



Stellenbosch
UNIVERSITY
IYUNIVESITHI
UNIVERSITEIT

2023

Economic and Management Sciences

Academic programmes
and faculty information

Calendar, Part 10

Accuracy, liability and changes

- Stellenbosch University has taken reasonable care to ensure that the information provided in the Calendar parts is as accurate and complete as possible.
- Take note, however, that the University's Council and Senate accept no liability for any incorrect information in the Calendar parts.
- The University reserves the right to change information in the Calendar parts at any time if necessary.

The division of the Calendar

- The Calendar is divided into 13 parts.
- Parts 1, 2 and 3 of the Calendar contain general information applicable to all students. Make sure that you understand all provisions in Part 1 (General) of the Calendar that are applicable to you.
- Parts 4 to 13 of the Calendar are the Faculty Calendar parts.

Part	Calendar
Part 1	General
Part 2	Bursaries and Loans
Part 3	Student Fees
Part 4	Arts and Social Sciences
Part 5	Science
Part 6	Education
Part 7	AgriSciences
Part 8	Law
Part 9	Theology
Part 10	Economic and Management Sciences
Part 11	Engineering
Part 12	Medicine and Health Sciences
Part 13	Military Science

Availability of the Calendar parts

- The electronic versions of the Calendar parts are available at www.sun.ac.za/Calendar.
- Parts 1 to 12 are available in both English and Afrikaans. Military Science (Part 13) is only available in English.

Table of Contents

How to use this Calendar Part	1
1.1 Prospective undergraduate students.....	1
1.2 Prospective postgraduate students.....	1
1.3 Registered undergraduate students.....	2
1.4 Registered postgraduate students.....	2
General Information	3
1. The Faculty of Economic and Management Sciences	3
1.1 Structure of the Faculty	3
1.2 Degree programmes of the Faculty	3
1.3 Diploma programmes of the Faculty.....	4
2. How to communicate with the Faculty.....	4
2.1 Important contact details of the Faculty	4
2.2 Faculty webpages.....	7
3. How to communicate with the University	7
3.1 Prospective students.....	7
3.2 Current or former Stellenbosch University students	7
3.3 Contact details for enquiries about your studies, bursaries and loans, and residence placements	7
4. Language at the University	7
5. Recognition of prior learning (RPL) and credit accumulation and transfer (CAT)	7
Undergraduate Programmes	9
1. General information for all undergraduate programmes.....	9
1.1 Summary of undergraduate programmes and their credit loads	9
1.2 Summary of the admission and selection requirements for undergraduate programmes in 2023	10
1.3 How selection, admission and registration work.....	14
1.3.1 The principles for selection and admission.....	14
1.3.2 The selection mark.....	15
1.3.3 Immediate provisional acceptance and waiting list	17
1.3.4 Applying with marks other than your Grade 11 final marks.....	18
1.4 Application procedure and closing date	18
1.5 Choosing the right modules for your degree programme and e-registration.....	18
1.5.1 Registering for focal areas and other module combinations.....	18
1.5.2 Timetable clashes	18
1.6 Extra subjects	18
1.7 Undergraduate assessment	19
1.7.1 Assessment rules.....	19
1.7.2 Requirements for passing a major subject.....	19
1.8 Faculty of Economic and Management Sciences Seasonal Schools	19
1.9 Dean's Concession Assessments (DCAs)	20
1.10 Minimum academic credits (HEMIS credits) required for continuing your studies.....	20
1.11 Registration for non-degree purposes at another university	21
1.12 Enquiries about undergraduate programmes	21

2. Undergraduate Diploma Programmes	22
2.1 Diploma in Public Accountability	22
2.2 Diploma in Sustainable Development.....	23
3. Advanced Diploma Programmes	27
3.1 Advanced Diploma in Public Accountability.....	27
3.2 Advanced Diploma in Sustainable Development	28
4. Broad degree programmes	30
4.1 BCom programme	30
4.2 BCom (Management Sciences) programme	30
4.2.1 BCom (Management Sciences): General.....	30
4.2.2 Focal areas in the BCom (Management Sciences) programme	34
4.2.2.1 Agricultural Economics.....	34
4.2.2.2 Business Analytics.....	35
4.2.2.3 Entrepreneurship and Innovation Management.....	36
4.2.2.4 Financial Management.....	37
4.2.2.5 Financial Planning.....	38
4.2.2.6 Human Resource Management.....	39
4.2.2.7 Information Systems Management.....	40
4.2.2.8 Investment Management.....	41
4.2.2.9 Logistics and Supply Chain Management.....	42
4.2.2.10 Marketing Management.....	43
4.2.2.11 Public and Development Management	44
4.3 BCom (Economic Sciences) programme	45
4.3.1 BCom (Economic Sciences): General.....	45
4.3.2 Focal areas in the BCom (Economic Sciences) programme.....	48
4.3.2.1 Econometrics.....	48
4.3.2.2 Economic and Management Consultation.....	49
4.3.2.3 Financial Sector	50
4.3.2.4 Transport Economics	51
4.4 BCom (Mathematical Sciences) programme	52
4.4.1 BCom (Mathematical Sciences): General.....	52
4.4.2 Focal areas in the BCom (Mathematical Sciences) programme	55
4.4.2.1 Data Science	55
4.4.2.2 Financial Risk Management.....	55
4.4.2.3 Operations Research.....	56
4.5 BCom (International Business)	57
4.6 BDatSci	60
4.6.1 BDatSci	60
4.6.2 Focal areas in the BDatSci programme	62
4.6.2.1 Analytics and Optimisation	62
4.6.2.2 Behavioural Economics.....	63
4.6.2.3 Statistical Learning.....	64
5. Professional degree programmes	65
5.1 BCom (Actuarial Science).....	65
5.2 BCom (Financial Accounting).....	66
5.3 BCom (Industrial Psychology).....	68
5.4 BCom (Management Accounting).....	70
5.5 BAcc.....	72
6. Degree programmes that include studies in Law	74
6.1 BCom (Law) (<i>from 2022</i>).....	74
6.2 BCom (Law) (<i>before 2022</i>).....	75
6.3 BAccLLB (<i>from 2022</i>).....	77
6.4 BAccLLB (<i>before 2022</i>)	80

7. BCom (Management Sciences) Extended Degree Programme (EDP) (four years).....	83
--	-----------

Postgraduate Programmes 86

1. General information for all postgraduate programmes.....	86
1.1 Postgraduate programmes in the Faculty.....	86
1.2 Undergraduate module requirements for postgraduate programmes.....	87
1.3 Selection.....	87
1.4 Postgraduate assessment and examination.....	88
1.5 Pass requirements for postgraduate programmes.....	88
1.6 Different campuses and facilities.....	88
2. Postgraduate diploma programmes.....	88
2.1 Postgraduate Diploma in Accounting.....	88
2.2 Postgraduate Diploma in Actuarial Science.....	90
2.3 Postgraduate Diploma in Business Management and Administration.....	92
2.4 Postgraduate Diploma in Development Finance.....	93
2.5 Postgraduate Diploma in Environmental Management.....	95
2.6 Postgraduate Diploma in Financial Planning.....	96
2.7 Postgraduate Diploma in Futures Studies.....	98
2.7.1 Futures Studies: General.....	98
2.7.2 Focal area: Managing New Technologies.....	99
2.8 Postgraduate Diploma in HIV/AIDS Management.....	100
2.9 Postgraduate Diploma in Leadership Development.....	101
2.9.1 Focal area: Leadership Development in Non-profit Organisations (NPOs).....	102
2.10 Postgraduate Diploma in Marketing.....	102
2.11 Postgraduate Diploma in Public Finance Management.....	104
2.12 Postgraduate Diploma in Project Management.....	105
2.13 Postgraduate Diploma in Strategic Human Resource Management.....	106
2.14 Postgraduate Diploma in Sustainable Development.....	108
2.15 Postgraduate Diploma in Transport and Logistics.....	110
3. Honours programmes.....	112
3.1 BComHons.....	112
3.1.1 BComHons (Actuarial Science).....	112
3.1.2 BComHons (Business Management).....	113
3.1.2.1 BComHons (Business Management): Specialisation in Financial Analysis.....	116
3.1.2.2 BComHons (Business Management): Specialisation in Financial Management.....	117
3.1.2.3 BComHons (Business Management): Specialisation in Marketing Management.....	118
3.1.2.4 BComHons (Business Management): Specialisation in Strategy and Innovation.....	119
3.1.3 BComHons (Economics).....	120
3.1.3.1 Focal area: Financial Economics.....	122
3.1.4 BComHons (Economics and Mathematical Statistics).....	123
3.1.5 BComHons (Financial Risk Management).....	125
3.1.6 BComHons (Human Resource Management).....	126
3.1.7 BComHons (Industrial Psychology).....	128
3.1.8 BComHons (Logistics Management).....	130
3.1.9 BComHons (Management Accounting).....	131
3.1.10 BComHons (Mathematical Statistics).....	133
3.1.10.1 BComHons (Mathematical Statistics): Focus on Data Science.....	134
3.1.11 BComHons (Operations Research).....	135
3.1.12 BComHons (Public and Development Management).....	137
3.1.13 BComHons (Statistics).....	138
3.1.14 BComHons (Transport Economics).....	139

3.2 BPubAdminHons	141
3.3 BAccHons	143
4. Master's programmes	145
4.1 MCom	145
4.1.1 MCom (Actuarial Science)	145
4.1.2 MCom (Business Management)	147
4.1.3 MCom (Computer Auditing)	148
4.1.4 MCom (Economics)	149
4.1.5 MCom (Financial Accounting)	152
4.1.6 MCom (Financial Risk Management)	153
4.1.7 MCom (Human Resource Management)	155
4.1.8 MCom (Industrial Psychology)	156
4.1.9 MCom (Logistics Management)	157
4.1.10 MCom (Management Accounting)	159
4.1.11 MCom (Mathematical Statistics)	160
4.1.12 MCom (Operations Research)	162
4.1.13 MCom (Public and Development Management)	163
4.1.14 MCom (Quantitative Management)	165
4.1.15 MCom (Statistics)	166
4.1.16 MCom (Taxation)	168
4.1.17 MCom (Transport Economics)	170
4.2 M (Public Administration)	172
4.3 MAcc	174
4.3.1 MAcc (Auditing)	174
4.3.2 MAcc (Financial Accounting)	175
4.3.3 MAcc (Taxation)	176
4.4 MPhil	179
4.4.1 MPhil (Development Finance)	179
4.4.2 MPhil (Environmental Management)	181
4.4.3 MPhil (Futures Studies)	182
4.4.4 MPhil (HIV/AIDS Management)	183
4.4.5 MPhil (Leadership Coaching)	184
4.4.6 MPhil (Sustainable Development)	185
4.5 Master of Business Management and Administration (MBA)	188
4.5.1 Business Management and Administration: General	190
4.5.2 Focal areas in the MBA programme	190
4.5.2.1 Focal area: Health Care Leadership	190
4.5.2.2 Focal area: Managing International Organisations	190
4.5.2.3 Focal area: Project Management	191
5. Doctoral programmes	192
5.1 Graduate School of Economic and Management Sciences (GEM)	192
5.2 PhD programmes	192
5.3 Transdisciplinary doctoral programme focusing on complexity and sustainability studies	194

Subjects, Modules and Module Contents..... 195

1. Definitions and explanations of important terms	195
2. Prerequisite pass, prerequisite and corequisite modules	196
3. Undergraduate subjects, modules and module contents	196
Department of African Languages (Faculty of Arts and Social Sciences)	196
Department of Afrikaans and Dutch (Faculty of Arts and Social Sciences)	198
Department of Agricultural Economics (Faculty of AgriSciences)	198
Department of Ancient Studies (Faculty of Arts and Social Sciences)	199

Department of Business Management.....	199
Department of Economics.....	205
Department of Department of English (Faculty of Arts and Social Sciences)	208
Geography and Environmental Studies (Faculty of Arts and Social Sciences)	208
Department of Industrial Psychology.....	209
Department of Information Science (Faculty of Arts and Social Sciences)	212
Department of Logistics	213
Department of Mathematical Sciences (Mathematics, Applied Mathematics, Computer Science) (Faculty of Science).....	218
Department of Mercantile Law (Faculty of Law).....	222
Department of Modern Foreign Languages (Faculty of Arts and Social Sciences).....	223
Department of Philosophy (Faculty of Arts and Social Sciences)	224
Department of Political Science (Faculty of Arts and Social Sciences)	225
Department of Private Law (Faculty of Law)	226
Department of Psychology (Faculty of Arts and Social Sciences).....	226
Department of Public Law (Faculty of Law).....	227
Department of Sociology and Social Anthropology (Faculty of Arts and Social Sciences) ..	227
Department of Statistics and Actuarial Science	228
School of Accountancy	238
School of Public Leadership.....	243
SU Language Centre.....	255
Faculty of Economic and Management Sciences.....	255
Research and Service Bodies.....	257
1. Africa Centre for HIV/AIDS Management	257
2. African Centre for Development Finance (ACDF)	257
3. Anti-Corruption Centre for Education and Research of Stellenbosch University (ACCERUS).....	257
4. Bureau for Economic Research (BER).....	257
5. Centre for Competition Law and Economics.....	257
6. Centre on Conflict and Collaboration	258
7. Centre for Corporate Governance	258
8. Centre for Local Governance (CLG).....	258
9. Centre for Multi-dimensional Data Visualisation (MuViSU)	258
10. Centre for Responsible Leadership Studies (Africa)	258
11. Centre for Statistical Consultation	259
12. Centre for Sustainability Transitions (CST)	259
13. Institute for Futures Research (IFR)	259
Appendix A.....	260
Undergraduate prerequisite, corequisite and prerequisite pass modules	260
Appendix B.....	268
Undergraduate module requirements for postgraduate programmes.....	268
Alphabetical List of Undergraduate Subjects.....	271

How to use this Calendar Part

This section gives you guidelines for finding particular information in the different chapters in this part of the University Calendar. Consult the table of contents for the page numbers of the chapters referred to below.

1. Where to find information

1.1 Prospective undergraduate students

- The General Information chapter contains information about:
 - The structure of the Faculty with its various departments, schools and centres;
 - The degree and diploma programmes offered in the Faculty;
 - Communication with the Faculty and the University, which includes an explanation of the concepts “application number” and “student number” as well as relevant contact details where you can refer important enquiries to;
 - Language at the University; and
 - The recognition of prior learning and where you can find out more about it.
- The Undergraduate Programmes chapter contains information about:
 - The selection procedure and provisional acceptance, choosing the correct modules for your programme, and other general matters that apply to all the undergraduate programmes;
 - The undergraduate study programmes available in the Faculty;
 - The minimum admission requirements for the various study programmes; and
 - The subjects and modules that must be taken per academic year for the different study programmes, with choices where applicable.
- The Subjects, Modules and Module Contents chapter contains:
 - An explanation of subject and module names and codes;
 - Definitions of prerequisite pass, prerequisite and corequisite modules; and
 - A description of each of the undergraduate modules offered by the Faculty.
- An alphabetical list of undergraduate subjects is available in the back of this Calendar Part.
- Two appendices list the prerequisites for undergraduate modules and postgraduate programmes that you may wish to follow later.

