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# University of Pretoria Yearbook 2021

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## BScHons Mathematical Statistics (02240192)

**Department** Statistics

**Minimum duration of study** 1 year

**Total credits** 135

**NQF level** 08

### Programme information

#### Renewal of registration

- i. Subject to exceptions approved by the Dean, on the recommendation of the relevant head of department, a student may not sit for an examination for the honours degree more than twice in the same module.
- ii. A student for an honours degree must complete his or her study, in the case of full-time students, within two years and, in the case of after-hours students, within three years of first registering for the degree. Under special circumstances, the Dean, on the recommendation of the relevant head of department, may give approval for a limited extension of this period.

In calculating marks, General Regulation G.12.2 applies.

Apart from the prescribed coursework, a research project is an integral part of the study.

### Admission requirements

1. Bachelor's degree with mathematical statistics **or** relevant bachelor's degree
2. A weighted average of at least 65% for Mathematical 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

### Promotion to next study year

The progress of all honours candidates is monitored biannually by the postgraduate coordinator/head of department. A candidate's study may be terminated if the progress is unsatisfactory or if the candidate is unable to finish his/her studies during the prescribed period.

### Pass with distinction

The BScHons degree is awarded with distinction to a candidate who obtains a weighted average of at least 75% in all the prescribed modules and a minimum of 65% in any one module.



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## Curriculum: Final year

**Minimum credits: 135**

Core credits: 60

Elective credits: 75

### Core modules

[Linear models 710 \(LMO 710\)](#) - Credits: 15.00

[Multivariate analysis 710 \(MVA 710\)](#) - Credits: 15.00

[Research orientation 796 \(STK 796\)](#) - Credits: 0.00

[Research report: Mathematical statistics 795 \(WST 795\)](#) - Credits: 30.00

### Elective modules

[Introduction to statistical learning 720 \(EKT 720\)](#) - Credits: 15.00

[Text and behavioural analytics 725 \(EKT 725\)](#) - Credits: 15.00

[Linear models 720 \(LMO 720\)](#) - Credits: 15.00

[Multivariate analysis 720 \(MVA 720\)](#) - Credits: 15.00

[Parametric stochastic processes 720 \(PNP 720\)](#) - Credits: 15.00

[Sampling techniques 720 \(SFT 720\)](#) - 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

[Distribution-free methods 710 \(VMT 710\)](#) - 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.