

# University of Pretoria Yearbook 2023

## BSc (Biological Sciences) (02133397)

**Department** Natural and Agricultural Sciences Dean's Office

**Minimum duration of study** 3 years

**Total credits** 142

**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.

#### Minimum requirements

##### Achievement level

##### English Home

##### Language or

##### English First

##### Additional

##### Language

NSC/IEB

5

##### Mathematics

NSC/IEB

5

##### Physical Sciences

NSC/IEB

5

##### APS

**32**

**This is a generic first-year programme in Biological Sciences.** Only first-time university entry students who are uncertain about which specialisation degree programme to choose may apply for this programme.

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](#).

### MBChB or BChD selection:

Students who intend to apply for admission to MBChB or BChD in the second semester, when places become available in those programmes, may register for any BSc biological sciences modules in the first semester, replacing Mathematics (WTW 134) with Science and World Views (FIL 155), People and their Environment (MGW 112) and Medical Terminology (MTL 180), with the proviso that should they not be selected and should they wish to continue with one of the biological sciences programmes, they must complete Mathematics (WTW 165) in the second semester of their first year. Students who wish to add these three modules (FIL 155, MGW 112 and MTL

180) are required to have an APS of at least 35 and a minimum of 70% for Mathematics in the final NSC or equivalent qualification. Students should contact the Faculty of Health Sciences for their added criteria.

### **BVSc and BVetNurs selection:**

Students who intend to apply for admission to BVSc may register for BSc (Biological Sciences) modules including Medical Terminology (MTL 180). Applicants enrolled in the extended BSc programmes must complete the first 3 semesters of the BSc – Extended programme with the correct (equivalent) modules to be eligible for selection into the BVSc or BVetNurs programme. Students should contact the Faculty of Veterinary Science for their selection criteria.

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

### **BSc – Extended Programme – Biological and Agricultural Sciences**

#### **Minimum requirements**

#### **Achievement level**

#### **English Home**

#### **Language or**

#### **English First**

#### **Additional**

#### **Language**

NSC/IEB

4

#### **Mathematics**

NSC/IEB

4

#### **Physical Sciences or Accounting APS**

NSC/IEB

4

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\*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.

## **Other programme-specific information**

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

A candidate who:

- does not qualify for STK 110, must enrol for STK 113 and STK 123;
- 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

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 relevant 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 relevant 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.

## 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: 142

Fundamental = 14

Core = 128

## Additional information:

- Students who intend on applying for **MBChB**, or **BChD** selection, have to enrol for FIL 155(6), MGW 112(6) and MTL 180(12) with the understanding that they defer doing WTW 134 in the first semester, however, should they not be selected and want to continue with a BSc programme, WTW 165 must be taken in the second semester of the first year.
- Students intending to apply for the **BVSc** selection have to enrol for MTL 180(12).
- **Please note:** ANA modules can only be taken by **BSc (Medical Science)** students.
- Please note: A student may be permitted to register for up to 80 module credits in the first semester during the first year provided that he or she obtained a final mark of no less than 70% for grade 12 Mathematics and achieved an APS of 34 or more in the NSC.

## 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

[Mathematics 165](#) (WTW 165) - Credits: 16.00

[Animal diversity 161](#) (ZEN 161) - Credits: 8.00

## 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**

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