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# University of Pretoria Yearbook 2021

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## BScHons Statistics and Data Science (02240193)

**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.



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## 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

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