University of Pretoria Yearbook 2023

BSc extended programme - Biological and Agricultural Sciences (02130014)

Department	Natural and Agricultural Sciences Dean's Office
Minimum duration of study	4 years
Total credits	152
NQF level	07

Admission requirements

Important information for all prospective students for 2023

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.**

Candidates who do not comply with the minimum admission requirements of programmes in the Departments of Biological and Agricultural Sciences, may be considered for admission to the BSc – Extended programme for the Biological and Agricultural Sciences, which requires an additional year of study.

Please note: Students who are placed in the BSc – Extended programme will take a minimum of five years to complete the BScAgric programmes, BSc (Culinary Science) or BSc (Nutrition).

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	NSC/IEB	NSC/IEB	
4	4	4	**26**

*Students enrolled for the BSc – Extended programme – Biological and Agricultural Sciences, do not qualify to apply for the mid-year intake in the Faculty of Health Sciences.

Note:

*The BSc – Extended programmes are not available for students who meet all the requirements for the corresponding mainstream programme.

*Please note that only students who apply in their final NSC or equivalent qualification year will be considered for admission into any of the BSc – Extended programmes. Students who are upgrading or taking a gap year will not be considered.

Life Orientation is excluded when calculating the APS.

You will be considered for final admission to degree studies if space allows, and if you have a National Senior Certificate (NSC) or equivalent qualification with admission to bachelor's degree studies, and comply with the minimum subject requirements as well as the APS requirements of your chosen programme.

Applicants with qualifications other than the abovementioned should refer to the Brochure: Undergraduate Programme Information 2023: Qualifications other than the NSC and IEB, available at click here.

International students: Click here.

Additional requirements

a. Students who are admitted to one of the BSc extended programmes register for one specific programme. Three extended programmes are available:

- BSc extended programme – Mathematical Sciences
- BSc extended programme – Biological and Agricultural Sciences
- BSc extended programme – Physical Sciences

b. These programmes are followed by students who, as a result of exceptional circumstances, will benefit from an extended programme.
c. Students who do not comply with the normal three-year BSc entrance requirements for study in the Faculty of Natural and Agricultural Sciences, may nevertheless be admitted to the Faculty by being placed on the BSc extended programme. Generally the BSc extended programme means that the first study year in Mathematics, Physics, Biology and Chemistry is extended to take two years. After completing the BSc extended programme successfully, students join the second year of the normal BSc programme to complete their degrees. The possibility of switching over to other faculties such as Engineering, Built Environment and Information Technology, Veterinary Science and Health Sciences, after one or two years in the extended programme, exists. This depends on selection rules and other conditions stipulated by the other faculties.
d. Students who wish to follow one of the BSc extended programmes will be subjected to an Institutional Proficiency Test and will be considered for admission by the Admissions Committee. Information in this regard is available at the Client Services Centre.
e. Applications for admission to the BSc extended programme should be submitted before 30 September each year. Details are obtainable from the Student Administration at the Faculty of Natural and Agricultural Sciences.
f. The rules and regulations applicable to the normal study programmes apply mutatis mutandis to the BSc extended programme, with exceptions as indicated in the regulations pertaining to the BSc extended programme. For instance, students placed in the BSc extended programme must have a National Senior Certificate with admission for degree purposes.
g. An admissions committee considers applications for the BSc extended programme annually. Regarding subject choices, admitted students are individually placed on the BSc extended programme according to their prospective field of study. Students may NOT change this placement without the permission of the Chairperson of the admissions committee.

Other programme-specific information

a. The BSc extended programmes are not available for students who meet all the requirements for the corresponding mainstream programme.

b. Please note that only students who apply in their final NSC or equivalent qualification year will be considered for admission into any of the BSc extended programmes.
c. Students who are placed on the BSc extended programme will take a minimum of five years to complete the BScAgric, BSc (Culinary Science) or BSc (Nutrition) programmes.
d. Students enrolled for the BSc extended programme – Biological and Agricultural Sciences, do not qualify to apply for the mid-year intake in the Faculty of Health Sciences.
e. Progression from the BSc extended programme – Mathematical Sciences 02130016 to the mathematics-intensive programmes will be considered only if students obtained a GPA of 65% in their first-year modules. Students who pass all first-year modules will be advised on alternative academic pathways. In addition, admission into the BSc (Actuarial and Financial Mathematics) programme will only be considered if students have passed IAS 111 and achieved a minimum mark of 60% in WTW 153 and WST 153.

