

3.1.10 BComHons (Mathematical Statistics)

Admission requirements

- A bachelor's degree with a combined average mark of at least 65% for the third-year modules in Mathematical Statistics.

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 the Mathematical Statistics background of the applicant 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 third-year level Mathematical Statistics topics. Students may also be required to complete additional undergraduate Stellenbosch University Mathematical Statistics modules along with their honours 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, offering type and starting date of programme

Duration: One year, full-time. You must complete the programme within three 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.

Programme's mode of delivery

Fully contact (face-to-face).

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 content

Programme module

You must earn a total of at least 120 credits for this programme.

Code	Module	Credits	Module Name	Semester
22853	778	120	Mathematical Statistics	Both

Please note:

- Some of the modules listed below may not be offered in a specific year and some modules may also be offered in different semesters from the ones listed below, depending on circumstances in the Department. Please contact the Department to find out which modules will be available.
- The research assignment is compulsory. You must complete it under supervision and submit it for examination.
- You can ask for permission to take a maximum of 12 credits from suitable postgraduate modules in other programmes.

Programme structure

The coursework component consists of four modules each from mathematical statistics and economics and a further two modules that may come from any of the two departments. The research component is a compulsory assignment consisting of a statistical application in a field of economics. Both departments supervise the assignment.

This programme requires full-time class attendance.

Programme content

Programme module

You must earn a total of at least 164 credits for this programme.

Code	Module	Credits	Module Name	Semester
56928	779	164	Economics and Mathematical Statistics	Both

You must complete modules to a minimum of 54 credits from Economics and 48 credits from Mathematical Statistics. For a further 20 credits, you must choose two modules from Economics and/or Mathematical Statistics. The assignment counts 42 credits. See the programme outline below.

Please note:

- You must complete the first semester of a year module to be allowed to do the second semester.
- The semester in which the modules are presented may change at short notice from year to year.

Compulsory modules (98 or 110 credits)

Note that you can choose between some modules.

Code	Module	Credits	Module Name	Semester
10430	871	20	Econometrics	1
10595	771	12	Macroeconomics	2
10605	771	12	Microeconomics	1
10602	715	12	Multivariate Statistical Analysis A* <i>and</i>	1
10603	745	12	Multivariate Statistical Analysis B* <i>or</i>	2
65250	718	12	Stochastic Simulation	1
11217	772	42	Research Assignment: Economics and Mathematical Statistics**	Both

* Multivariate Statistical Analysis A 715(12) is a prerequisite for Multivariate Statistical Analysis B 745(12).

** The research assignment involves a statistical application on economic data.

Elective modules in Economics

- Choose at least 10 credits and at most 40 credits.
- Not all the modules are necessarily offered every year.
- Note that all the modules marked with an asterisk (*) are normally offered only every second year. You must contact the Department of Economics to find out which modules will be presented in a specific year.
- Please note that only ten (10) students from all Honours programmes in the Department of Economics will be admitted to Behavioural Economics 771 (marked with ‡). Students in this programme will be selected based on their marks for Microeconomics 771.

Code	Module	Credits	Module Name	Semester
10742	771	10	Applied Macroeconomics I	1 or 2
10743	772	10	Applied Macroeconomics II	1 or 2
10745	771	10	Applied Microeconomics I	1 or 2
10746	771	10	Applied Microeconomics II	1 or 2
14377	771	10	Behavioural Economics‡	2
10635	771	10	Development Economics	1
10436	771	10	Economic History	1
14379	771	10	Economics of Discrimination*	1
10432	771	10	Economics of Education I	2
10434	771	10	Economics of Technological Change*	2
59617	771	10	Environmental Economics*	1

Code	Module	Credits	Module Name	Semester
12228	771	10	Financial Economics	2
13469	771	10	Health Economics*	2
11263	771	10	Industrial Organisation	2
64041	771	10	Institutional Economics*	1
10554	771	10	International Finance	2
10555	771	10	International Trade Theory and Policy	1
51861	771	10	Labour Economics*	2
64033	771	10	Monetary Economics	2
11143	771	10	Public Economics	1

Elective modules in Mathematical Statistics

- If you take compulsory modules 715 and 745 (Multivariate Statistical Analysis A and B) above, you must choose at least 24 credits and at most 48 credits.
- If you take compulsory module 718 (Stochastic Simulation) above, you must choose at least 36 credits and at most 60 credits.

Code	Module	Credits	Module Name	Semester
10408	712	12	Biostatistics	1
10636	746	12	Survival Analysis	2
13360	771	12	Statistical Learning Theory	2
10751	747	12	Time Series Analysis	2

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.**