1.2 Prospective postgraduate students

- The General Information chapter contains information about:
 - The structure of the Faculty with its various departments, schools and centres;
 - Communication with the Faculty and the University, which includes an explanation of the concepts “application number” and “student number” as well as relevant contact details where you can refer important enquiries to;
 - Language at the University; and
 - The recognition of prior learning and where you can find out more about it.
- The Postgraduate Programmes chapter contains information about:
 - General matters that apply to all postgraduate programmes and where to find out more;
 - The postgraduate study programmes available in the Faculty;
 - The minimum admission requirements for the various study programmes;
 - Specific information for individual programmes;
 - Each programme's home department and contact details; and
 - The subjects and modules that must be taken for the different study programmes, with choices where applicable.
- An appendix lists the prerequisite undergraduate modules for postgraduate programmes.

1.3 Registered undergraduate students

- The General Information chapter contains information about:
 - Communication with the Faculty and the University with relevant contact details where you can refer important enquiries to;
 - Language at the University.
- The Undergraduate Programmes chapter contains information about:
 - Assessment and requirements for passing a major subject, as well as the minimum academic credits you need each year to continue your studies;
 - Requirements for final-year students regarding Dean's Concession Assessments and registering at another university for a single outstanding module;
 - The Faculty's undergraduate study programmes and their credit loads; and
 - The subjects and modules that must be taken per academic year for the different study programmes, with choices where applicable.
- The Subjects, Modules and Module Contents chapter contains:
 - An explanation of subject and module names and codes;
 - The abbreviations and definitions used for the teaching loads of individual modules;
 - An indication at each module of what its teaching load is;
 - Definitions of prerequisite pass, prerequisite and corequisite modules, as well as an indication at each module which of the requisites apply to it, if any.
- An alphabetical list of undergraduate subjects is available in the back of this Calendar Part.
- Two appendices list the prerequisites for undergraduate modules and postgraduate programmes that you may wish to follow later.

1.4 Registered postgraduate students

- The Postgraduate Programmes chapter contains information about:
 - General matters that apply to all postgraduate programmes and where to find out more;
 - The postgraduate study programmes available in the Faculty;
 - The subjects and modules that must be taken for the different study programmes, with choices where applicable; and
 - The Graduate School of Economic and Management Sciences (GEM).

General Information

1. The Faculty of Economic and Management Sciences

Since its establishment in 1925, the Faculty of Economic and Management Sciences (EMS) has grown from a mere 15 students to more than 8 500 today, making it the largest of the ten faculties at Stellenbosch University. The Faculty encourages the development of prominent business leaders and entrepreneurs by producing quality graduates that are well equipped to serve the business community.

1.1 Structure of the Faculty

The Faculty's five academic departments, three schools and two centres are responsible for teaching and research. Eleven research centres and an institute further expand this offering. The departments, schools and centres in the Faculty are:

- Africa Centre for HIV/AIDS Management
- Centre for Sustainability Transitions
- Department of Business Management,
- Department of Economics,
- Department of Industrial Psychology,
- Department of Logistics,
- Department of Statistics and Actuarial Science,
- School of Accountancy,
- School of Public Leadership (SPL),
- Stellenbosch Business School.

The academic programmes described in this part of the University Calendar are offered by the departments, schools and centres listed above. Several interdisciplinary programmes run across departments, schools and centres and there are even programmes that are offered in collaboration with other faculties in the University. For this reason, each academic programme is assigned a home department. At the beginning of each of the two chapters describing the undergraduate and postgraduate programmes in the Faculty, you will find a table listing all the programmes and their home departments.

All the departments, as well as the School of Accountancy, are housed at the Stellenbosch campus. The SPL and Stellenbosch Business School are both located in Bellville. Furthermore, some of the programmes offered by the SPL are offered at the Stellenbosch campus and the Sustainability Institute in Lynedoch, outside Stellenbosch. See the programme chapters for specifics.

1.2 Degree programmes of the Faculty

The table below gives a broad outline of the degree programmes offered in the Faculty, showing how degrees follow on each other. See the chapter on postgraduate programmes for the specific fields of specialisation at the various postgraduate levels.

B degrees	BHons degrees	M degrees	D degrees
Bcom	BcomHons	MCom	PhD
BCom (Management Sciences)	BcomHons	MCom	PhD
BCom (Economic Sciences)	BcomHons	MCom	PhD
BCom (Mathematical Sciences)	BcomHons	MCom	PhD
BCom (Actuarial Science)	BComHons	MCom	PhD
BAcc	BAccHons	MAcc	PhD
BCom (Financial Accounting)	BComHons*	MCom	PhD
BCom (Management Accounting)	BComHons	MCom	PhD
BCom (Industrial Psychology)	BComHons	MCom	PhD
BCom (International Business)	BComHons	MCom	PhD
BCom (Law)	BComHons	MCom	PhD
BAccLLB	BAccHons	LLM or MAcc	LLD or PhD
BDatSci		MPhil	PhD
		MBA	PhD
	BPubAdminHons	MPA	PhD

* This programme is not currently offered.

1.3 Diploma programmes of the Faculty

- Diploma in Public Accountability
- Diploma in Sustainable Development
- Advanced Diploma in Public Accountability
- Advanced Diploma in Sustainable Development
- Postgraduate Diploma in Accounting
- Postgraduate Diploma in Actuarial Science
- Postgraduate Diploma in Business Management and Administration
- Postgraduate Diploma in Development Finance
- Postgraduate Diploma in Environment Management
- Postgraduate Diploma in Financial Planning
- Postgraduate Diploma in Future Studies
- Postgraduate Diploma in HIV/AIDS Management
- Postgraduate Diploma in Leadership Development
- Postgraduate Diploma in Marketing
- Postgraduate Diploma in Project Management
- Postgraduate Diploma in Public Finance Management
- Postgraduate Diploma in Strategic Human Resource Management
- Postgraduate Diploma in Sustainable Development
- Postgraduate Diploma in Transport and Logistics

2. How to communicate with the Faculty

2.1 Important contact details of the Faculty

The Faculty's direct contact details appear in the following table. Please send correspondence electronically to the e-mail addresses provided. For general enquiries, or if you do not know who specifically to contact in the Faculty, please ask the University's client services centre: 021 808 9111 or info@sun.ac.za.

	Telephone number	E-mail address
Faculty Management		
Dean		
Prof Ingrid Woolard	021 808 2248	deanems@sun.ac.za
Personal Assistant		
Ms Tanja Malan	021 808 9564	tanja@sun.ac.za
Vice-Dean (Learning and Teaching)		
Prof Ronel du Preez-Snyman	021 808 9562	rdp@sun.ac.za
Secretary		
Ms Tanja Malan	021 808 9564	tanja@sun.ac.za
Vice-Dean (Research, Postgraduate Affairs and Internationalisation)		
Prof Michael Graham	021 918 4261	michael.graham@usb.ac.za
Secretary		
Ms Norma Saayman	021 918 4238	ns5@usb.ac.za
Faculty Director		
Mr MJ Brooks	021 808 2078	mjbrooks@sun.ac.za
Enquiries		
General Enquiries		
Client Service Centre	021 808 9111	info@sun.ac.za
Faculty Administrator (administrative enquiries)		
Ms Lauren Delport	021 808 9111	laurend@sun.ac.za
Ms Bomikazi Kohli	021 808 9111	kohli@sun.ac.za
Ms Carol Blaauw	021 808 9111	carolc@sun.ac.za

Student Affairs Officer		
Ms Ilse Frans	021 808 9525	ilfrans@sun.ac.za
Departments		
Department of Business Management		
Chairperson		
Prof Christo Boshoff	021 808 2735	cboshoff@sun.ac.za
Secretary		
Ms Lorraine Cilliers	021 808 2026	lorrainecilliers@sun.ac.za
Department of Economics		
Chairperson		
Prof Ada Jansen	021 808 2737	ada@sun.ac.za
Secretary		
Ms Ina Kruger	021 808 2247	gmkruger@sun.ac.za
Department of Industrial Psychology		
Chairperson		
Prof Aletta Odendaal	021 808 3001	odendaala@sun.ac.za
Secretary		
Ms Rahkeenah Peters	021 808 3012	indpsych@sun.ac.za
Department of Logistics		
Chairperson		
Dr Neil Jacobs	021 808 2256	neil@sun.ac.za
Secretary		
Ms Marlene Mostert	021 808 2249	mmt@sun.ac.za
Department of Statistics and Actuarial Science		
Chairperson		
Prof Justin Harvey	021 808 9082	jharvey@sun.ac.za
Secretary		
Ms Elizna Huysamen	021 808 3244	krugere@sun.ac.za
Schools		
School of Accountancy		
Director		
Prof Pieter von Wielligh	021 808 3846	pvw@sun.ac.za
Secretary		
Ms Lies de Villiers	021 808 3889	ldevilliers@sun.ac.za
School of Public Leadership (SPL)		
Director		
Prof Zwelinzima Ndevu	021 918 4129	zwelinzima@sun.ac.za
Reception (SPL, Bellville)		
Ms Sharon Sheldon	021 918 4122	sharon.sheldon@spl.sun.ac.za
Secretary (Perold Building, Stellenbosch)		
Ms Adell Rhode	021 808 2195	athomas@sun.ac.za
Stellenbosch Business School		
Director		
Prof Mark Smith	021 918 4288	mark.smith@usb.ac.za
Secretary		
Ms Jeanne Kuhn	021 918 4288	jeannek@sun.ac.za

Research and Service Bodies		
Africa Centre for HIV/AIDS Management		
Director		
Dr Vuyiseka Dubula-Majola	021 808 3921	vuyiseka@sun.ac.za
Secretary		
Ms Bianca Jacobs	021 808 3006	bianca@sun.ac.za
African Centre for Development Finance (ACDF)		
Director		
Dr Lwanga Elizabeth Nanziri	021 918 4255	elizabethn@usb.ac.za
Anti-Corruption Centre for Education and Research of Stellenbosch University (ACCERUS)		
Director		
Prof Pregala Pillay	021 918 4341	pregala@spl.sun.ac.za
Bureau for Economic Research (BER)		
Director		
Prof Johann Kirsten	021 808 9754	jkirsten@sun.ac.za
Secretary		
Ms Celeste Booysen	021 808 9755	cbooyesen@sun.ac.za
Centre for Competition Law and Economics		
Contact person		
Prof Willem Boshoff	021 808 2387	wimpie2@sun.ac.za
Centre on Conflict and Collaboration		
Director		
Prof Brian Ganson	021 918 4287	bganson@sun.ac.za
Contact person		
Ms Sunelle Hanekom	021 918 4381	sunelle.hanekom@usb.ac.za
Centre for Corporate Governance		
Director		
Vacant		
Secretary		
Ms Surita Basson	021 918 4228	sbasson@sun.ac.za
Centre for Local Governance		
Director		
Prof Tania Ajam	021 918 4124	tajam@spl.sun.ac.za
Contact person		
Mr Johnny Douglas	021 918 4122	johnnyd@spl.sun.ac.za
Centre for Multi-Dimensional Data Visualisation		
Contact person		
Prof Sugnet Lubbe	021 808 3024	slubbe@sun.ac.za
Centre for Responsible Leadership Studies (Africa)		
Contact person		
Prof Mias de Klerk	021 918 4381	mias@usb.ac.za
Centre for Statistical Consultation		
Director and contact person		
Prof Martin Kidd	021 808 2561	mkidd@sun.ac.za

Centre for Sustainability Transitions		
Co-Director		
Prof Mark Swilling	021 808 4324	swilling@spl.sun.ac.za
Co-Director		
Prof Reinet Biggs	021 808 9607	oonsie@spl.sun.ac.za
Contact person		
Ms Amanda October	021 808 9607	aaoctober@spl.sun.ac.za
Institute for Futures Research (IFR)		
Director		
Ms Doris Viljoen	021 918 4156	doris@ifr.sun.ac.za
Contact person		
Ms Mariana Olwage	021 918 4147	mo1@ifr.sun.ac.za

2.2 Faculty webpages

For more information on the Faculty of Economic and Management Sciences, including links to the webpages of the various divisions, visit www.sun.ac.za/ems.

3. How to communicate with the University

3.1 Prospective students

- The University allocates an application number to you (for example APP/1234567) when you apply to study at the University.
- The application number is a unique number to identify you and to simplify future communication with the University regarding all your programme applications in a given year.
- Use your application number every time you communicate with the University

3.2 Current or former Stellenbosch University students

- The University allocates a student number to you when you are admitted to a programme and register at the University.
- The student number is a unique number to identify you and to simplify future communication with the University.
- Use your student number every time you communicate with the University.

3.3 Contact details for enquiries about your studies, bursaries and loans, and residence placements

E-mail: info@sun.ac.za

Telephone: 021 808 9111

Visit Stellenbosch University's website at www.sun.ac.za.

4. Language at the University

Stellenbosch University (SU) is committed to engagement with knowledge in a diverse society and through the Language Policy aims to increase equitable access to SU for all students and staff. Multilingualism is promoted as an important differentiating characteristic of SU. Afrikaans, English, and isiXhosa are used in academic, administrative, professional, and social contexts. Pedagogically sound teaching and learning are facilitated by means of Afrikaans and English.

More information concerning language at SU is available on the website www.sun.ac.za/language.

5. Recognition of prior learning (RPL) and credit accumulation and transfer (CAT)

For some programmes, the Faculty may admit a limited number of students who do not comply with the set admission requirements for that programme, but who possess proven comparable competencies (this process falls under recognition of prior learning (RPL)). It is also possible to transfer some credits from other higher education institutions if the requirements are met (this process falls under credit accumulation and transfer (CAT)).

As first steps in the RPL/CAT processes, you can consult the University and the Faculty RPL/CAT regulations, respectively. Visit:

- www.sun.ac.za/english/learning-teaching/ctl/t-l-policies-and-guidelines/institutional, for the University regulation; and
- www.sun.ac.za/ems, looking under "Prospective students", for the Faculty regulation.

Some environments, like the School of Public Leadership, Centre for Sustainability Transitions (CST), Department of Industrial Psychology and the Stellenbosch Business School have also developed their own criteria that forms part of the Faculty's procedures. These must be read in conjunction with the University's RPL/CAT regulation. For more information, please contact the relevant environment directly.

