

4.1.14 MCom (Statistics)

Please note: An application has been submitted to externally change the title of this programme to Master of Commerce in Applied Statistics and Data Science, abbreviated as MCom (Applied Statistics and Data Science). This change will be implemented once the amended title has been approved by the Department of Higher Education and Training (DHET) and the Council on Higher Education (CHE), and the change has been registered by the South African Qualifications Authority (SAQA).

Admission requirements

- An honours degree with Statistics as major field of study or Bachelor of Data Science (NQF level 8) with focal area Statistical Learning.

Selection

The number of students selected can be influenced by, for example, staff capacity and the availability of resources within the Department, as well as academic merit and University transformation objectives. As staff capacity and resources can fluctuate from year to year, the number of students selected can also differ from year to year.

If your background in applied statistics and data science is deemed insufficient after a case-by-case determination by the Department of Statistics and Actuarial Science, the Department may require an additional departmental assessment on applied statistics and data science topics. You may also be required to complete additional Stellenbosch University applied statistics and data science modules along with your MCom studies.

Application procedure and closing date

Apply at www.sun.ac.za/pgstudies. For South African applicants, the closing date is **31 October** of the year before your intended studies, and for international applicants, it is **30 September**.

Duration and starting date of programme

Duration: Two years. You must complete the programme within four years. If not, you will have to repeat your modules.

Starting date: One and a half weeks before the other classes at the University begin.

Enquiries

Programme leader: Prof Sugnet Lubbe
 Department of Statistics and Actuarial Science
 Tel: 021 808 3024
 E-mail: slubbe@sun.ac.za
 Website: www.sun.ac.za/statistics

Programme structure

You can choose between two possible options:

- **A Coursework and Assignment option** (Statistics 889), consisting of a compulsory research assignment of 60 credits and elective modules to add up to at least 180 credits;
- **A Coursework and Thesis option** (Statistics 879), consisting of a compulsory thesis of 90 credits and elective modules to add up to at least 180 credits.

Programme content

Programme module

You must earn a total of at least 180 credits for one of the options in this programme.

Code	Module	Credits	Module Name	Semester
19658	889	180	Statistics (Coursework and Assignment option)	Both
19658	879	180	Statistics (Coursework and Thesis option)	Both

The modules for each option are listed below.

Compulsory module for Coursework and Assignment option (889) (60 credits)

Code	Module	Credits	Module Name	Semester
14721	872	60	Research Assignment: Applied Statistics and Data Science	Both

Compulsory module for Coursework and Thesis option (879) (90 credits)

Code	Module	Credits	Module Name	Semester
14722	893	90	Thesis: Applied Statistics and Data Science	Both

Elective modules for both options (889 and 879)

Choose modules to add up to at least 180 credits with the assignment or thesis.

Please note:

Some of the modules listed below may not be offered in a specific year, depending on circumstances in the Department. Modules can also be offered in different semesters from what is listed below. Please contact the Department to find out which modules will be available.

Code	Module	Credits	Module Name	Semester
10523	818	15	Advanced Sampling Techniques	2
10521	821	15	Advanced Statistics A	1
10522	851	15	Advanced Statistics B	2
11913	851	15	Applied Extreme Value Theory	2
10694	811	15	Bootstrap and other Resampling Techniques A	1
10695	841	15	Bootstrap and other Resampling Techniques B	2
18130	822	15	Multi-dimensional Scaling A	1
11910	852	15	Multi-dimensional Scaling B	2

Also please take note of the following prerequisites:

- Bootstrap and other Resampling Techniques A 811(15) is a prerequisite for Bootstrap and other Resampling Techniques B 841(15).
- Multi-dimensional Scaling A 822(15) is a prerequisite for Multi-dimensional Scaling B 852(15).

Postgraduate Programmes

1. General information for all postgraduate programmes

The information in this section applies to most of the postgraduate programmes and is not repeated for each programme, so please read it through carefully. Exceptions and deviations are, however, indicated at the individual programmes.

1.1 Postgraduate programmes in the Faculty

The table below lists the postgraduate programmes up to master's level by the department, school or centre where they are offered. The campus or facility is indicated in italics where necessary. All departments, schools and centres also offer a PhD programme. For more on the PhD, see the doctoral section at the end of this chapter.

