University of Pretoria Yearbook 2018

BScAgric Applied Plant and Soil Sciences (02133431)

Minimum duration of study	4 years
Total credits	573

Admission requirements

- The following persons will be considered for admission: a candidate who is in possession of a certificate that is deemed by the University to be equivalent to the required Grade 12 certificate with university endorsement; a candidate who is a graduate from another tertiary institution or has been granted the status of a graduate of such an institution; and a candidate who is a graduate of another faculty at the University of Pretoria.
- 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 for BSc (Applied Plant and Soil Sciences), may be considered for admission to the BSc – Extended programme for the Biological and Agricultural Sciences. The BSc – Extended programme takes one year longer to complete.

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

Curriculum: Year 2

Minimum credits: 135

Minimum credits:

Core = 135

Core modules

Introduction to proteins and enzymes 251 (BCM 251) - Credits: 12.00
South African flora and vegetation 251 (BOT 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: 12.00
Agricultural economics 220 (LEK 220) - 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 3

Minimum credits: 148

Minimum credits:

Core = 154

Core modules

Field crops 361 (AGR 361) - Credits: 14.00
Plant ecophysiology 356 (BOT 356) - Credits: 18.00
Soil chemistry 320 (GKD 320) - Credits: 14.00
Soil classification and surveying 350 (GKD 350) - Credits: 14.00
Principles and practices 351 (HSC 351) - Credits: 14.00
Soil-water relationship and irrigation 350 (PGW 350) - Credits: 14.00
Plant disease control 363 (PLG 363) - Credits: 18.00
Principles of veld management 310 (WDE 310) - Credits: 12.00
Planted pastures and fodder crops 320 (WDE 320) - Credits: 12.00
Applied entomology 365 (ZEN 365) - Credits: 18.00

Curriculum: Final year

Minimum credits: 150

Minimum credits:

Core = 166

Core modules

Vegetable crops 410 (AGR 410) - Credits: 15.00
Crop physiology 461 (APS 461) - Credits: 15.00
Soil fertility, soil microbiology and plant nutrition 420 (GKD 420) - Credits: 15.00
Fruit tree crops 420 (HSC 420) - Credits: 15.00
Ornamental horticulture 490 (HSC 490) - Credits: 15.00
Environmental biophysics 450 (LKM 450) - Credits: 15.00
Weed science 413 (OKW 413) - Credits: 15.00
Seminar 400 (PGW 400) - Credits: 15.00
Experimental design and analysis 421 (PGW 421) - Credits: 15.00
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.