Please note that approval in terms of the RPL/CAT regulations requires quite a lot of additional submissions and information, and also takes time. Furthermore, and depending on your profile, environments may prescribe additional work for you to do before they will consider your RPL/CAT application.

Undergraduate Programmes

1. General information for all undergraduate programmes

1.1 Summary of undergraduate programmes and their credit loads

The table below summarises the undergraduate programmes in the Faculty and the minimum credits to be earned for each of them. Refer to the individual programme descriptions further on in this chapter for more detail.

Please note that **only the minimum required number of credits** is listed in the table. The actual number of credits required for degree purposes will be determined by your particular subject combination and the accompanying prerequisite, corequisite and prerequisite pass module requirements.

Programme <i>Home department</i>	1st year	2nd year	3rd year	4th year	5th year	Total credits
Diploma programmes						
Dip (Public Accountability) <i>School of Public Leadership</i>	120	120				240
Dip (Sustainable Development) <i>School of Public Leadership</i>	120	120	120			360
Advanced Diploma programmes						
Advanced Diploma in Public Accountability <i>School of Public Leadership</i>	120					120
Advanced Diploma in Sustainable Development <i>School of Public Leadership</i>	120					120
Broad degree programmes						
BCom <i>Dept of Business Management</i>	120	120	120			360
BCom (Economic Sciences) <i>Dept of Economics</i>	120	128	120			368
BCom (Management Sciences) <i>Dept of Business Management</i>	126	128	120			374
BCom (Mathematical Sciences) <i>Dept of Statistics and Actuarial Science</i>	128	124	120			372
BDatSci <i>Various faculties and departments</i>	120	128	128	122		498
BCom (International Business) <i>Dept of Business Management</i>	120	144	132	120		516
Professional degree programmes						
BCom (Actuarial Science) <i>Dept of Statistics and Actuarial Science</i>	154	136	144			434
BCom (Financial Accounting) <i>School of Accountancy</i>	120	128	144			392
BCom (Management Accounting) <i>School of Accountancy</i>	120	128	144			392
BCom (Industrial Psychology) <i>Dept of Industrial Psychology</i>	138	128	144			410
BAcc <i>School of Accountancy</i>	138	154	156			448

Programme <i>Home department</i>	1st year	2nd year	3rd year	4th year	5th year	Total credits
Degree programmes that include studies in law						
BCom (Law) (for students starting in 2022 or later) <i>Faculty of Law</i>	144	130	150			424
BCom (Law) (for students registered before 2022) <i>Faculty of Law</i>	160	144	154			458
BAccLLB (for students starting in 2022 or later) <i>School of Accountancy & Faculty of Law</i>	162	144	170	174	168	818
BAccLLB (for students registered before 2022) <i>School of Accountancy & Faculty of Law</i>	168	158	174	180	164	844
Four-year bachelor's programme (EDP)						
BCom (Management Sciences) EDP <i>Dean's Office</i>	92	110	102	120		424

1.2 Summary of the admission and selection requirements for undergraduate programmes in 2023

This section gives an overview of the minimum admission requirements for all the undergraduate programmes in the Faculty. It also briefly points out where a programme follows a programme specific selection process. However, please note that all applications undergo a general selection process. Therefore, even if you meet the minimum admission requirements of a programme, you may not be admitted to that programme. See the section "How selection, admission and registration work" below for a more detailed explanation of the selection process.

Abbreviations used

EMS: Economic and Management Sciences

NSC: National Senior Certificate

Minimum EMS language admission requirements*

* These language requirements apply to most of the undergraduate degree programmes. In the requirements below, they are marked with an asterisk (*) to refer you back here.

One of the following:

- Afrikaans Home Language 50% *or*
- English Home Language 50% *or*
- Afrikaans First Additional Language 60% *or*
- English First Additional Language 60%

Dip (Public Accountability)

Admission requirements

- A National Senior Certificate with one of the following:
 - At least Level 3 (40%) in English (the language of learning and teaching) *and* in **three** other NSC subjects, excluding Life Orientation; *or*
 - At least Level 2 (30%) in English (the language of learning and teaching) *and* at least Level 3 (40%) in **four** other NSC subjects, excluding Life Orientation, *plus* three years relevant work experience;
- or*
- Any higher education qualification that you have successfully completed, in other words a higher certificate, diploma or degree.

Selection

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

Should the applicants who meet the admission requirements exceed the capacity of the School, the criteria of the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

Dip (Sustainable Development)**Admission requirements**

- An overall National Senior Certificate average of at least 55%, excluding Life Orientation
- Mathematics 50% *or*
Mathematical Literacy 60% *or*
Mathematics 40% *or* Mathematics Literacy 50% *and* 60% for Business Studies *or* Economics *or* Accounting
- English Home Language 50% *or*
English First Additional Language 60%

Selection

A selection process is followed internally by the School of Public Leadership. The number of students selected will be influenced by, among other things, staff capacity and the availability of resources within the School, as well as academic merit and University transformation objectives. As staff capacity and resources may fluctuate from year to year, the number of students selected can also differ from year to year.

A committee selects applicants based on a combined score. The combined score is derived from your academic merit (NSC average), and the interest and experience you demonstrate in key areas (indicated in the departmental application form). Key areas include sustainable development, social and environmental justice, entrepreneurial mindset, creativity and leadership.

Advanced Dip (Public Accountability)**Admission requirements**

- A Diploma in Public Accountability (240 credits) *plus* work-integrated learning (WIL) (120 credits);
or
- Any public-sector-related diploma or degree;
or
- A diploma or degree in any field *with* relevant work experience and training in the public sector. Your work experience and training will be determined by means of the recognition of prior learning (RPL) processes.

Selection

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

Should the applicants who meet the admission requirements exceed the capacity of the School, the criteria of the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

Advanced Dip (Sustainable Development)**Admission requirements**

- A diploma (NQF Level 6) or bachelor's degree (NQF Level 7) from a recognised tertiary institution in subjects/fields aligned with the focus of the Advanced Diploma, for example sustainable development, entrepreneurship, business studies, economics or innovation.

Further requirement

- Access to a computer and stable internet connection for online learning.

Selection

A selection process is followed internally by the School of Public Leadership. The number of students selected will be influenced by, among other things, staff capacity and the availability of resources within the School, as well as academic merit and University transformation objectives. Since staff capacity and resources may fluctuate from year to year, the number of students selected may also differ from year to year.

A committee selects applicants based on a combined score. The combined score is derived from your academic merit, and the interest and experience you demonstrate in key areas (indicated in the departmental application form). Key areas include sustainable development, social and environmental justice, entrepreneurial mindset, creativity and leadership.

BCom, BCom (Economic Sciences), BCom (Management Sciences) and BCom (Industrial Psychology)**Admission requirements**

- Overall NSC average of at least 65%, excluding Life Orientation
- Mathematics 60%
- Minimum EMS language admission requirement*

Selection

The number of students selected is determined by the Faculty's enrolment plan and may differ from year to year.

Should the applicants who meet the admission requirements exceed the capacity of the Faculty's enrolment plan, the criteria of the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

BCom (Financial Accounting) and BCom (Management Accounting)**Admission requirements**

- Overall NSC average of at least 65%, excluding Life Orientation
- Mathematics 60%
- Minimum EMS language admission requirement*

Selection

The number of students selected is determined by the Faculty's enrolment plan and may differ from year to year.

Should the applicants who meet the admission requirements exceed the capacity of the Faculty's enrolment plan, the criteria of the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

BCom (Management Sciences) Extended Degree Programme (EDP)**Admission requirements**

- Overall NSC average of at least 60%, excluding Life Orientation
- Mathematics 50%
- Minimum EMS language admission requirement*

Selection

You must meet the above minimum admission requirements for the EDP, and you will get preference if you also come from disadvantaged socio-economic circumstances.

Approximately 100 students can be accommodated in the programme each year. The number of students selected is determined by the Faculty's enrolment plan and may differ from year to year.

Should the applicants who meet the admission requirements exceed the capacity of the Faculty's enrolment plan, the criteria of the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

For more information on the EDP, see "How selection, admission and registration work" below and the specific entry for the EDP at the end of this chapter.

BCom (International Business)**Admission requirements**

- Overall NSC average of at least 80%, excluding Life Orientation
- Mathematics 70%
- English Home Language 70% *or*
English First Additional Language 80%
- Any additional language 70%

Selection

The BCom (International Business) programme is a strict selection programme with set criteria that must be met in order to proceed from one academic year to the next. The number of students selected is determined by the Faculty's enrolment plan and may differ from year to year.

Should the applicants who meet the admission requirements exceed the capacity of the Faculty's enrolment plan, the criteria of the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

Please note: It is only possible to transfer to this programme if (1) you meet the minimum admission requirements and (2) the maximum number of enrolments have not been reached yet. If you wish to transfer

to this programme and you meet the minimum admission requirements above, please e-mail your request to Ms Lauren Delpoit for consideration (laurend@sun.ac.za).

BCom (Actuarial Science)

Admission requirements

- An NSC average of at least 80% based on the six best subjects, excluding Life Orientation
- Mathematics 80%
- Home Language 60%
- If the Home Language (in the requirement above) is not English, then also English First Additional Language 75%

Selection

The number of students selected is determined by the Faculty's enrolment plan and may differ from year to year.

Should the applicants who meet the admission requirements exceed the capacity of the Faculty's enrolment plan, the criteria of the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

BCom (Mathematical Sciences)

Admission requirements

- Overall NSC average of at least 70%, excluding Life Orientation
- Mathematics 75%
- Minimum EMS language admission requirement*

Selection

The number of students selected is determined by the Faculty's enrolment plan and may differ from year to year.

Should the applicants who meet the admission requirements exceed the capacity of the Faculty's enrolment plan, the criteria of the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

BDatSci

Admission requirements

- Overall NSC average of at least 80%, excluding Life Orientation
- Mathematics 80%
- One of the following:
 - Afrikaans Home Language 60% *or*
 - English Home Language 60% *or*
 - Afrikaans First Additional Language 75% *or*
 - English First Additional Language 75%

Selection

The number of students selected is determined by the Faculty's enrolment plan and may differ from year to year.

Should the applicants who meet the admission requirements exceed the capacity of the Faculty's enrolment plan, the criteria of the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

BAcc

Admission requirements

- Overall NSC average of at least 70%, excluding Life Orientation
- Mathematics 70% *or*
Mathematics 60% and Accounting 70%
- Minimum EMS language admission requirement*

Selection

The number of students selected is determined by the Faculty's enrolment plan and may differ from year to year.

Should the applicants who meet the admission requirements exceed the capacity of the Faculty's enrolment plan, the criteria of the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

Please note: This programme is presented fully in English and Afrikaans.

BCom (Law)

Please note: the minimum admission requirements are the same for students commencing the BCom (Law) programme prior to 2022, and for students commencing the BCom (Law) programme from 2022 and thereafter.

Admission requirements

- Overall average of at least 70%, excluding Life Orientation, in the National Senior Certificate (NSC) or Independent Examinations Board (IEB) school-leaving certificate.
- Mathematics 60%
- One of the following:
 - Afrikaans Home Language 60% *or*
 - English Home Language 60% *or*
 - Afrikaans First Additional Language 70% *or*
 - English First Additional Language 70%

Selection

This is a specific selection programme. The Faculty of Law does the selection.

BAccLLB

Please note: the minimum admission requirements are the same for students commencing the BAccLLB programme prior to 2022, and for students commencing the BAccLLB programme from 2022 and thereafter.

Admission requirements

- Overall average of at least 80%, excluding Life Orientation, in the National Senior Certificate (NSC) or Independent Examinations Board (IEB) school-leaving certificate
- Mathematics 70% *or*
Mathematics 60% and Accounting 70%
- One of the following:
 - Afrikaans Home Language 60% *or*
 - English Home Language 60% *or*
 - Afrikaans First Additional Language 70% *or*
 - English First Additional Language 70%

Selection

This is a specific selection programme. The Faculty of Law does the selection.

1.3 How selection, admission and registration work

1.3.1 The principles for selection and admission

a) The number of students admitted is limited according to the Faculty's enrolment target.

General and specific selection

The Faculty selects new first-year students to meet its overall enrolment target. Besides this general selection, there is also an additional selection process for the following programmes:

- BCom (International Business),
- BCom (Law),
- BAccLLB,
- BCom (Management Sciences) (EDP), and
- Diploma in Sustainable Development.

Selection for the extended degree programme (EDP)

You will be considered for the BCom (Management Sciences) EDP if you meet the EDP's admission requirements. Furthermore, you will get preference if you meet the socio-economic status (SES) requirements of the University's admissions policy and the SES level determined by the Faculty. The University determines all applicants' SES scores and final admission depends on the available places.

For more details, see the programme description later in this chapter.

b) Selection is based on academic merit

You must meet the admission requirements

You must meet the minimum admission requirements of the programme you apply for. You can find these requirements above under "Summary of the admission and selection requirements for undergraduate programmes in 2023", or in the programme descriptions of the relevant programmes. The admission requirements for undergraduate programmes are updated regularly, so please consult the EMS Faculty website frequently for the latest information: www.sun.ac.za/ems.

Your selection mark must be high enough

Once you know that you meet the admission requirements, you can submit your application. The Faculty will then calculate a selection mark for you, which it will use in the selection process. If your selection mark is inadequate, you may not be selected even though you meet the minimum admission requirements. Read below under "The selection mark" how this selection mark is calculated.

National Benchmark Test (NBT)

The NBT is an assessment test used for first-year applicants to higher education institutions. The NBTs are designed to measure a writer's ability to transfer understanding of academic literacy (language skills), quantitative literacy (numerical skills) and Mathematics to the demands of tertiary (higher education) coursework.

You must write all the available NBTs if you fall into one of the following categories:

Only School of Tomorrow applicants, Diploma in Sustainable Development applicants, and applicants to the Faculty of Law.

1. School of Tomorrow:
 - o As a School of Tomorrow applicant, you must write the NBT before the end of the year before your intended studies to ensure that your results are available in time for registration.
2. Faculty of Law:
 - o If you are applying to the Faculty of Law you must write the NBT before 16 July.
 - o BCom Law, BAccLLB - AQL & MAT
 - o LLB, BA Law – AQL
3. If you want to apply for the Undergraduate Diploma in Sustainable Development, you must write all the available NBTs.

You can write the NBTs countrywide at various centres. Consult the NBT website (www.nbt.ac.za) or the SU website (www.maties.com) for more information.

1.3.2 The selection mark

The "selection mark" is calculated as follows:

- Your final Grade 11 average (excluding Life Orientation) is used if you are currently in Grade 12. Your final Grade 12 average (excluding Life Orientation) is used if available. This average is your selection mark.
- If you have **more than six** university admission subjects:
 - o the *six highest marks* are used for the average, and
 - o *Mathematics* and either *English or Afrikaans* must be among the six subjects.
- If you have **fewer than six** university admission subjects:
 - o *at least four* subjects are used for the average, and
 - o *Mathematics* and either *English or Afrikaans* must be among the four subjects.

