

Change the World

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 Mandela University Statistics



All reasonable steps have been taken to ensure that the information contained in this brochure was accurate at the date of publication. Nelson Mandela University reserves the right to make changes to the programme details (e.g. rules, offering, admissions requirements) as published in this brochure. Prospective students are advised to consult the admission office prior to applying to ensure that the information provided is still valid.



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Faculty of Science
Statistics

The demand for statisticians has increased rapidly over the last two decades. The information age has seen an explosion in the amount of data that is stored by companies.

In the BSc Statistics programme, you will be taught how to understand, summarise and extract value from data. The most common combinations with statistics are applied mathematics, mathematics, computer science or physics. More advanced statistical methods are also required for long-term decision making and planning. These skills are developed at the advanced undergraduate and graduate levels.

Two possible programmes offer a BCom degree with a major in statistics. The BCom degree with Economics is the most common choice for candidates and provides a pathway for graduates to work in the financial field including investment management. The BCom degree with Business Management is useful for candidates who intend following a career in market research, product marketing and survey analysis.

Research areas in the Statistics Department

- Statistical modelling
- Forecasting and financial analysis
- Bayesian analysis
- Sports statistics
- Renewable energy

Possible employers

- StatsSA
- Banking firms
- Investments houses
- Insurance firms
- Government institutions
- Universities
- Market research companies
- Consulting firms



Careers in statistics include

- Data analysis in the banking industry
- Developing forecasting models for business
- Using statistical methods for comparative assessments in the biostatistics/pharmaceutical domain
- Estimating official statistical indicators for government and research institutions
- Analysts in the gaming and sports industry
- Risk modelling in the insurance sector

Admission requirements for BSc

- Admission Points Score of 40.
- Minimum statutory NSC requirements for degree entry must be met.
- English, Afrikaans or isiXhosa (home language or first additional language) on at least level 3 (40-49%).
- NSC achievement rating of at least 5 (60-69%) for Mathematics.

- Applicants with an Admission Points Score between 30 and 39 may be referred to write the Access Assessment Test before a decision is made on whether or not to admit the applicant to the course.

Admission requirements for BCom

- Admission Points Score of 38.
- Minimum statutory NSC requirements for degree entry must be met.
- English, Afrikaans or isiXhosa (home language or first additional language) on at least level 5 (60-69%).
- NSC achievement rating of at least 4 (50-59%) for Mathematics.
- Applicants with an Admission Points Score between 30 and 37 may be referred to write the Access Assessment Test before a decision is made on whether or not to admit the applicant to the course.

