University of Pretoria Yearbook 2022

MSc (Advanced Data Analytics) (Coursework) (02250195)

Department	Statistics
Minimum duration of study	1 year
Total credits	180
NQF level	09

Programme 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 representative. Refer to the Departmental website for further information.

Admission requirements

1. BScHons in Mathematical Statistics degree **or** relevant honours degree
2. A weighted average of at least 65% at honours level
3. At least 65% for the research component at honours level, **but** students with a weighted average of at least 70% or more will receive preference
4. 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 master's candidates is monitored biannually by the supervisor and the postgraduate coordinator. 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.

Subject to exceptions approved by the Dean, on recommendation of the relevant head of department, and where applicable, a student may not enter for the master's examination in the same module more than twice.

Curriculum: Final year

Minimum credits: 180

All master's students in Statistics/Mathematical Statistics should enrol for STK 899 which is a compulsory but non-credit-bearing module. The satisfactory completion of this module is a prerequisite for embarking on the research component of the degree programme.

Students should choose any four (4) of the elective modules from the list, to the maximum value of 80 credits.

Fundamental modules

Research orientation 899 (STK 899) - Credits: 0.00

Core modules

Mini-dissertation: Mathematical statistics 895 (WST 895) - Credits: 100.00

Elective modules

Statistical and machine learning 880 (MVA 880) - Credits: 20.00
Capita selecta: Statistics 880 (STK 880) - Credits: 20.00
Analysis of time series 880 (TRA 880) - Credits: 20.00
Data science: analytics and visualisation 880 (TRG 880) - Credits: 20.00
Cyber analytics 802 (WST 802) - Credits: 20.00