See the table below for the required selection mark and other selection criteria per programme.

Programme	Selection criteria for immediate provisional acceptance
BCom (Management Sciences) BCom (Economic Sciences) BCom (Industrial Psychology) BCom (Financial Accounting) BCom (Management Accounting)	<ul style="list-style-type: none"> • Selection mark of 65% • Mathematics 60% • English Home Language 50% <i>or</i> Afrikaans Home Language 50% <i>or</i> Afrikaans First Additional Language 60% <i>or</i> English First Additional Language 60%
BCom (Mathematical Sciences)	<ul style="list-style-type: none"> • Selection mark of 70% • Mathematics 75% • English Home Language 50% <i>or</i> Afrikaans Home Language 50% <i>or</i> Afrikaans First Additional Language 60% <i>or</i> English First Additional Language 60%

Programme	Selection criteria for immediate provisional acceptance
BCom (Actuarial Science)	<ul style="list-style-type: none"> • Selection mark of 85% • Mathematics 80% • Home Language 60% • If English is not the home language, English First Additional Language 75%
B Data Science	<ul style="list-style-type: none"> • Selection mark of 80% • Mathematics 80% • Home Language 60% • If English is not the home language, English First Additional Language 75%
BAccounting	<ul style="list-style-type: none"> • Selection mark of 70% • Mathematics 70% <i>or</i> Mathematics 60% <i>and</i> Accounting 70% • English Home Language 50% <i>or</i> Afrikaans Home Language 50% <i>or</i> English First Additional Language 60% <i>or</i> Afrikaans First Additional Language 60%

The following **selection programmes** do not offer automatic provisional acceptance. Students will be individually evaluated and advised by 30 September as to whether they have been provisionally accepted.

Programme	Selection process and minimum requirements
BCom (Management Sciences) Extended Degree Programme (EDP)	<p>This is a selection process based on academic merit and socio-economic status (approximately 100 places in 2023).</p> <p>The minimum requirements are:</p> <ul style="list-style-type: none"> • A selection mark of 60% • Mathematics 50% • English Home Language 50% <i>or</i> Afrikaans Home Language 50% <i>or</i> Afrikaans First Additional Language 60% <i>or</i> English First Additional Language 60%
BCom (International Business)	<p>Selection process based on academic merit and number of available places (approximately 80 places in 2023).</p> <p>The minimum requirements are:</p> <ul style="list-style-type: none"> • A selection mark of 80% • Mathematics 70% • English Home Language 70% <i>or</i> English First Additional Language 80% • Any additional language 70%
BAccLLB	Selection process done by the Faculty of Law.
BCom (Law)	Selection process done by the Faculty of Law.
Diploma in Public Accountability	<p>Selection process done internally by the School of Public Leadership (approximately 100 places in 2023).</p> <p>The minimum requirements are a National Senior Certificate (NSC) with one of the following:</p> <ul style="list-style-type: none"> • At least Level 3 (40%) in English (the language of learning and teaching) and in three other NSC subjects, excluding Life Orientation; <i>or</i> • At least Level 2 (30%) in English (the language of learning and teaching) and at least Level 3 (40%) in four other NSC subjects, excluding Life Orientation, <i>plus</i> three years relevant work experience; <i>or</i> • Any higher education qualification that you have successfully completed, in other words a higher certificate, diploma or degree.

Programme	Selection process and minimum requirements
Diploma in Sustainable Development	<p>Selection process done internally by the School of Public Leadership (approximately 35 places in 2023).</p> <p>Minimum requirements:</p> <ul style="list-style-type: none"> • A selection mark of 55% • Mathematics 50% <i>or</i> Mathematical Literacy 60% <i>or</i> Mathematics 40% <i>or</i> Mathematical Literacy 50% <i>and</i> 60% for Business Studies <i>or</i> Economics <i>or</i> Accounting • English Home Language 50% <i>or</i> English First Additional Language 60%
Advanced Diploma in Public Accountability	<p>Selection process done internally by the School of Public Leadership (approximately 150 places in 2023).</p> <p>The minimum requirements are:</p> <ul style="list-style-type: none"> • A Diploma in Public Accountability (240 credits) plus work-integrated learning (WIL) (120 credits) <i>or</i> • Any public-sector-related diploma or degree, <i>or</i> • A diploma or degree in any field with relevant work experience and training in the public sector. Your work experience and training will be determined by means of recognition of prior learning (RPL) processes.
Advanced Diploma in Sustainable Development	<p>Selection process done internally by the School of Public Leadership.</p> <p>The minimum requirements are:</p> <ul style="list-style-type: none"> • A diploma (NQF Level 6) or bachelor's degree (NQF Level 7) from a recognised tertiary institution in subjects/fields aligned with the focus of the Advanced Diploma, for example sustainable development, entrepreneurship, business studies, economics or innovation. • A further requirement is access to a computer and stable internet connection for online learning.

1.3.3 Immediate provisional acceptance and waiting list

You will receive provisional acceptance based on your Grade 11 results. This means that you are accepted on condition that your Grade 12 final examination (NSC or IEB) results also meet the admission requirements. If you have completed high school in a different system from the NSC or IEB, your final marks must still meet the admission requirements.

To get **immediate provisional acceptance**, based on your Grade 11 marks, you must meet **all the following requirements**:

- You must have submitted a complete application by **31 July** (with **no outstanding documents**),
- You must meet the minimum admission requirements for the programme that you applied for, and
- You must have a selection mark as specified for that programme (see the table above).

If you meet these requirements, you are seen as a top merit student and will not be subjected to further selection. You will receive immediate notification from the University to confirm your provisional acceptance.

In the following cases, you **will not be granted immediate provisional acceptance**:

- If your selection mark is lower than the specified mark in the table above.
- If you are an international candidate (a student from a non-South African school).
- If you applied for any of the programmes in the table above that indicate a selection process.

You will be placed on a waiting list until the end of July, when the first phase of the selection process begins. Everyone on the waiting list will receive notice of the outcome of the selection process by 30 September.

1.3.4 Applying with marks other than your Grade 11 final marks

Provisional acceptance only applies if you have not matriculated yet and use your final Grade 11 marks to apply at the university.

If you were previously enrolled at another tertiary institution, you will need to submit your official academic record for the time you were there, as well as the qualification certificate(s) for any qualifications you completed. Your application will then be considered based on your academic record and your final Grade 12 results.

1.4 Application procedure and closing date

All the undergraduate programmes in the Faculty have the same application procedure and closing date, unless otherwise specified (see the relevant programme entries for more information):

- Apply electronically at www.maties.com in the year before your intended studies. Applications open in March. Please note that for the Diploma in Sustainable Development, you must also complete a departmental application form.
- All applications close on **31 July**, except for the Diploma and the Advanced Diploma in Public Accountability, which close **15 December**.
- The closing dates mean that your application must be finalised, and **all** documentation handed, in by these dates. No applications that reach the University after the closing date will be accepted. In the case of the Diploma and the Advanced Diploma in Public Accountability, however, you may contact the programme leader to find out about late application.

1.5 Choosing the right modules for your degree programme and e-registration

You must make sure that you choose the right number of credits as required for obtaining your degree (see the table above under "Summary of undergraduate programmes and their credit loads" for the minimum credits required per year). You must also make sure that you take the correct prerequisite, corequisite and prerequisite pass modules every year. The table in Appendix A can help you with this.

If you are considering postgraduate studies after obtaining your B degree, you must make sure that you take the necessary undergraduate modules for the postgraduate programme that you have in mind. Consult the table in Appendix B for the undergraduate prerequisites for postgraduate studies.

1.5.1 Registering for focal areas and other module combinations

As a first-year student, you will be able to e-register for a focal area in a broad programme. If you complete all the compulsory modules of the focal area in your final year, the focal area will be indicated on your academic transcript.

If you wish to choose other module combinations (as listed in the general programme option), you may do so only if timetables allow for it, and you will have to register in person with the faculty administrators in Admin A on the day of registration.

1.5.2 Timetable clashes

Before making a final choice of modules for a specific academic year, you should closely consult the relevant class and assessment timetables. If two modules fall in the same time slot on a particular timetable, the University will not allow you to register for both of them.

From a timetable perspective, we encourage you to choose the complete set of modules that is in a particular subject group. For example, choose Industrial Psychology 114 *and* 144; Economics 214 *and* 244; Financial Management 314, 332, 352 *and* 354 to avoid timetable clashes. If you choose modules from different subject groups, the possibility of timetable clashes increases. In such cases you should test your module combination on the SU timetable system before making your final selection: visit My.SUN (link at the top of the SU and Maties websites) and find the timetables under the "Studies" tab.

1.6 Extra subjects

There are restrictions on the taking of extra modules (for non-degree purposes). See the relevant subheadings under "Assessments and Promotions" in Part 1 (General) of the Calendar.

1.7 Undergraduate assessment

1.7.1 Assessment rules

The Faculty undergraduate assessment rules, together with the Stellenbosch University assessment rules apply to all modules:

- For the assessment guidelines for a specific module, you can consult that module's module framework.
- For the undergraduate 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 Undergraduate Assessment Rules".
- For more information and the general rules on assessment, see Part 1 (General) of the Calendar, under "Assessments and Promotions".

1.7.2 Requirements for passing a major subject

A major subject is a combination of third-year modules with a total credit value of at least 48, except for the following subjects where the minimum total credit value is 64:

- Actuarial Science,
- Computer Science,
- Operations Research,
- Mathematical Statistics, and
- Mathematics.

For Investment Management the total credit value is 60. The modules of a major subject start in the second year and continue in the third year.

1.8 Faculty of Economic and Management Sciences Seasonal Schools

The Faculty of Economic and Management Sciences **may** offer seasonal schools (either summer or winter schools) for the following modules:

- Business Management 113
- Business Management 142
- Economics 114
- Economics 144
- Financial Accounting 178
- Financial Accounting 179
- Financial Accounting 188
- Financial Management 214
- Theory of Interest 152

The purpose of the seasonal schools is to give students who failed a module in the preceding semester(s) or year, a chance to pass the module without having to register for the module again in the following semester or year. If you are such a student, you may be permitted to register for the seasonal school module.

You only qualify to participate in a seasonal school if you have achieved a specific (fail) mark for the module. This mark is set out in the seasonal school admission requirements for the module.

Seasonal schools are not meant for improving your mark; therefore you cannot participate in them if you have already passed the module. BCom (Actuarial Science) students are the only exception to this rule; they may be permitted to register for the seasonal school for Financial Accounting 188.

If you qualify for a seasonal school, you will receive an e-mail with registration information. It is your responsibility to successfully register and pay the fees by the deadline.

Please note:

- It is possible that no seasonal school will be offered in a particular module in a particular year. The responsible academic environment decides whether a seasonal school will be offered in a particular year. You do not have the right to demand a seasonal school in any particular academic year.
- Seasonal schools usually run in January and in the mid-year recess every year.
- You cannot enrol for two seasonal schools taking place at the same time.
- Seasonal schools are presented face-to-face (F2F) on campus and/or online. The department decides the mode of provision.

- All learning activities, lectures and assessments for the seasonal school are compulsory. If you were absent from any learning activities, lectures or assessments, you will not get a final mark.
- To pass a module by means of a seasonal school, you must achieve a final mark of at least 50. Final marks are not capped at 50.
- If you register for a seasonal school, you may also apply for readmission, if necessary. Note that passing the seasonal school does not guarantee readmission. For more information on readmission after unsuccessful studies please consult Part 1 (General) of the Calendar.
- There are limited spaces available in every seasonal school. Registration closes once the maximum number has been reached.
- The language specification of the seasonal school depends on the following:
 - the module specification stated in the Language Implementation Plan of the Faculty and the language specification of the associated mainstream module,
 - the availability of academic staff, and
 - the number of students who choose to attend the school in English or Afrikaans.
- If you attend the seasonal school, you must make your own accommodation arrangements. Stellenbosch University may make accommodation available, for which you must pay to use it.

Please contact the module coordinator for more information about seasonal schools.

1.9 Dean's Concession Assessments (DCAs)

- Only the Dean can approve a Dean's Concession Assessment (DCA). No department, lecturer or any other official may give you an undertaking in this regard.
- The DCA is a concession and not a right.
- The EMS Faculty's DCA falls outside of the Faculty's Assessment Rules.
- The DCA rules of the faculty in which you are registered will apply. Please note that:
 - as a final year student in the BDatSci programme you must follow the DCA rules of the home faculty of your focal area, and
 - as a final year student in the BAccLLB or BCom(Law) programme, you must follow the DCA rules of the Faculty of Economic and Management Sciences.
- You may qualify for a DCA in a module or modules if you are a final year undergraduate student and:
 - you are 33 credits or fewer short of a degree, diploma or certificate (for a maximum of two modules), *or*
 - you are short one module of 48 credits or less,
 - *and*
 - your valid final mark for the module(s) was at least 35%.
- It is *your* responsibility to acquire information about the DCA, and to apply for it.
- All DCAs will be written on consecutive days. You might be required to write more than one assessment on the same day.
- If you qualify for a DCA, you must apply for admission to a DCA in good time and no later than 12 January. Apply through the Faculty website at www.sun.ac.za/ems; by following the link "Dean's Concession Assessment(s)", which will be active for the DCA application period. The date, time and venue of the assessment(s) will also be confirmed during your application.
 - *Note:* final year BAccLLB and BCom(Law) students must apply to the faculty administrator of the Faculty of Law. See the Faculty of Law's Calendar part for their faculty administrator's details.
- You pass the DCA if you obtain a mark of 50% for it (this mark does not form part of the mark calculation formula as in the Faculty's Assessment Rules). The highest mark you can obtain for passing a DCA is 50%.
- There will be no further assessment opportunities after the DCA.

1.10 Minimum academic credits (HEMIS credits) required for continuing your studies

As an undergraduate student, you must pass at least 50% of your registered credits every year to be able to continue your studies in the next year. *Please note:* The number of **registered credits** is used to determine the 50% specification each year. The examples below are for students that register for the full credit load in a particular year.

