



University of Pretoria Yearbook 2025

BScHons *Bioinformatics* (02240702)

Department Biochemistry, Genetics and Microbiology

Minimum duration of study 1 year

Total credits 135

NQF level 08

Admission requirements

1. Relevant BSc degree
2. A weighted average of at least 60% at final-year level

Note: Additional modules may be required in order to reach the desired level of competency



Curriculum: Final year

Minimum credits: 135

Core credits: 120

Elective credit: 15

Additional information:

Students with degrees in biological sciences should choose BME 780 as an elective. Students from computer science and other related backgrounds should choose BIF 704. Other additional modules may be prescribed for non-degree purposes to address shortcomings in a candidate's undergraduate training.

Core modules

[Bioinformatics theory and applications 701 \(BIF 701\)](#) - Credits: 30.00

[Trends in bioinformatics and literature seminar 702 \(BIF 702\)](#) - Credits: 15.00

[Research project and report 703 \(BIF 703\)](#) - Credits: 60.00

[Molecular and cellular biology 721 \(MLB 721\)](#) - Credits: 15.00

Elective modules

[Introduction to molecular biology for bioinformatics 704 \(BIF 704\)](#) - Credits: 15.00

[Statistics for biological sciences 780 \(BME 780\)](#) - Credits: 15.00

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.