

# University of Pretoria Yearbook 2019

## BSc Extended programme - Biological and Agricultural Sciences (02130014)

**Minimum duration of study** 4 years

**Total credits** 152

### Admission requirements

Candidates who do not comply with the minimum admission requirements of programmes in the Department of Biological Sciences, may be considered for admission to the BSc - Extended programme for the Biological and Agricultural Sciences. The BSc - Extended programme takes place over a period of four years instead of the normal three years.

#### BSc Extended Programme for the Biological and Agricultural Sciences

##### Minimum requirements

##### Achievement level

##### English Home

##### Language or

##### English First

##### Additional

##### Language

		Mathematics		Physical Science		APS
NSC/IEB	AS Level	NSC/IEB	AS Level	NSC/IEB	AS Level	
4	D	4	D	4	D	<b>24</b>

### Additional requirements

- Students who are admitted to one of the BSc four-year programmes register for one specific programme. Three extended programmes are available:
  - BSc (Four-year programme) - Mathematical Sciences
  - BSc (Four-year programme) - Biological and Agricultural Sciences
  - BSc (Four-year programme) - Physical Sciences
- These programmes are followed by students who, as a result of exceptional circumstances, will benefit from an extended programme.
- 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 (Four-year programme). Generally the BSc (Four-year programme) means that the first study year in Mathematics, Physics, Biology and Chemistry is extended to take two years. After completing the BSc (Four-

- year 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 four-year 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 four-year 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 (Four-year 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 (Four-year programme), with exceptions as indicated in the regulations pertaining to the BSc (Four-year programme). For instance, students placed in the BSc (Four-year programme) must have a National Senior Certificate with admission for degree purposes.
  - g. An admissions committee considers applications for the BSc (Four-year programme) annually. Regarding subject choices, admitted students are individually placed on the BSc (Four-year 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

The Dean may, on the recommendation of the programme manager, approve deviations with regard to the composition of the study programme.

Please note: Where elective modules are not specified, these may be chosen from any modules appearing in the list of modules.

It remains the student's responsibility to ascertain, prior to registration, whether they comply with the prerequisites of the modules they want to register for.

The prerequisites are listed in the alphabetical list of modules.

## Promotion to next study year

### Academic promotion requirements

It is expected of students who register for the first year of the BSc (Four-year programme) to pass all the prescribed modules of the first year.

It is expected of students accepted into the BSc (Four-year programme) to finish a complete corresponding BSc first year within the two years of enrolment in the BSc (Four-year 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.



## Curriculum: Year 1

**Minimum credits: 88**

**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**

**Minimum credits:**

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.

**Equivalent modules:**

Chemistry extended modules: CMY 133, CMY 143 and CMY 154: Equivalent to BSc module CMY 117

Molecular and cell biology extended modules: MLB 133, MLB 143 and MLB 153: Equivalent to BSc module MLB 111

Physics extended modules: PHY 133, PHY 143 and PHY 154: Equivalent to BSc module PHY 131

Mathematics extended modules: WTW 133, WTW 143 and WTW 154: Equivalent to BSc module WTW 134

## Core modules

[Biometry 120](#) (BME 120) - Credits: 16.00

[Plant biology 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

[Biometry 120](#) (BME 120) - Credits: 16.00

[Plant biology 161](#) (BOT 161) - Credits: 8.00

[General chemistry 127](#) (CMY 127) - Credits: 16.00

[Science and world views 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

[Introductory genetics 161](#) (GTS 161) - Credits: 8.00



[Introduction to microbiology 161](#) (MBY 161) - Credits: 8.00

[Psychology 110](#) (SLK 110) - Credits: 12.00

[Psychology 120](#) (SLK 120) - Credits: 12.00

[Basic food preparation 121](#) (VDS 121) - Credits: 6.00

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

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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.