University of Pretoria Yearbook 2024

BScHons (Mathematical Statistics) *Statistics and Data Science* (02240194)

Department	Statistics
Minimum duration of study	1 year
Total credits	135
NQF level	08

Admission requirements

1. Bachelor's degree with Statistics **or** relevant bachelor's degree
2. A weighted average of at least 65% for Statistics at final-year level
3. An admission examination may be required

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

Other programme-specific information

- Details of compilation of curriculum are available from the Head of the Department of Statistics as well as from the departmental postgraduate brochure.
- A candidate must compile his/her curriculum in consultation with the head of department or his/her representative. It is also possible to include postgraduate modules from other departments. Refer to the Departmental website for further information.
- All honours students in Statistics/Mathematical Statistics must enrol for STK 796 which is a compulsory but non-credit-bearing module.
- An external student who does not fully meet the requirements to enter this degree can register, with permission from the head of department and the postgraduate committee for STK 310, 320, 353 and WST 212 in year 1 full-time for non-degree purposes. Provided a 65% average for these is achieved, the student can then complete the BScHons (Statistics) modules in year 2.

Curriculum: Final year

Minimum credits: 135

Core credits: 75
Elective credits: 60 (choose four electives from the list)

A student cannot get credit for either RAL 780 or MET 720 with a WST undergraduate major.

Core modules

Introduction to statistical learning 720 (EKT 720) - Credits: 15.00
Multivariate techniques 720 (MET 720) - Credits: 15.00
Regression analysis 780 (RAL 780) - Credits: 15.00
Research report: Statistics 795 (STK 795) - Credits: 30.00
Research orientation 796 (STK 796) - Credits: 0.00

Elective modules

Text and behavioural analytics 725 (EKT 725) - Credits: 15.00
Sampling techniques 720 (SFT 720) - Credits: 15.00
Statistical process control 780 (SPC 780) - Credits: 15.00
Simulation and computation 710 (STC 710) - Credits: 15.00
Capita selecta: Statistics 720 (STC 720) - Credits: 15.00
Linear mixed models 781 (STK 781) - 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.