Africa Centre for HIV/Aids Management
PGDip (HIV/Aids Management)
MPhil (HIV/Aids Management)
Centre for Sustainability Transitions (CST)
PGDip (Sustainable Development)
MPhil (Sustainable Development)
Department of Business Management
PGDip (Marketing)
BComHons (Business Management)
MCom (Business Management)
Department of Economics
BComHons (Economics)
BComHons (Economics and Mathematical Statistics) [with the Department of Statistics and Actuarial Science]
MCom (Economics)
Department of Industrial Psychology
PGDip (Strategic Human Resource Management)
BComHons (Human Resource Management)
BComHons (Industrial Psychology)
MCom (Human Resource Management)
MCom (Industrial Psychology)
Department of Logistics
PGDip (Transport and Logistics)
BComHons (Logistics Management)
BComHons (Operations Research)
BComHons (Transport Economics)
MCom (Logistics Management)
MCom (Operations Research)
MCom (Transport Economics)
Department of Statistics and Actuarial Science
PGDip (Actuarial Science)
BComHons (Actuarial Science)
BComHons (Economics and Mathematical Statistics) [with the Department of Economics]
BComHons (Financial Risk Management)
BComHons (Mathematical Statistics)
BComHons (Statistics)
MCom (Actuarial Science)
MCom (Financial Risk Management)
MCom (Mathematical Statistics)
MCom (Statistics)

School of Accountancy
PGDip (Accounting)
BComHons (Management Accounting)
BAccHons
MCom (Computer Auditing)
MCom (Financial Accounting)
MCom (Management Accounting)
MCom (Taxation)
MAcc (Auditing)
MAcc (Financial Accounting)
MAcc (Taxation)
School of Public Leadership (SPL), <i>Bellville Park</i>
PGDip (Environmental Management) <i>Stellenbosch</i>
PGDip (Public Finance Management)
BComHons (Public and Development Management)
BPubAdminHons
MCom (Public and Development Management)
M (Public Administration)
MPhil (Environmental Management) <i>Stellenbosch</i>
Stellenbosch Business School, <i>Bellville Park</i>
PGDip (Business Management and Administration)
PGDip (Development Finance)
PGDip (Financial Planning)
PGDip (Futures Studies)
PGDip (Leadership Development)
PGDip (Project Management)
MPhil (Development Finance)
MPhil (Futures Studies)
MPhil (Management Coaching)
MBA

1.2 Undergraduate module requirements for postgraduate programmes

In Appendix C to this Yearbook part, you will find a table showing the minimum module requirements for admission to certain postgraduate programmes. Review this table to determine whether you meet the requirements for the postgraduate programme you wish to follow.

1.3 Selection

Every postgraduate programme in the Faculty is potentially a selection programme since the capacity of the relevant department determines the number of students that can be accommodated in each programme. This means that selection happens when more candidates apply than the department can accommodate in a specific programme. There are, however, also programmes where selection always happens, regardless of how many candidates apply. Departments may choose to list specific requirements and criteria at the relevant programme entries below or on their website or in the programme brochure.

1.4 Postgraduate assessment and examination

- Assessment is determined at modular level; therefore, consult the relevant module framework for more information.
- For the Faculty postgraduate assessment rules, you can consult the Faculty website at www.sun.ac.za/ems and look under "Current students" and then "General information" to find the link "EMS Postgraduate Assessment Rules".
- For more information and the general rules on assessment, see Part 1 (General Rules) of the Yearbook, under "Assessments and Promotions".

- For the general specifications for assignments, theses, and dissertations, consult the section "Postgraduate Qualifications" in Part 1 (General Rules) of the Yearbook.
- For specific information relating to the assignment, thesis or dissertation for an individual programme, consult the programme administrator or leader or relevant programme documentation.

1.5 Pass requirements for postgraduate programmes

The pass mark for postgraduate programmes is 50% and to pass with distinction you need 75%. More detailed information on pass requirements for individual programmes is available from the relevant programme administrator or leader.

1.6 Different campuses and facilities

Some postgraduate programmes are presented by the Stellenbosch Business School or the School for Public Leadership, both of which are on the Bellville Park campus of the University. The School of Public Leadership also presents classes at the Sustainability Institute at Lynedoch. The place where a particular diploma programme will be presented, if not Stellenbosch campus, is indicated below for each individual Programme under "Programme structure".

Disclaimer:

The content above comes from the 2024 Economic and Management Sciences Yearbook. Make sure to consult the full **Economic and Management Sciences Yearbook** to see this extract in context and to check if there have been any changes. Take special note of additional information in the yearbook under section **1. General information for all postgraduate programmes.**