Example: BCom (Management Sciences)

- a) **Minimum credits in the first year:**
- The first year has a credit load of 126 credits.
 - By the end of the first year's assessments in November, and to continue into the second year, you must pass 63 credits.
 - This means you must pass $63/126 = 0.50$ HEMIS credits.
 - You get one HEMIS credit if you pass all the credits for a given academic year.
- b) **Minimum credits in the second year:**
 If your programme has 128 credits in total, you must pass 64 credits: $64/128 = 0.50$ or
 If your programme has 144 credits in total, you must pass 72 credits: $72/144 = 0.50$
- c) **Minimum credits in the third year:**
 The total credit load is 120 – pass 60 credits: $60/120 = 0.50$
- d) The minimum readmission requirements also apply to **the BCom (Management Sciences) Extended Degree Programme (EDP):**
- First year: 92 total credits – pass 46 credits ($46/92 = 0.50$)
 - Second year: 110 total credits – pass 55 credits ($55/110 = 0.50$)
 - Third year: 102 total credits – pass 51 credits ($51/102 = 0.50$)
 - Fourth year: 120 total credits – pass 60 credits ($60/120 = 0.50$)
- e) **Prerequisite pass requirements:**
- Due to prerequisite pass requirements of certain modules within the programmes listed below, prerequisite pass modules **must** be passed in order for you to proceed (please refer to Appendix A):
 - BAcc
 - BCom (Actuarial Science)
 - BDatSci
 - BCom (Mathematical Sciences)

1.11 Registration for non-degree purposes at another university

- **You must** register at Stellenbosch University for the final year in which your studies will be completed. Therefore, if you are completing a single outstanding module at another university in a given year to obtain your degree at the end of that year, you must be registered at both universities simultaneously.
- **You may not** simultaneously register for modules at more than one university in order to obtain the same qualification.
- **You may not** register at different universities for more than one qualification.
- If you are enrolling for a final-year module at another higher education institution **you must** have failed the module after the official assessment opportunities at Stellenbosch University (final mark < 50%). In such a case you will not register at another higher education institution to obtain a degree, but only to complete the outstanding module.
- As a final-year student **you may** register for a single module at another higher education institution if the relevant department in the Faculty has approved and authorised the specific module and/or content and it is recognised by the University of Stellenbosch.

1.12 Enquiries about undergraduate programmes

To find out more about admission, selection and registration procedures, module options, and credit requirements, contact the faculty administrators:

Ms Lauren Delpont
 Administrative Building A
 Office number: A2035
 Tel: 021 808 9111
 E-mail: laurend@sun.ac.za

Ms Bomikazi Kohli
 Administrative Building A
 Office number: A2036
 Tel: 021 808 9111
 E-mail: kohli@sun.ac.za

Ms Carol Blaauw
 Administrative Building A
 Office number: A3001a
 Tel: 021 808 9111
 E-mail: carolc@sun.ac.za

If you have queries about specific modules, you are welcome to contact the department offering the module. You will find the home department for a particular module in the module contents at the back of this book (in the chapter "Subjects, Modules and Module Contents"). Find the contact details for departments in the chapter "General Information" at the beginning of this book, or visit the Faculty website, www.sun.ac.za/ems and click on "Departments". Contact details are given on each department's web page.

2. Undergraduate Diploma Programmes

2.1 Diploma in Public Accountability

Admission requirements

- A National Senior Certificate (NSC) with one of the following:
 - At least Level 3 (40%) in English (the language of learning and teaching) *and* in **three** other NSC subjects, excluding Life Orientation; *or*
 - At least Level 2 (30%) in English (the language of learning and teaching) *and* at least Level 3 (40%) in **four** other NSC subjects, excluding Life Orientation, *plus* three years relevant work experience;

or

- Any higher education qualification that you have successfully completed, in other words a higher certificate, diploma or degree.

Recognition of prior learning (RPL) and credit accumulation and transfer (CAT)

If you have successfully completed Municipal Minimum Competence training, you may apply for transfer of those credits, for up to a maximum of 50% of the credits of the Diploma in Public Accountability.

For more information on RPL and CAT, see the chapter "General information" at the beginning of this book.

Selection

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

Should the applicants who meet the admission requirements exceed the capacity of the School, the criteria of the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

Application procedure and closing date

You must apply at www.maties.com – only online applications will be accepted. Apply before **15 December** of the year before your intended studies or contact the programme leader to enquire about late application.

Duration and offering type of programme

Full-time (minimum two years).

Programme's mode of delivery

Hybrid learning.

Further study possibilities

After completing the Diploma in Public Accountability (240 credits) *and* work-integrated learning to the equivalent of 120 credits, you may apply for admission to the one-year Advanced Diploma in Public Accountability.

Programme structure

For the first year of study, you must attend two contact weeks per semester; that is, four contact weeks in total for the first year. For the second year, you must attend one contact week per semester; that is, two contact weeks in total for the second year.

Block weeks of face-to-face (F2F) contact are held on the Bellville Park campus. If enough students from a particular region register for the Diploma, contact weeks can also be offered at a venue in that region.

Contact weeks are also supplemented by video recordings and interactive online sessions. Because various forms of e-learning are used, the student package includes a computer and e-learning materials.

Enquiries

Programme leader: Mr Werner Burger

School of Public Leadership

Tel: 021 918 4383

E-mail: wernerb@spl.sun.ac.za

Website: www.sun.ac.za/english/faculty/economy/spl

Programme content

You must earn at least 240 credits.

First year (120 credits)

Compulsory modules

Compliance and Control: Asset and Procurement Management	122(15)
Compliance and Control: Budgeting	121(15)
Institutional Conduct	142(15)
Managing Institutional Capacity	171(20)
Managing Institutional Collaboration	182(15)
Managing Institutional Performance	191(20)
Public Accountability	161(20)

Second year (120 credits)

Compulsory modules

Institutional Conduct	241(20)
Managing Institutional Capacity	271(20)
Managing Institutional Collaboration	281(20)
Managing Institutional Performance	291(20)
Public Accountability	261(20)

Elective modules

Choose **one** of the following modules:

Compliance and Control	251(20)
Public Financial Accounting	231(20)

2.2 Diploma in Sustainable Development

Admission requirements

- An overall National Senior Certificate average of at least 55%, excluding Life Orientation
- Mathematics 50% *or*
Mathematical Literacy 60% *or*
Mathematics 40% *or* Mathematical Literacy 50% and 60% for Business Studies or Economics or Accounting
- English Home Language 50% *or*
English First Additional Language 60%

Selection

A selection process is followed internally by the School of Public Leadership. The number of students selected will be influenced by, among other things, staff capacity and the availability of resources within the School, as well as academic merit and University transformation objectives. As staff capacity and resources may fluctuate from year to year, the number of students selected can also differ from year to year.

A committee selects applicants based on a combined score. The combined score is derived from academic merit (NSC average), and the interest and experience you demonstrate in key areas (indicated in the departmental application form). Key areas include sustainable development, social and environmental justice, entrepreneurial mindset, creativity, and leadership.

Application procedure and closing date

Apply by **31 July** of the year before your intended studies. You must complete two applications:

1. The official University application, available from www.maties.com, *and*
2. The departmental application, which will be sent to you via e-mail within three weeks of completing the University application.

Duration and offering type of programme

Full-time (minimum duration of three years).

Programme's mode of delivery

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

Enquiries

Programme leader: Dr Ruenda Loots

School of Public Leadership

Tel: 021 881 3952

E-mail: ruenda@sun.ac.za

Website: www.sun.ac.za/english/faculty/economy/spl

Programme structure

All face-to-face (F2F) classes are presented at the Sustainability Institute, Lynedoch. Our aim is to immerse you practically in the world of sustainability through field trips and a lived experience at the Lynedoch EcoVillage. You will actively take part in various sustainable tasks and projects at Lynedoch. Transport is provided from the Stellenbosch main campus.

Interactive teaching methods are used during contact sessions. This includes formal lectures, facilitated discussions, case method learning and various kinds of structured group work. The main aim of this teaching approach is to complement theory with experiential learning. This builds your capacity for critical thinking, creativity, collaboration, and practical wisdom. All components of the teaching days, including practical tasks and group work, are credit bearing and attendance is therefore compulsory.

Programme content

You must earn at least 360 credits.

First year (120 credits)

All modules are compulsory.

Ecoliteracy	177(20)
Regenerative Leadership	177(10)
Social Entrepreneurship	177(20)
Strategic Communication	177(20)
Sustainability Perspectives	177(15)
Sustainable Design	177(20)
Worldviews	177(15)

Please note:

- The above list of modules will be presented from 2023 onwards. If you registered in or before 2022 and need to repeat any of these modules, you need to register for the replacing module as indicated below:
 - Personal Leadership Development 171 is replaced by Regenerative Leadership 177.
 - Creative Expression for Social Entrepreneurship 171 is replaced by Strategic Communication 177.
 - Sustainable Design Technologies I 171 is replaced by Sustainable Design 177.
 - Global Sustainability Perspectives 171 is replaced by Sustainability Perspectives 177.
 - World Views, Ethics and Belief Systems 171 is replaced by Worldviews 177.
- The following modules will be presented exclusively for repeating students. From 2024, these modules will no longer be offered:
 - Economics for a Green Economy 171
 - Introduction to Entrepreneurship 171
 - Complexity, Ecology and Sense of Place 171

Second year (120 credits)

The second-year modules below will be phased out in 2024.

The modules in the table below only apply to you if you start the second year of the Diploma in Sustainability programme in **2023**.

All modules are compulsory.

Civilisation, Revolution and Leadership	271(10)
Ecoliteracy for the 21st Century	271(10)
Image and Storytelling for Change Makers	271(15)
Raising and Managing Capital	271(10)
Social Activation and Engagement	271(15)
Social Entrepreneurship 1	271(10)
Social Innovation and Entrepreneurship 1	271(35)
Sustainable Design Technologies 2	271(15)

The modules in the table below will only be implemented in 2024. Therefore, the modules below only apply to you if you start the second year of the Diploma in Sustainability in **2024 and thereafter**.

All modules are compulsory.

Green Economy	278(15)
Regenerative Leadership	278(15)
Social Change	278(15)
Social Entrepreneurship	278(40)
Strategic Communication	278(15)
Sustainable Design	278(20)

Please note:

- The above list of modules will be presented from 2024 onwards. If you registered in or before 2023 and need to repeat any of these modules, you need to register for the replacing module as indicated below:
 - Social Activation and Engagement 271 is replaced by Social Change 271.
 - Image and Storytelling for Change Makers 271 is replaced by Strategic Communication 278.
- The following modules will be presented exclusively for repeating students. From 2025, these modules will no longer be offered:
 - Civilisation, Revolution and Leadership 271
 - Ecoliteracy for the 21st Century 271
 - Raising and Managing Capital 271
 - Social Entrepreneurship 1 271
 - Social Innovation and Entrepreneurship 271
 - Sustainable Design Technologies 271

Third year (120 credits)

The third-year modules below will be phased out in 2025. The modules in the table below only apply to you if you start the third year of the Diploma in Sustainability programme in **2023 and 2024**.

All modules are compulsory.

Building Sustainable Cities	371(10)
Communication, PR and Journalism Studies	371(10)
Mentorship and Facilitation	371(10)
Social Entrepreneurship 2	371(10)
Social Innovation and Entrepreneurship 2	371(30)
Sustainability Reporting, Monitoring and Evaluation	371(10)
Sustainable Development Internship	371(40)

The modules in the table below will only be implemented in 2025. Therefore, the modules below only apply to you if you start the third year of the Diploma in Sustainability programme in 2025 and thereafter.

Internship	379(40)
Regenerative Leadership	379(10)
Social Entrepreneurship	379(40)
Strategic Communication	379(15)
Sustainability Reporting	379(15)

Please note:

- The above list of modules will be presented from 2025 onwards. If you registered in or before 2024 and need to repeat any of these modules, you need to register for the replacing module as indicated below:
 - Sustainable Development Internship 371 is replaced by Internship 379.
 - Communication, PR and Journalism Studies 371 is replaced by Strategic Communication 379.
 - Mentorship and Facilitation 371 is replaced by Regenerative Leadership 379.
 - Sustainability Monitoring, Evaluation and Reporting 371 is replaced by Sustainability Reporting 379.
- The following modules will be presented exclusively for repeating students. From 2026, these modules will no longer be offered:
 - Social Innovation and Entrepreneurship 2 (371).
 - Social Entrepreneurship 2 (371).
 - Building Sustainable Cities 371.

3. Advanced Diploma Programmes

3.1 Advanced Diploma in Public Accountability

Admission requirements

- A Diploma in Public Accountability (240 credits) *plus* work-integrated learning (WIL) (120 credits)
or
- Any public-sector-related diploma or degree
or
- A diploma or degree in any field *with* relevant work experience and training in the public sector. Your work experience and training will be determined by means of recognition of prior learning (RPL) processes.

Recognition of prior learning (RPL) and credit accumulation and transfer (CAT)

If you have successfully completed a Middle Management Development Programme (MMDP), you may apply for transfer of those credits, for up to a maximum of 50% of the credits of the Advanced Diploma in Public Accountability.

For more information on RPL and CAT, see the chapter "General information" at the beginning of this book.

Selection

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

Should the applicants who meet the admission requirements exceed the capacity of the School, the criteria of the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

Application procedure and closing date

You must apply at www.maties.com – only online applications will be accepted. Apply before **15 December** of the year before your intended studies or contact the programme administrator to enquire about late application.

Duration and offering type of programme

Full-time (minimum duration of one year).
Part-time (two years).

Programme's mode of delivery

Hybrid learning; for this reason, it is also possible to enrol for this programme part-time.

Further study possibilities

After completing the Advanced Diploma in Public Accountability, you may apply for admission to the BPubAdminHons.

Programme structure

You must attend two consecutive contact weeks at the Bellville Park campus in each of the two semesters. Contact weeks are supplemented by interactive online sessions via applicable interactive electronic learning platforms.

Enquiries

Programme leader: Ms Deyana Isaacs
School of Public Leadership
Tel: 021 918 4131
E-mail: disaacs@spl.sun.ac.za

Website: www.sun.ac.za/english/faculty/economy/spl

Programme content

You must earn at least 120 credits.

Compulsory modules

Applied Institutional Capacity Management	173(20)
Applied Institutional Collaboration	175(20)
Applied Public Accountability	171(20)
Managing Institutional Performance	172(20)
Personal Conduct and Integrity	174(20)

Elective modules

Choose one of the following modules:

Applied Compliance and Control	176(20)
Applied Public Financial Accounting	177(20)

3.2 Advanced Diploma in Sustainable Development

Admission requirements

- A diploma (NQF level 6) or bachelor's degree (NQF level 7) from a recognised tertiary institution in subjects/fields aligned with the focus of the Advanced Diploma, for example sustainable development, entrepreneurship, business studies, economics or innovation.

Further requirement

- Access to a computer and stable internet connection for online learning.

Selection

A selection process is followed internally by the School of Public Leadership. The number of students selected will be influenced by, among other things, staff capacity and the availability of resources within the School, as well as academic merit and University transformation objectives. Since staff capacity and resources may fluctuate from year to year, the number of students selected may also differ from year to year.

A committee selects applicants based on a combined score. The combined score is derived from your academic merit, and the interest and experience you demonstrate in key areas (indicated in the departmental application form). Key areas include sustainable development, social and environmental justice, entrepreneurial mindset, creativity and leadership.

