



Department of Statistics

Postgrad Programmes

“Make Statistics YOUR future, because Statistics IS the future.”

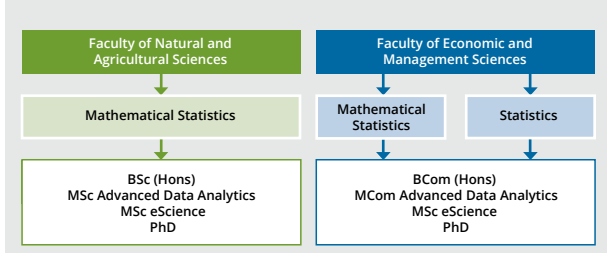
– Prof Andriëtte Bekker
Head of the Department of Statistics



Admission Requirements

Applicants are required to have a bachelor’s degree (NQF level 7 qualification) with specialisation on 3rd year level in either statistics or mathematical statistics, with demonstrable knowledge of basic principles in probability and statistics. Applicants require a minimum average of 65% in their NQF level 7 qualification and their statistics /mathematical statistics major and fulfill any additional institutional application requirements of the University of Pretoria as per the UP Yearbook of the year of application.

Description of the Programme



Honours Programme

The honours programme in Mathematical Statistics/Statistics offers a diverse range of subject choices in addition to a compulsory research project in one of the department’s varied research fields. These one year degrees offer the ideal first step to a unique edge that students bring to industry and academia when they enter the workplace.

Master’s Programme

The master’s programme in Advanced Data Analytics covers coursework and a research component over the course of the two year degree. The programme comprises compulsory and elective modules. Cross-disciplinary data-driven projects are offered both within the University of Pretoria and from a wide range of industry partners. Coursework content is inspired from both an applied and theoretical approach to empower students in their place of work, be it industry or academia.

PhD Programme

The PhD programme in Mathematical Statistics/Statistics is well-suited to the independent and curious academic mind, and consists of independent and novel research captured by thesis. Research is conducted alongside established researchers in the department to prepare a candidate for a career that is research-orientated; be it in academia or with other relevant industry partners (such as the CSIR, MRC, as well as corporate partners).

Make today matter



Achievers in our department



Qualitative Analyst, **Amelia van Schalkwyk** is the SAS Student Ambassador at the 2017 SAS Global Forum Conference in Orlando, USA.



Kevin Yoo is a recipient of the Vice-Chancellor and Principal Award at UP.



Iketle Maharela is the 2015 winner of a Women in Science Award from the Department of Science and Technology.

Statistical Analysis Software (SAS) certification

Undergraduate and honours students in Statistics and Mathematical Statistics can now obtain a SAS certification. SAS is an international statistical software developer (www.sas.com). SAS offers four certificates to students:

- Introduction to statistical learning
- Statistical learning
- Introduction to big data analytics
- Big data analytics

The Statistics Industry HUB in our Department

The HUB brings master's students and industry partners together through exciting study opportunities. Join a vibrant HUB community and experience statistics used to compile life insurance products; statistics used to recommend fashion items online; statistics used to detect fraudulent credit card transactions; and many more. Select one of many research topics, and start building your statistics career while you're a student.

PhD programme with McMaster University in Canada

A brand new joint PhD programme has been pioneered between UP and McMaster University, Canada. This will enable our students to study, work and network with students and staff at McMaster and with other experts in the field of statistics.



Funding

Competitive postgraduate bursaries requiring self-application are made available by stakeholders such as SARChI and Statomet (both situated within the Department of Statistics at UP), independent NRF freestanding scholarships, and the Centre for Artificial Intelligence Research (CAIR). Excellent academic achievement is used as a benchmark for many bursary awards. Priority for bursaries are given to South African Citizens and Permanent Residents.

Applications

Students are advised to apply online.

Apply online:

www.up.ac.za/online-application

For more information

E-mail us at departmentstats@up.ac.za

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