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.

Promotion to next study year

Academic promotion requirements

It is expected of students who register for the first year of the BSc extended programme to pass all the prescribed modules of the first year.

It is expected of students accepted into the BSc extended programme to finish a complete corresponding BSc first year within the two years of enrolment in the BSc extended programme. Students who do not show progress during the first semester of the first year will be referred to the Admissions Committee of the Faculty.

General 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 (HEQF) 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.

Curriculum: Year 1

Minimum credits: 88

Fundamental = 24

Core = 64

NB Students may register for an extended programme module only once.

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: 8.00
Language, life and study skills 143 (LST 143) - Credits: 8.00
Academic orientation 120 (UPO 120) - Credits: 0.00

Core modules

Chemistry 133 (CMY 133) - Credits: 8.00
Chemistry 143 (CMY 143) - Credits: 8.00
Molecular and cell biology 133 (MLB 133) - Credits: 8.00
Molecular and cell biology 143 (MLB 143) - Credits: 8.00
Physics 133 (PHY 133) - Credits: 8.00
Physics 144 (PHY 144) - Credits: 8.00
Precalculus 133 (WTW 133) - Credits: 8.00
Mathematics 144 (WTW 144) - Credits: 8.00

Curriculum: Year 2

Minimum credits: 32

Core = 32

Elective = According to BSc programme of choice

Additional information:

Students must register for the applicable third-semester modules(second year, first semester) and the second-semester, modules must be selected from the normal BSc programme of the student's choice.

Equivelent modules:

- Chemistry extended modules: CMY 133, CMY 143 and CMY 154: Equivelent to BSc module CMY 117
- Molecular and cell biology extended modules: MLB 133, MLB 143 and MLB 153: Equivelent to BSc module MLB 111
- Physics extended modules: PHY 133, PHY 144 and PHY 154: Equivalent to BSc module PHY 131
- Mathematics extended modules: WTW 133, WTW 143 and WTW 154: Equivelent to BSc module WTW 134

Please note: If FRK is selected as an elective, INF 183 has to be taken as well.

Core modules

Biometry 120 (BME 120) - Credits: 16.00
Plants and society 161 (BOT 161) - Credits: 8.00
General chemistry 127 (CMY 127) - Credits: 16.00
Chemistry 154 (CMY 154) - Credits: 8.00
Introductory genetics 161 (GTS 161) - Credits: 8.00
Introduction to microbiology 161 (MBY 161) - Credits: 8.00
Molecular and cell biology 153 (MLB 153) - Credits: 8.00
Physics 154 (PHY 154) - Credits: 8.00
Mathematics 154 (WTW 154) - Credits: 8.00
Animal diversity 161 (ZEN 161) - Credits: 8.00

Elective modules

Introduction: Human anatomy and embryology 121 (ANA 121) - Credits: 4.00
Human osteology 122 (ANA 122) - Credits: 4.00
Basic human histology 126 (ANA 126) - Credits: 4.00
Introduction to the philosophy of medicine 155 (FIL 155) - Credits: 6.00
Financial accounting 111 (FRK 111) - Credits: 10.00
Financial accounting 121 (FRK 121) - Credits: 12.00
Physiology 110 (FSG 110) - Credits: 6.00
Physiology 120 (FSG 120) - Credits: 6.00
Informatics 183 (INF 183) - Credits: 3.00
Psychology 110 (SLK 110) - Credits: 12.00
Psychology 120 (SLK 120) - Credits: 12.00
Basic food preparation 121 (VDS 121) - Credits: 6.00

Regulations and rules

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

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.

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 (HEQF) 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.