Application procedure and closing date

The number of applicants who are interested to register for this programme in a particular year will determine whether this programme is offered or not. Applications open in April and we will confirm by 31 July whether it will be offered.

Apply by **31 July** of the year before your intended studies. You must complete two applications:

1. The official University application, available from www.maties.com.
2. The departmental application, which will be sent to you by e-mail within three weeks after you have completed the University application.

Duration and offering type of programme

Full-time (minimum duration of one year).

Programme's mode of delivery

Hybrid (one compulsory face-to-face (F2F) block of five days per term at Lynedoch, Stellenbosch, with synchronous and self-directed online learning throughout the year).

Enquiries

Programme leader: Dr Ruenda Loots

School of Public Leadership

Tel: 021 881 3952

E-mail: ruenda@sun.ac.za

Website: www.sun.ac.za/english/faculty/economy/spl

Programme structure

This programme runs from February to November and uses three modes of instruction:

- Self-directed online learning at your own pace, *with*
- Synchronous online sessions throughout the programme, *and*
- One compulsory face-to-face learning block per term (5 days each, 4 per year).

Online learning: You will need to allocate approximately 6 hours per day to complete content. There will be a range of synchronous activities and self-directed content.

Face-to-face learning (F2F learning): You will need to attend class in person for one week per term (early March, mid-May, mid-August and mid-October). All classes are presented at the Sustainability Institute's praxis hub at the Lynedoch Ecovillage. Our aim is to immerse you practically in the world of sustainability through a lived experience. Interactive teaching methods are used during contact sessions. This includes facilitated discussions, case method learning and various kinds of structured group work. The main aim of this teaching approach is to complement theory with experiential learning that builds your capacity for critical thinking, creativity, collaboration and practical wisdom.

Programme content

You must earn at least 120 credits.

All modules are compulsory.

Business Plans and Strategies	121(15)
Entrepreneurship Incubator	151(60)
Research Approaches	131(15)
Sustainability in the Digital Age	111(30)

4. Broad degree programmes

4.1 BCom programme

This programme is the broadest programme in the Faculty. It will be conferred on students who wish to articulate (that is, changeover) to the BCom from any other Economic and Management Sciences programme in the Faculty. This means that first-year students cannot register for the BCom programme. If you are interested in a broad programme, we advise that you register for the BCom (Management Sciences).

If you want to articulate to the BCom during the course of your second or third year (before July), you will have to discuss it with the faculty administrator. You will obtain the BCom degree if you meet the following requirements:

- You must complete the minimum prescribed credits per year (see "Summary of undergraduate programmes and their credit loads" above):
 - 120 credits for Year 1
 - 120 credits for Year 2
 - 120 credits for Year 3
- You must pass the compulsory modules of the first year (see the BCom (Management Sciences) programme); and
- You must pass one major from the third year.

Please ask any one of the faculty administrators if you need further advice on articulation (that is, changing over from another programme to the BCom):

Ms Lauren Delport
Administrative Building A
Office number: A2035
Tel: 021 808 9111
E-mail: laurend@sun.ac.za

Ms Bomikazi Kohli
Administrative Building A
Office number: A2036
Tel: 021 808 9111
E-mail: kohli@sun.ac.za

Ms Carol Blaauw
Administrative Building A
Office number: A3001a
Tel: 021 808 9111
E-mail: mailto:
carolc@sun.ac.za

4.2 BCom (Management Sciences) programme

4.2.1 BCom (Management Sciences): General

Admission requirements

- An overall National Senior Certificate average of at least 65%, excluding Life Orientation
- Mathematics 60%
- One of the following:
 - Afrikaans Home Language 50% *or*
 - English Home Language 50% *or*
 - Afrikaans First Additional Language 60% *or*
 - English First Additional Language 60%

Selection

The number of students selected is determined by the Faculty's enrolment plan and may differ from year to year.

Should the applicants who meet the admission requirements exceed the capacity of the Faculty's enrolment plan, the criteria of the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

Application procedure and closing date

Apply electronically at www.maties.com by **31 July** of the year before your intended studies. For more on the application and admission process, see section 1 of this chapter.

Duration and offering type of programme

Three years, full-time.

Programme's mode of delivery

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

Enquiries

To find out more about admission, selection and the registration procedure, module options and credit requirements, contact one of the faculty administrators:

Ms Lauren Delpont
Administrative Building A
Office number: A2035
Tel: 021 808 9111
E-mail: laurend@sun.ac.za

Ms Bomikazi Kohli
Administrative Building A
Office number: A2036
Tel: 021 808 9111
E-mail: kohli@sun.ac.za

Ms Carol Blaauw
Administrative Building A
Office number: A3001a
Tel: 021 808 9111
E-mail: carolc@sun.ac.za

For general enquiries about the academic content of the programme, please contact the programme leader:

Prof Christo Boshoff
Department of Business Management
Tel: 021 808 2026
E-mail: cboshoff@sun.ac.za

Website: www.sun.ac.za/english/faculty/economy/business-management

For enquiries about the academic content of a specific focal area, please use the following contact details:

Agricultural Economics focal area

Dr Cecilia Punt
Department of Agricultural Economics
Tel: 021 808 9187
E-mail: puntc@sun.ac.za

Business Analytics focal area

Dr Isabelle Nieuwoudt
Department of Logistics
Tel: 021 808 3936
E-mail: isabelle@sun.ac.za

Entrepreneurship and Innovation Management, Financial Management, Financial Planning, Investment Management and Marketing Management focal areas

Prof Christo Boshoff
Department of Business Management
Tel: 021 808 2026
E-mail: cboshoff@sun.ac.za

Human Resource Management focal area

Ms Marietha de Wet
Department of Industrial Psychology
Tel: 021 808 3019
E-mail: mdew@sun.ac.za

Information Systems Management focal area

Dr Douglas Parry
Department of Information Science, Faculty of Arts and Social Sciences
Tel: 021 808 2423
E-mail: dougaparry@sun.ac.za

Logistics and Supply Chain Management focal area

Prof Leila Goedhals-Gerber
Department of Logistics
Tel: 021 808 2252
E-mail: leila@sun.ac.za

Public and Development Management focal area

Ms Ashlene van der Berg-Ross
School of Public Leadership
Tel: 021 808 2148
E-mail: ashlene@spl.sun.ac.za

Programme structure

The BCom (Management Sciences) programme offers you broad and open-ended choices of modules. In choosing your modules, please take note of the stipulations regarding timetable clashes in the general section at the beginning of this chapter.

It is also possible within this programme to focus on a specific area of study, called a focal area.

Focal areas

The objective of focal areas is to help you choose a specific career focus within the BCom (Management Sciences) programme. The focal area is not a programme, and the module combination is only a recommendation for you to make more focussed module choices. The module choices in the tables describing each focal area fit in with the lecture and assessment timetables, but you are still free to take other module combinations in the broader programme if lecture and assessment timetables allow it.

As a first-year student, you will be able to e-register for a focal area within the broad programme. If you complete all the compulsory modules of the focal area, (in each year) the focal area will be indicated on your academic transcript. If you wish to choose other module combinations (as listed in the general programme option), you may do so only if timetables allow for it, and you will have to register in person with the faculty administrators in Admin A on the day of registration.

There are 11 focal areas within the BCom (Management Sciences) programme and each one is described below under "Focal areas in the BCom (Management Sciences) programme". These are:

- Agricultural Economics,
- Business Analytics,
- Entrepreneurship and Innovation Management,
- Financial Management,
- Financial Planning,
- Human Resource Management,
- Information Systems Management,
- Investment Management,
- Logistics and Supply Chain Management,
- Marketing Management, and
- Public and Development Management.

Programme content

You must earn a total of at least 374 credits.

The tables below show all the compulsory and elective modules per year for the broad BCom (Management Sciences) programme. Below these tables, you will find a description of each focal area and the recommended modules for each of them.

For a description of individual module contents, see the chapter "Subjects, Modules and Module Contents" at the end of this book.

First year (at least 126 credits)

Compulsory modules

Business Management	113(12), 142(6)
Economics	114(12), 144(12)
Financial Accounting	188(24)
Information Systems	112(6)
Professional Communication for EMS	144(6)
Statistics and Data Science	188(18)
Theory of Interest	152(6)

Elective modules

Choose 24 credits from the following to make up the required 126 credits.

Industrial Psychology	114(12), 144(12)
Introduction to Transport and Logistics Systems	144(12)
Philosophy	114(12), 144(12)
Political Science	114(12), 144(12)
Public and Development Management	114(12), 144(12)
Sociology	114(12), 144(12)

Second year (at least 128 credits)

Elective modules

- Choose at least three major subjects where you take all the modules in the set.
- Your three major subjects must altogether count at least 96 credits.
- Add further elective modules to make up at least 128 credits.
- You must take at least 32 credits from writing- and information-enriched modules (marked with an *).
- If you take Marketing Management 214 and 244, you must take Financial Management 214 (marked with a ^Δ). Also see the prerequisites for Marketing Management 214 and 244 in Appendix A at the back of this book.

Agricultural Economics	234(16), 242(8), 262(8)
Business Analytics	214(16), 244(16)
Economics	214(16)*, 244(16)*, 281(32)*
Entrepreneurship and Innovation Management	214(16)*, 244(16)*
Financial Accounting	288(32)
Financial Management	214(16) ^Δ , 244(16)*
Industrial Psychology	214(16), 224(16)*, 252(8), 262(8)
Information System Management	212(8), 224(16), 254(16), 262(8)
Investment Management	254(16)
Logistics and Supply Chain Management	214(16)*, 244(16)*
Marketing Management	214(16) ^Δ , 244(16) ^Δ
Mercantile Law (Commerce)	285(32)
Public and Development Management	212(8)*, 222(8)*, 242(8)*, 252(8)*
Statistics	214(16), 224(16), 244(16)
Transport Economics	214(16), 244(16)

Third year (at least 120 credits)

Elective modules

- Choose at least two complete majors (48 credits each).
- Choose further modules to make up at least 120 credits.

Agricultural Economics	314(16), 334(16), 354(16), 364(16)
Business Analytics	318(24), 348(24)
Economics	318(24), 348(24)
Entrepreneurship and Innovation Management	318(24), 348(24)
Financial Accounting	389(48)
Financial Management	314(12), 332(12), 352(12), 354(12)
Financial Planning	314(24), 344(24)
Human Capital Metrics	344(12)
Industrial Psychology	314(12), 324(12), 348(24)
Information System Management	314(18), 334(18), 354(18), 364(18)
Introduction to Intercultural Communication	344(12)
Investment Management	314(12), 324(12), 344(12), 348(12), 354(12)
Logistics and Supply Chain Management	314(12), 324(12), 344(12), 354(12)
Management of Corporate Social Responsibility	314(12)
Marketing Management	314(12), 324(12), 344(12), 354(12)
Project Management	314(24)
Public and Development Management	314(12), 324(12), 348(24)
Statistics	318(24), 348(24)
Strategic Management	344(12)
Taxation	388(24)
Transport Economics	318(24), 348(24)

4.2.2 Focal areas in the BCom (Management Sciences) programme

4.2.2.1 Agricultural Economics

Description of focal area

Agricultural Economics is an interdisciplinary field that entails studying the application of economic and management sciences to the production and marketing of agricultural and food products. Agricultural Economics unlocks professional occupations in the growing domestic and international agricultural and food industries. A BCom (Management Sciences) qualification with the focal area Agricultural Economics will equip you for sought-after professional occupations, including general management, financial management and logistical management in the entire food value chain, from agricultural input delivery, financial services, agribusinesses involved in production, distribution and marketing to food processing and production businesses.

BCom (Management Sciences)		
Focal area: Agricultural Economics		
First year (126 credits)	Second year*** (at least 128 credits)	Third year (at least 120 credits)
<p>Compulsory modules Business Management 113(12), 142(6) Economics 114(12), 144(12) Financial Accounting 188(24) Information Systems 112(6) Professional Communication for EMS 144(6) Statistics and Data Science 188(18) Theory of Interest 152(6)</p> <p>Recommended elective modules <i>Plus any 24 credits from the following:</i> Industrial Psychology 114(12), 144(12) Introduction to Transport and Logistics Systems 144(12) Philosophy 114(12), 144(12) Political Science 114(12), 144(12) Public and Development Management 114(12), 144(12) Sociology 114(12), 144(12)</p>	<p>Compulsory modules Agricultural Economics^f 234(16), 242(8), 262(8) Financial Management 214(16) ^Δ Investment Management 254(16)</p> <p>Recommended elective modules <i>Plus at least 64 credits that must be from two subjects:</i> Economics 214(16)*, 244(16)* Financial Accounting 288(32) Logistics and Supply Chain Management 214(16)*, 244(16)* Marketing Management ^Δ 214(16)*, 244(16)*</p>	<p>Compulsory modules Agricultural Economics^f 314(16), 334(16), 354(16), 364(16)</p> <p>Recommended elective modules <i>A further 56 credits from the list below of which a minimum of 48 credits must be from one subject:</i> Economics 318(24), 348(24) Financial Management 314(12), 332(12), 352(12), 354(12) Introduction to Intercultural Communication 344(12) Logistics and Supply Chain Management 314(12), 324(12), 344(12), 354(12) Marketing Management 314(12), 324(12), 344(12), 354(12)</p>

*** You must take at least 32 credits from writing- and information-enriched modules (marked with an *).

^f To qualify for the BAgricAdminHons programme, you must take two full majors (all credits) until your final year. Agricultural Economics must be one of these.

^Δ If you take Marketing Management 214 and 244, you must take Financial Management 214. Also see the prerequisites for Marketing Management 214 and 244 in Appendix A at the back of this book.

4.2.2.2 Business Analytics

Description of focal area

Study in this focal area will equip you with a combination of management and analytical capabilities to be highly competitive in the business world. The aim is to educate managers and analysts who will, after adequate experience, be able to analyse, provide insight from data and manage business functions and processes within the firm at the strategic, tactical and operational level. They will be able to find decisions quantitatively in order to help maximise the firm's wealth.

