

## 3.1.4 BComHons (Economics and Mathematical Statistics)

### Interdepartmental collaboration

The Department of Statistics and Actuarial Science and the Department of Economics jointly offer this programme.

### Admission requirements

- Students must be accepted for honours studies in both the Department of Economics and the Department of Statistics and Actuarial Science, with the following requirements for each:
  - Department of Economics: at least 65% average for a final year major in Economics (equivalent to content and focus of Stellenbosch University's Economics 318 and 348 modules),
  - Department of Statistics and Actuarial Science: at least 65% average for a final year major in Mathematical Statistics (equivalent to content and focus of Stellenbosch University's Mathematical Statistics 312, 316, 344 and 364 modules);
- Grade 12 Mathematics at least 70%.

### Selection

The number of students selected will be influenced by, among other things, staff capacity and the availability of resources within the departments, as well as academic merit and University transformation objectives (within the Department of Economics and the Department of Statistics and Actuarial Science). As staff capacity and resources may fluctuate from year to year, the number of students selected can also differ from year to year.

If the Economics and Mathematical Statistics background of the applicant is deemed insufficient after a case-by-case determination by the Department of Economics and the Department of Statistics and Actuarial Science, the departments may require an additional departmental assessment on third year level Economics and Mathematical Statistics topics. Students may also be required to complete additional undergraduate Stellenbosch University Economics and Mathematical Statistics modules along with their honours studies.

- Application procedure and closing date

Apply at [www.sun.ac.za/pgstudies](http://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 you do not, you will have to repeat the compulsory modules.

**Starting date:** Early January.

### Programme's mode of delivery

Full-contact learning (face-to-face).

### Enquiries and programme leader

#### Enquiries

*Please direct your queries to:*

Ms Carina Smit

Programme administrator

Department of Economics

Tel: 021 808 2898

E-mail: [carina@sun.ac.za](mailto:carina@sun.ac.za)

Website: [www.ekon.sun.ac.za](http://www.ekon.sun.ac.za)

#### Programme leader

Prof Dieter von Fintel

Department of Economics

### 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

You must earn a total of at least 148 credits for this programme.

You must complete modules to a minimum of 54 credits from Economics and 48 credits from Mathematical Statistics. For a further minimum of 16 credits, you must choose at least 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 118 credits) and possible module combinations

From the compulsory modules in the table below, you can choose either Stochastic Simulation or Multivariate Statistical Analysis A and B. Six possible module combinations that take all the compulsory and elective options into account are presented. You can opt to do any one of the six combinations. Below this table, you will find the full list of electives.

Six possible module combinations and their credit loads									
Code	Module	Module Name	Semester	Credit load for each possible module combination					
				1	2	3	4	5	6
10430	871	Econometrics	1	20	20	20	20	20	20
10595	771	Macroeconomics	2	12	12	12	12	12	12
10605	771	Microeconomics	1	12	12	12	12	12	12
10602	715	Multivariate Statistical Analysis A*	1	16	16	16			
10603	745	Multivariate Statistical Analysis B*	2	16	16	16			
65250	718	Stochastic Simulation	1				12	12	12
11217	772	Research Assignment: Economics and Mathematical Statistics**	Both	42	42	42	42	42	42
Total credits for compulsory modules				118	118	118	98	98	98
Electives in Economics#				30	20	10	30	20	10
Electives in Mathematical Statistics##				12	24	24	24	40	40
Total credits for elective modules				42	44	34	54	60	50
<b>Total credits for the programme</b>				<b>160</b>	<b>162</b>	<b>152</b>	<b>152</b>	<b>158</b>	<b>148</b>

\* Multivariate Statistical Analysis A 715(16) is a prerequisite for Multivariate Statistical Analysis B 745(16).

\*\* The research assignment is co-supervised in both the Department of Economics and the Department of Statistics and Actuarial Science and involves a statistical application on economic data.

# One to three modules at 10 credits per module from the electives list below

## One to three modules at 12/16 credits per module from the electives list below

### Elective modules in Economics

- Choose at least 10 credits and at most 30 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

Code	Module	Credits	Module Name	Semester
10635	771	10	Development Economics	1
10436	771	10	Economic History	1
14933	712	10	Economics of Exclusion*	1
10432	771	10	Economics of Education I	2
10434	771	10	Economics of Technological Change*	2
59617	771	10	Environmental Economics*	1
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	2
51861	771	10	Labour Economics*	2
64033	771	10	Monetary Economics	2
11143	771	10	Public Economics	1

*Please note:*

If you failed the module Economics of Discrimination 771 in 2024 or before, you must register for Economics of Exclusion 712. Either Economics of Discrimination 771 or Economics of Exclusion 712 will count for graduation purposes.

## 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 12 credits and at most 32 credits.
- If you take compulsory module 718 (Stochastic Simulation) above, you must choose at least 24 credits and at most 44 credits.

Code	Module	Credits	Module Name	Semester
10408	712	16	Biostatistics	1
10636	746	16	Survival Analysis	2
13360	771	12	Statistical Learning Theory	1
10751	747	12	Time Series Analysis	1

# 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.

<b>Africa Centre for Inclusive Health Management</b>
PGDip (HIV/Aids Management)
MPhil (HIV/Aids Management)
<b>Centre for Sustainability Transitions (CST)</b>
PGDip (Sustainable Development)
MPhil (Sustainable Development)
<b>Department of Business Management</b>
PGDip (Marketing)
BComHons (Business Management)
MCom (Business Management)
<b>Department of Economics</b>
BComHons (Economics)
BComHons (Economics and Mathematical Statistics) [with the Department of Statistics and Actuarial Science]
MCom (Economics)
<b>Department of Industrial Psychology</b>
PGDip (Strategic Human Resource Management)
BComHons (Human Resource Management)
BComHons (Industrial Psychology)
MCom (Human Resource Management)
MCom (Industrial Psychology)
<b>Department of Logistics</b>
PGDip (Transport and Logistics)
BComHons (Logistics Management)
BComHons (Operations Research)
BComHons (Transport Economics)
MCom (Logistics Management)
MCom (Operations Research)
MCom (Transport Economics)
<b>Department of Statistics and Actuarial Science</b>
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 D 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](http://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 2025 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 ***2. General provisions for postgraduate programmes.***