences. It provides the student with a broad academic basis to continue with postgraduate studies and prepares the student for active involvement in a wide variety of career possibilities.

1. Students who are admitted to one of the BScAgric five-year programmes register for one specific programme.
2. These programmes are followed by students who, as a result of exceptional circumstances, will benefit from an extended programme.
3. Students who do not comply with the normal four-year BScAgric entrance requirements for study in the Faculty of Natural and Agricultural Sciences, may nevertheless be admitted to the Faculty by being placed on the BScAgric five-year programmes. Generally, an extended programme means that the first study year is extended to take two years. The possibility of switching over to other faculties after one or two years in the five-year programmes, exists. This depends on selection rules and other conditions stipulated by the other faculties.
4. Applications for admission to the BScAgric five-year programmes should be submitted in accordance with the UP applications process, with applications considered up to 30 June and in a second round in August/September. Details are obtainable from the Student Administration at the Faculty of Natural and Agricultural Sciences.
5. The rules and regulations applicable to the mainstream study programmes apply mutatis mutandis to the BScAgric five-year programmes, with exceptions as indicated in the regulations pertaining to the BScAgric five-year programmes. For instance, students placed in the BScAgric five-year programmes must have a National Senior Certificate with admission for degree purposes.

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	
58%	58%	58%	**30**

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.

Only students that have completed school in the last two years and have not studied at a tertiary institution will be considered for this programme.

Successful candidates will be notified once admitted or conditionally admitted.

Unsuccessful candidates will also be notified.

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 2025: Applicants with a school leaving certificate not issued by Umalusi (South Africa), available at click here.

International students: Click here.

Examinations and pass requirements

Academic promotion requirements
Students who do not show progress during the first semester of the first year will be referred to the Admissions Committee of the Faculty.
It is expected of students who register for the first year of the BScAgric five-year programmes to pass all the prescribed modules of the first year.

Progression requirement
The first year is foundational to the mainstream modules that follow; students will be limited to repeating two foundation modules during year 2 of study. Students may apply for internal transfers at the end of year 2. Not all mainstream programmes will be accessible; the Faculty's transfer guide will clearly outline all possibilities and the overarching objective will be that approved transfers will not involve adding an additional year of study.

Curriculum: Year 1

Minimum credits: 100

Fundamental = 20
Core = 80

Fundamental modules

Academic information management 111 (AIM 111) - Credits: 4.00
Academic information management 121 (AIM 121) - Credits: 4.00
Language, life and study skills 133 (LST 133) - Credits: 6.00
Language, life and study skills 143 (LST 143) - Credits: 6.00
Academic orientation 102 (UPO 102) - Credits: 0.00

Core modules

Foundational biology 137 (BIO 137) - Credits: 8.00
Foundational biology 147 (BIO 147) - Credits: 8.00
Foundational chemistry 137 (CMY 137) - Credits: 8.00
Foundational chemistry 147 (CMY 147) - Credits: 8.00
Foundational physics 137 (PHY 137) - Credits: 8.00
Foundational physics 147 (PHY 147) - Credits: 8.00
Foundational statistics 137 (STC 137) - Credits: 8.00
Foundational statistics 147 (STC 147) - Credits: 8.00
Foundational mathematics 137 (WTW 137) - Credits: 8.00
Foundational mathematics 147 (WTW 147) - Credits: 8.00

Curriculum: Year 2

Minimum credits: 128

Core modules = 128

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 3

Minimum credits: 147

Core = 147

Core modules

Introduction to proteins and enzymes 251 (BCM 251) - Credits: 12.00
Plant physiology and biotechnology 261 (BOT 261) - Credits: 12.00
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
Introduction to agricultural economics 210 (LEK 210) - Credits: 14.00
Agricultural economics 220 (LEK 220) - Credits: 12.00
Bacteriology 251 (MBY 251) - Credits: 12.00
Mycology 261 (MBY 261) - Credits: 12.00
Introduction to crop protection 251 (PLG 251) - Credits: 12.00
Principles of plant pathology 262 (PLG 262) - Credits: 12.00
Sustainable crop production and agroclimatology 251 (PPK 251) - Credits: 15.00

Curriculum: Year 4

Minimum credits: 136

Core = 136

Core modules

Field crops 361 (AGR 361) - Credits: 14.00
Plant ecophysiology 356 (BOT 356) - Credits: 18.00
Plant genetics and crop biotechnology 361 (BTC 361) - Credits: 18.00
Principles and practices 351 (HSC 351) - Credits: 14.00
Virology 351 (MBY 351) - Credits: 18.00
Genetic manipulation of microbes 364 (MBY 364) - Credits: 18.00
General plant pathology 351 (PLG 351) - Credits: 18.00
Plant disease control 363 (PLG 363) - Credits: 18.00

Curriculum: Final year

Minimum credits: 145

Core = 145

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

Statistics for biological sciences 410 (BME 410) - Credits: 15.00
Weed science 413 (OKW 413) - Credits: 15.00
Seminar 400 (PGW 400) - Credits: 15.00
Research project 462 (PLG 462) - Credits: 35.00
Plant disease epidemiology and control 463 (PLG 463) - Credits: 15.00
Molecular plant pathology and plant biosecurity 490 (PLG 490) - Credits: 15.00
Applied entomology 365 (ZEN 365) - Credits: 18.00

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.