BCom (Management Sciences)		
Focal area: Business Analytics		
First year (126 credits)	Second year*** (at least 128 credits)	Third year (at least 120 credits)
<p>Compulsory modules Business Management 113(12), 142(6) Economics 114(12), 144(12) Financial Accounting 188(24) Information Systems 112(6) Professional Communication for EMS 144(6) Statistics and Data Science 188(18) Theory of Interest 152(6)</p> <p>Recommended elective modules <i>Plus any 24 credits from the following:</i> Industrial Psychology 114(12), 144(12) Introduction to Transport and Logistics Systems 144(12)</p>	<p>Compulsory modules Business Analytics 214(16), 244(16)</p> <p>Recommended elective modules <i>Plus 96 credits of which 64 credits must be from two subjects:</i> Financial Accounting 288(32) Financial Management <i>f</i> 214(16)^Δ, 244(16)* Logistics and Supply Chain Management 214(16)*, 244(16)* Marketing Management ^Δ 214(16)*, 244(16)* Transport Economics <i>f</i> 214(16), 244(16)</p>	<p>Compulsory modules Business Analytics 318(24), 348(24)</p> <p>Recommended elective modules <i>A further 72 credits from the list below of which 48 credits must be from one subject:</i> Logistics and Supply Chain Management 314(12), 324(12), 344(12), 354(12) Marketing Management 314(12), 324(12), 344(12), 354(12) Project Management 314(24) Transport Economics 318(24), 348(24)</p>

*** You must take at least 32 credits from writing- and information-enriched modules (marked with an *).

f Financial Management 214(16) and 244(16) cannot be taken with Transport Economics 214(16) and 244(16).

^Δ If you take Marketing Management 214 and 244, you must take Financial Management 214. Also see the prerequisites for Marketing Management 214 and 244 in Appendix A at the back of this book.

4.2.2.3 Entrepreneurship and Innovation Management

Description of focal area

This focal area helps to turn you towards possibly establishing your own business in future and not striving to achieve so-called work security in the form of a fixed appointment. Four important themes are covered in the second and third year: Introduction to Entrepreneurship; Small Business Management; Creativity and Innovation Management; and Strategic and Corporate Entrepreneurship.

BCom (Management Sciences)		
Focal area: Entrepreneurship and Innovation Management		
First year (126 credits)	Second year*** (at least 128 credits)	Third year (at least 120 credits)
<p>Compulsory modules Business Management 113(12), 142(6) Economics 114(12), 144(12) Financial Accounting 188(24) Information Systems 112(6) Professional Communication for EMS 144(6) Statistics and Data Science 188(18) Theory of Interest 152(6)</p> <p>Recommended elective modules <i>Plus any 24 credits from the following:</i> Industrial Psychology 114(12), 144(12) Introduction to Transport and Logistics Systems 144(12) Philosophy 114(12), 144(12) Political Science 114(12), 144(12) Public and Development Management 114(12), 144(12) Sociology 114(12), 144(12)</p>	<p>Compulsory modules Entrepreneurship and Innovation Management 214(16)*, 244(16)*</p> <p>Recommended elective modules <i>Plus 96 credits of which at least 64 credits must be from two subjects:</i> Economics 214(16)*, 244(16)* Financial Management 214(16)^Δ, 244(16)* Industrial Psychology 224(16)*, 252(8), 262(8) Logistics and Supply Chain Management 214(16)*, 244(16)* Marketing Management ^Δ 214(16)*, 244(16)*</p>	<p>Compulsory modules Entrepreneurship and Innovation Management 318(24), 348(24) Management of Corporate Social Responsibility 314(12) Strategic Management 344(12)^f</p> <p>Recommended elective modules <i>A further 48 credits from one subject in the list below:</i> Financial Management 314(12), 332(12), 352(12), 354(12) Industrial Psychology 314(12), 324(12), 348(24) Marketing Management 314(12), 324(12), 344(12), 354(12)</p>

*** You must take at least 32 credits from writing- and information-enriched modules (marked with an *).

^Δ If you take Marketing Management 214 and 244, you must take Financial Management 214. Also see the prerequisites for Marketing Management 214 and 244 in Appendix A at the back of this book.

^f Strategic Management 344(12) is a prerequisite for the BComHons (Business Management) with specialisation in Strategy and Innovation.

4.2.2.4 Financial Management

Description of focal area

This focal area is geared to employment in the private sector where specialised knowledge of financial management and analysis is required. Financial Management focuses on the following: Financial Planning and Control; Financial Management Research; Capital Investments; Mergers and Acquisitions. Career possibilities include financial director; financial advisor; or financial analyst.

BCom (Management Sciences)		
Focal area: Financial Management		
First year (126 credits)	Second year*** (at least 128 credits)	Third year (at least 120 credits)
<p>Compulsory modules Business Management 113(12), 142(6) Economics 114(12), 144(12) Financial Accounting 188(24) Information Systems 112(6) Professional Communication for EMS 144(6) Statistics and Data Science 188(18) Theory of Interest 152(6)</p> <p>Recommended elective modules <i>Plus any 24 credits from the following:</i> Industrial Psychology 114(12), 144(12) Introduction to Transport and Logistics Systems 144(12) Philosophy 114(12), 144(12) Political Science 114(12), 144(12) Public and Development Management 114(12), 144(12) Sociology 114(12), 144(12)</p>	<p>Compulsory modules Financial Management 214(16) ^Δ Financial Management 244(16)* <i>or</i> Investment Management 254(16)</p> <p>Recommended elective modules <i>Plus 96 credits of which 64 credits must be from two subjects:</i> Economics 214(16)*, 244(16)* Entrepreneurship and Innovation Management 214(16)*, 244(16)* Financial Accounting 288(32) Marketing Management ^Δ 214(16)*, 244(16)*</p>	<p>Compulsory modules Financial Management 314(12), 332(12), 352(12), 354(12)</p> <p>Recommended elective modules <i>A further 72 credits from the list below of which a minimum of 48 must be from one subject:</i> Economics 318(24), 348(24) Entrepreneurship and Innovation Management 318(24), 348(24) Financial Accounting 389(48) Management of Corporate Social Responsibility 314(12) Marketing Management 314(12), 324(12), 344(12), 354(12) Strategic Management 344(12)</p>

*** You must take at least 32 credits from writing- and information-enriched modules (marked with an *).

^Δ If you take Marketing Management 214 and 244, you must take Financial Management 214. Also see the prerequisites for Marketing Management 214 and 244 in Appendix A at the back of this book.

4.2.2.5 Financial Planning

Description of focal area

The focal area Financial Planning has specifically been developed to enable you to enrol for the Postgraduate Diploma in Financial Planning after obtaining the BCom (Management Sciences) degree. More information on this diploma programme can be found in the chapter "Postgraduate Programmes" in this book. If you complete the postgraduate diploma successfully, you may write the entrance examination for the CFP® (Certified Financial Planner®) designation, which is internationally recognised. More information on the CFP designation can be found at www.fpi.co.za.

BCom (Management Sciences)		
Focal area: Financial Planning		
First year (126 credits)	Second year*** (128 credits)	Third year (120 credits)
<p>Compulsory modules</p> <p>Business Management 113(12), 142(6) Economics 114(12), 144(12) Financial Accounting 188(24) Information Systems 112(6) Professional Communication for EMS 144(6) Statistics and Data Science 188(18) Theory of Interest 152(6)</p> <p>Recommended elective modules <i>Plus any 24 credits from the following:</i> Industrial Psychology 114(12), 144(12) Introduction to Transport and Logistics Systems 144(12) Philosophy 114(12), 144(12) Political Science 114(12), 144(12) Public and Development Management 114(12), 144(12) Sociology 114(12), 144(12)</p>	<p>Compulsory modules</p> <p>Economics 214(16)*, 244(16)* Financial Accounting 288(32) Financial Management 214(16) Investment Management 254(16) Mercantile Law (Commerce) 285(32)</p>	<p>Compulsory modules</p> <p>Financial Planning 314(24), 344(24) Investment Management 314(12), 324(12), 344(12) Investment Management 348(12) or 354(12) Taxation 388(24)</p>

*** You must take at least 32 credits from writing- and information-enriched modules (marked with an *).

4.2.2.6 Human Resource Management

Description of focal area

The human resource function is responsible for acquiring, developing, and maintaining a competent and engaged work force, as well as managing labour relations effectively. An organisation's success depends on the quality of its work force and on how that work force is utilised and managed, that is why human resource management is so important. This focal area prepares you to address people-related opportunities and risks in a way that will make you a strategic business partner in the organisation you serve.

BCom (Management Sciences)		
Focal area: Human Resource Management		
First year (126 credits)	Second year*** (at least 128 credits)	Third year (at least 120 credits)
Compulsory modules Business Management 113(12), 142(6) Economics 114(12), 144(12) Financial Accounting 188(24) Industrial Psychology 114(12), 144(12) Information Systems 112(6) Professional Communication for EMS 144(6) Statistics and Data Science 188(18) Theory of Interest 152(6)	Compulsory modules Industrial Psychology 214(16), 224(16)*, 252(8), 262(8) Recommended elective modules <i>Plus 80 credits of which at least 64 credits must be from two subjects:</i> Business Analytics 214(16), 244(16) Economics 214(16)*, 244(16)* Entrepreneurship and Innovation Management 214(16)*, 244(16)* Financial Accounting 288(32), Financial Management 214(16) ^Δ , 244(16)* Information System Management 224(16), 254(16), 262(8) Logistics and Supply Chain Management 214(16)*, 244(16)* Marketing Management ^Δ 214(16)*, 244(16)*	Compulsory modules Human Capital Metrics 344(12) Industrial Psychology 314(12), 324(12), 348(24) Additional major subject <i>A further 48 credits from the list below from one subject:</i> Entrepreneurship and Innovation Management 318(24), 348(24) Financial Management 314(12), 332(12), 352(12), 354(12) Marketing Management 314(12), 324(12), 344(12), 354(12) Recommended elective modules <i>Plus modules below to make up 120 credits:</i> Introduction to Intercultural Communication 344(12) Management of Corporate Social Responsibility 314(12) Strategic Management 344(12)

*** You must take at least 32 credits from writing- and information-enriched modules (marked with an *).

^Δ If you take Marketing Management 214 and 244, you must take Financial Management 214. Also see the prerequisites for Marketing Management 214 and 244 in Appendix A at the back of this book.

4.2.2.7 Information Systems Management

Description of focal area

Knowledge is increasingly becoming the deciding factor in advanced economic activities around the world, spurred on to a large extent by the rapid progress in computational power. For organisations today, information is primarily computer-processed expressions of knowledge through which productive work is facilitated. But because organisations are complex phenomena and because of the complicated nature of computer technology and the information systems they support, the management of information poses difficult but also fascinating challenges. Please refer to www.informatics.sun.ac.za for more information.

BCom (Management Sciences)		
Focal area: Information Systems Management		
First year (126 credits)	Second year*** (at least 128 credits)	Third year (at least 120 credits)
<p>Compulsory modules Business Management 113(12), 142(6) Economics 114(12), 144(12) Financial Accounting 188(24) Information Systems 112(6) Professional Communication for EMS 144(6) Statistics and Data Science 188(18) Theory of Interest 152(6)</p> <p>Recommended elective modules <i>Plus any 24 credits from the following:</i> Industrial Psychology 114(12), 144(12) Introduction to Transport and Logistics Systems 144(12)</p>	<p>Compulsory modules Information Systems Management 212(8), 224(16), 254(16), 262(8)</p> <p>Recommended elective modules <i>Plus 80 credits of which at least 64 credits must be from two subjects:</i> Business Analytics 214(16), 244(16) Entrepreneurship and Innovation Management 214(16)*, 244(16)* Financial Management 214(16)^Δ, 244(16)* Logistics and Supply Chain Management 214(16)*, 244(16)* Marketing Management ^Δ 214(16)*, 244(16)*</p>	<p>Compulsory modules Information Systems Management 314(18), 334(18), 354(18), 364(18)</p> <p>Recommended elective modules <i>A further 48 credits from the list below from one subject:</i> Entrepreneurship and Innovation Management 318(24), 348(24) Financial Management 314(12), 332(12), 352(12), 354(12) Logistics and Supply Chain Management 314(12), 324(12), 344(12), 354(12)</p>

*** You must take at least 32 credits from writing- and information-enriched modules (marked with an *).

^Δ If you take Marketing Management 214 and 244, you must take Financial Management 214. Also see the prerequisites for Marketing Management 214 and 244 in Appendix A at the back of this book.

4.2.2.8 Investment Management

Description of focal area

The focal area Investment Management is specifically developed to enable you to study successfully for Level 1 of the examination for the international Chartered Financial Analyst® (CFA®) qualification, after you have completed a BCom (Management Sciences) with this focal area. The international CFA is a qualification focussed on portfolio management and investment analysis (shares, bonds, derivative instruments and real estate). All the learning outcomes of Level 1 of the CFA examinations are covered in the second- and third-year modules in Investment Management, the second-year modules in Economics, Financial Management and Financial Accounting, and the modules of the generic first-year BCom (Management Sciences) programme. If you successfully complete a BCom (Management Sciences) programme with these modules, you may be considered for honours studies, where the learning outcomes of Level 2 and 3 of the international CFA examinations are covered. Complete information on the CFA programme is available at www.cfainstitute.org (click on "CFA program").

BCom (Management Sciences)		
Focal area: Investment Management		
First year (126 credits)	Second year *** (144 credits)	Third year (at least 120 credits)
<p>Compulsory modules Business Management 113(12), 142(6) Economics 114(12), 144(12) Financial Accounting 188(24) Information Systems 112(6) Professional Communication for EMS 144(6) Statistics and Data Science 188(18) Theory of Interest 152(6)</p> <p>Recommended elective modules <i>Plus any 24 credits from the following:</i> Industrial Psychology 114(12), 144(12) Introduction to Transport and Logistics Systems 144(12) Philosophy 114(12), 144(12) Political Science 114(12), 144(12) Public and Development Management 114(12), 144(12) Sociology 114(12)</p>	<p>Compulsory modules Economics 214(16)*, 244(16)* Financial Accounting 288(32) Financial Management 214(16) Investment Management 254(16) Statistics 214(16), 224(16), 244(16)</p>	<p>Compulsory modules Investment Management 314(12), 324(12), 344(12), 348(12), 354(12)</p> <p>Recommended elective modules <i>A further 60 credits from the list below of which a minimum of 48 must be from one subject:</i> Economics 318(24), 348(24) Financial Management 314(12)*, 332(12)*, 352(12), 354(12) Financial Planning 314(24), 344(24) Statistics 318(24)[§], 348(24)[§]</p>

*** You must take at least 32 credits from writing- and information-enriched modules (marked with an *).

If you choose Financial Management 314(12) and 332(12), you can use this programme to qualify for the BComHons (Business Management): Specialisation in Financial Analysis programme. Also see Appendix B at the back of this book for the prerequisites for the BComHons (Business Management): Specialisation in Financial Analysis.

§ If you choose Statistics 318(24) and 348(24), you can use this programme to qualify for the BComHons (Statistics) programme. Also see the prerequisites for BComHons (Statistics) in Appendix B at the back of this book.

4.2.2.9 Logistics and Supply Chain Management

Description of focal area

This focal area aims to prepare you for the wide variety of challenging logistics and supply chain job opportunities that exists worldwide in the public sector and private businesses. From the largest vehicle manufacturing company to the smallest producer, and any business buying or selling products – they all require people with logistics and supply chain skills who can plan, organise and control logistics and supply chain activities, both locally and internationally. Service organisations (for example hospitals and restaurants) also utilise logistics and supply chain management to make sure that their clients are properly served.

