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# University of Pretoria Yearbook 2020

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## BScHons Statistics and Data Science (02240193)

**Minimum duration of study** 1 year

**Total credits** 135

**NQF level** 08

### Admission requirements

- A relevant bachelor's degree with Statistics at third-year level is required. A relevant degree must cover compatible content of required degrees at the University of Pretoria. An average mark of 65% or more is required in: statistics at third-year level, or an equivalent statistics module(s) at an accredited institution.
- Students from other accredited institutions must comply with the same requirements based on equivalent modules at their institutions. In addition, students from other accredited institutions must also pass an entrance evaluation.
- Student numbers are limited to a maximum of 40, collectively over all honours programmes in the Department of Statistics.
- Historical performance during prior studies will also be considered in selecting students. Specific attention will be given to modules repeated and duration of study.
- A compulsory language proficiency test must be completed at UP. The postgraduate committee of the department will help with the facilitation of the test through the universities language unit. It may be required, based on the outcome, that a student does additional language courses.
- Applications must include full academic transcripts from undergraduate to current level. SAQA evaluation documentation is required for international applications and on request for students with qualifications from South African institutions.

### 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.



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## Curriculum: Final year

**Minimum credits: 135**

Core credits: 75

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

### 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

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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.