BCom (Management Sciences)		
Focal area: Logistics and Supply Chain Management		
First year (126 credits)	Second year*** (at least 128 credits)	Third year (at least 120 credits)
<p>Compulsory modules Business Management 113(12), 142(6) Economics 114(12), 144(12) Financial Accounting 188(24) Information Systems 112(6) Professional Communication for EMS 144(6) Statistics and Data Science 188(18) Theory of Interest 152(6)</p> <p>Recommended elective modules <i>Plus any 24 credits from the following:</i> Industrial Psychology 114(12), 144(12) Introduction to Transport and Logistics Systems 144(12) [§]</p>	<p>Compulsory modules Logistics and Supply Chain Management 214(16)*, 244(16)*</p> <p>Recommended elective modules <i>Plus 96 credits of which at least 64 must be from two subjects:</i> Business Analytics ^f 214(16), 244(16) Financial Accounting 288(32) <i>or</i> Financial Management ^f 214(16) ^Δ, 244(16)* Industrial Psychology 224(16)*, 252(8), 262(8) Marketing Management ^Δ 214(16)*, 244(16)* Transport Economics ^f 214(16), 244(16)</p>	<p>Compulsory modules Logistics and Supply Chain Management 314(12), 324(12), 344(12), 354(12) Project Management 314(24)</p> <p>Recommended elective modules <i>A further 48 credits from the list below from one subject:</i> Business Analytics 318(24), 348(24) Marketing Management 314(12), 324(12), 344(12), 354(12) Transport Economics 318(24), 348(24)</p>

*** You must take at least 32 credits from writing- and information-enriched modules (marked with an *).

§ Introduction to Transport and Logistics Systems 144(12) is not a prerequisite but is highly recommended.

^f Only two of the following three subject groups can be taken together: Business Analytics 214(16) and 244(16) *or* Financial Management 214(16) and 244(16) *or* Transport Economics 214(16) and 244(16).

^Δ If you take Marketing Management 214 and 244, you must take Financial Management 214. Also see the prerequisites for Marketing Management 214 and 244 in Appendix A at the back of this book.

4.2.2.10 Marketing Management

Description of focal area

The Marketing Management focal area and its instruction is based on the following: marketing theory; consumer behaviour; the application of theory to various aspects of marketing, with special emphasis on retail, services, promotion and marketing research; and the development of a management orientation in approaching marketing challenges. Career possibilities include marketing manager; advertising manager; promotions manager; brand manager; and marketing researcher. The focal area is continuously adapted to keep up with modern technologies such as the internet's impact and its advantages for marketing. A variety of modules in other areas form part of the compulsory modules or are available as electives.

BCom (Management Sciences)		
Focal area: Marketing Management		
First year (126 credits)	Second year*** (at least 128 credits)	Third year (at least 120 credits)
<p>Compulsory modules</p> <p>Business Management 113(12), 142(6)</p> <p>Economics 114(12), 144(12)</p> <p>Financial Accounting 188(24)</p> <p>Industrial Psychology 114(12), 144(12)</p> <p>Information Systems 112(6)</p> <p>Professional Communication for EMS 144(6)</p> <p>Statistics and Data Science 188(18)</p> <p>Theory of Interest 152(6)</p>	<p>Compulsory modules</p> <p>Marketing Management ^Δ 214(16)*, 244(16)*</p> <p>Recommended elective modules</p> <p><i>Plus 96 credits from which at least 64 credits must be from two subjects:</i></p> <p>Economics 214(16)*, 244(16)*</p> <p>Entrepreneurship and Innovation Management 214(16)*, 244(16)*</p> <p>Financial Management 214(16) ^Δ, 244(16)*</p> <p>Industrial Psychology 224(16)*</p> <p>Logistics and Supply Chain Management 214(16)*, 244(16)*</p>	<p>Compulsory modules</p> <p>Marketing Management 314(12), 324(12), 344(12), 354(12)</p> <p>Recommended elective modules</p> <p><i>A further 72 credits from the list below of which a minimum of 48 must be from one subject:</i></p> <p>Entrepreneurship and Innovation Management 318(24), 348(24)</p> <p>Industrial Psychology 314(12), 324(12), 348(24)</p> <p>Logistics and Supply Chain Management 314(12), 324(12), 344(12), 354(12)</p> <p>Management of Corporate Social Responsibility 314(12)</p> <p>Strategic Management 344(12)</p>

*** You must take at least 32 credits from writing- and information-enriched modules (marked with an *).

^Δ If you take Marketing Management 214 and 244, you must take Financial Management 214. Also see the prerequisites for Marketing Management 214 and 244 in Appendix A at the back of this book.

4.2.2.11 Public and Development Management

Description of focal area

Like many other developing countries, South Africa faces complex developmental and public policy challenges. These demand collaborative action by the public, business and voluntary sectors, along with broader civil society at local, provincial, national, and global levels. These complexities include social, economic, environmental developmental, and public policy challenges; for example, gender-based violence, racism, poverty, unemployment, inequality, the climate emergency, and the perils and possibilities associated with the Fourth Industrial Revolution.

Public and Development Management provides exposure and insight into these challenges, specifically in southern developing countries. It helps future practitioners to develop embodied policy responses and manage the implementation of such responses effectively, efficiently and equitably.

BCom (Management Sciences)		
Focal area: Public and Development Management		
First year (126 credits)	Second year *** (at least 128 credits)	Third year (at least 120 credits)
Compulsory modules Business Management 113(12), 142(6) Economics 114(12), 144(12) Financial Accounting 188(24) Information Systems 112(6) Professional Communication for EMS 144(6) Public and Development Management 114(12), 144(12) Statistics and Data Science 188(18) Theory of Interest 152(6)	Compulsory modules Economics 214(16)*, 244(16)*, 281(32)* Public and Development Management 212(8)*, 222(8)*, 242(8)*, 252(8)* Recommended elective modules <i>Plus 32 credits from one subject:</i> Financial Management 214(16) ^Δ , 244(16)* Industrial Psychology 224(16)*, 252(8), 262(8) Marketing Management ^Δ 214(16)*, 244(16)* Transport Economics 214(16), 244(16)	Compulsory modules Economics 318(24), 348(24) Public and Development Management 314(12), 324(12), 348(24) Recommended elective modules <i>Plus modules below to make up 120 credits:</i> Industrial Psychology 348(24) <i>Or</i> Introduction to Intercultural Communication 344(12) and Management of Corporate Social Responsibility 314(12) <i>Or</i> Project Management 314 (24)

***You must take at least 32 credits from writing- and information-enriched modules (marked with an *).

^Δ If you take Marketing Management 214 and 244, you must take Financial Management 214. Also see the prerequisites for Marketing Management 214 and 244 in Appendix A at the back of this book.

4.3 BCom (Economic Sciences) programme

4.3.1 BCom (Economic Sciences): General

Admission requirements

- Overall National Senior Certificate average of at least 65%, excluding Life Orientation
- Mathematics 60%
- One of the following:
 - Afrikaans Home Language 50% *or*
 - English Home Language 50% *or*
 - Afrikaans First Additional Language 60% *or*
 - English First Additional Language 60%

Selection

The number of students selected is determined by the Faculty's enrolment plan and may differ from year to year.

Should the applicants who meet the admission requirements exceed the capacity of the Faculty's enrolment plan, the criteria of the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

Application procedure and closing date

Apply electronically at www.maties.com by **31 July** of the year before your intended studies. For more on the application and admission process, see section 1 of this chapter.

Duration and offering type of programme

Three years, full-time.

Programme's mode of delivery

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

Enquiries

To find out more about admission, selection and registration procedures, module options and credit requirements, contact one of the faculty administrators:

Ms Lauren Delpont
Administrative Building A
Office number: A2035
Tel: 021 808 9111
E-mail: laurend@sun.ac.za

Ms Bomikazi Kohli
Administrative Building A
Office number: A2036
Tel: 021 808 9111
E-mail: kohli@sun.ac.za

Ms Carol Blaauw
Administrative Building A
Office number: A3001a
Tel: 021 808 9111
E-mail: carolc@sun.ac.za

For general enquiries about the academic content of the programme, please contact the programme leader:

Dr Eldridge Moses
Department of Economics
Tel: 021 808 2228
E-mail: eldridge@sun.ac.za
Website: www.ekon.sun.ac.za

For enquiries about the academic content of a specific focal area, please use the following contact details:

Econometrics, Economic and Management Consultation and Financial Sector focal areas:

Dr Eldridge Moses
Department of Economics
Tel: 021 808 2228
E-mail: eldridge@sun.ac.za

Transport Economics focal area:

Mr Melrick October
Department of Logistics
Tel: 021 808 2412
E-mail: mcoctober@sun.ac.za

Programme structure

The BCom (Economic Sciences) programme offers you a relatively free choice of modules. In choosing your modules, please take note of the stipulations regarding timetable clashes in the general section at the beginning of this chapter.

It is also possible within this programme to focus on a specific area of study, called a focal area.

Focal areas

The objective of focal areas is to help you choose a specific career focus within the BCom (Economic Sciences) programme. The focal area is not a programme, and the module combination is only a recommendation for you to make more focussed module choices. The module choices in the tables describing each focal area fit in with the lecture and assessment timetables, but you are still free to take other module combinations in the broader programme if lecture and assessment timetables allow it.

There are four focal areas within the BCom (Economic Sciences) programme and each one is described below under "Focal areas in the BCom (Economic Sciences) programme". These are:

- Econometrics,
- Economic and Management Consultation,
- Financial Sector, and
- Transport Economics.

Programme content

You must earn a total of at least 368 credits.

The tables below show all the compulsory and elective modules per year for the broad BCom (Economic Sciences) programme. Below these tables, you will find a description of each focal area and the recommended modules for each of them.

For a description of individual module contents, see the chapter "Subjects, Modules and Module Contents" at the end of this book.

First year (120 or 128 credits)

Compulsory modules

Statistics and Data Science	188(18)
Theory of Interest	152(6)

Or

Actuarial Science	112(8)
Mathematics	114(16), 144(16)
Probability Theory and Statistics	144(16)

Plus

Business Management	113(12), 142(6)
Economics	114(12), 144(12)
Financial Accounting	188(24)
Information Systems	112(6)

Elective modules

If you choose Statistics and Data Science 188 and Theory of Interest 152 above, then also choose 24 credits from the following.

Geo-Environmental Science	124(16), 154(16)
Industrial Psychology	114(12), 144(12)
Introduction to Transport and Logistics Systems	144(12)
Philosophy	114(12), 144(12)
Political Science	114(12), 144(12)
Professional Communication for EMS	144(6)
Public and Development Management	114(12), 144(12)
Sociology	114(12), 144(12)

Second year (128 or 144 credits)**Compulsory modules**

Statistics	214(16), 224(16), 244(16)
------------	---------------------------

Or

Mathematical Statistics	214(16), 245(8), 246(8)
-------------------------	-------------------------

Plus

Economics	214(16), 244(16)
Economics	281(32) <i>or</i>
Transport Economics	214(16), 244(16)

Elective modules

- Choose elective modules to make up the required minimum of 128 credits.
- Choose your modules so that there are no class, test or assessment timetable clashes.
- If you take Marketing Management 214 and 244, you must take Financial Management 214 (marked with a ^Δ). Also see the prerequisites for Marketing Management 214 and 244 in Appendix A at the back of this book.

Actuarial Science	211(18)
Business Analytics	214(16), 244(16)
Financial Accounting	288(32)
Financial Management	214(16) ^Δ
Financial Risk Management	212(8), 242(8), 252(6)
Industrial Psychology	214(16), 224(16), 252(8), 262(8)
Investment Management	254(16) <i>or</i>
Financial Management	244(16)
Logistics and Supply Chain Management	214(16), 244(16)
Marketing Management	214(16) ^Δ , 244(16) ^Δ
Mathematics	214(16), 244(16)
Mercantile Law (Commerce)	285(32)
Operations Research	214(16), 244(16)
Philosophy	214(16), 244(16)
Political Science	212(8), 222(8), 242(8), 252(8)
Public and Development Management	212(8), 222(8), 242(8), 252(8)
Sociology	212(8), 222(8), 242(8), 252(8)

Third year (at least 120 credits)**Compulsory modules**

Economics	318(24), 348(24)
Economics	388(24) <i>or</i>
Transport Economics	318(24), 348(24)

Elective modules

- Plus modules from the list below to make up at least 120 credits.
- Choose your modules so that there are no class, test or assessment timetable clashes.

Business Analytics	318(24), 348(24)
Economics	381(24)
Financial Management	314(12), 332(12), 352(12), 354(12)
Financial Mathematics	378(32)
Financial Risk Management	314(24), 344(24)
Industrial Psychology	314(12), 324(12), 348(24)
Investment Management	314(12), 324(12), 344(12), 348(12), 354(12)
Logistics and Supply Chain Management	314(12), 324(12), 344(12), 354(12)
Management of Corporate Social Responsibility	314(12)

Marketing Management	314(12), 324(12), 344(12), 354(12)
Mathematical Statistics	312(16), 316(16), 344(16), 364(16)
Mathematics	314(16), 324(16), 325(16), 344(16), 345(16), 365(16)
Operations Research	314(16), 322(16), 344(16), 352(16)
Project Management	314(24)
Public and Development Management	314(12), 324(12), 348(24)
Statistics	318(24), 348(24)
Strategic Management	344(12)
Taxation	388(24)

4.3.2 Focal areas in the BCom (Economic Sciences) programme

4.3.2.1 Econometrics

Description of focal area

Econometrics as focal area may be for you if you have a strong quantitative background and aptitude. The emphasis throughout is on advanced mathematics and statistics, which are combined with economics to give you a strong foundation for employment as an econometrician in either the financial or public sector, or at a research institution. The advanced level of mathematical and statistical knowledge will equip you with the necessary skills to be able to do sophisticated analyses.

BCom (Economic Sciences)		
Focal area: Econometrics		
First year (128 credits)	Second year (128 credits)	Third year (at least 120 credits)
Compulsory modules Actuarial Science 112(8) Business Management 113(12), 142(6) Economics 114(12), 144(12) Financial Accounting 188(24) Information Systems 112(6) Mathematics 114(16), 144(16) Probability Theory and Statistics 144(16)	Compulsory modules Economics 214(16), 244(16), 281(32) Mathematical Statistics 214(16), 245(8), 246(8) Recommended elective modules Mathematics 214(16), 244(16)	Compulsory modules Economics 318(24), 348(24), 388(24) Recommended elective modules <i>Plus modules below to make up 120 credits.</i> Financial Mathematics 378(32) [Optional extra] Mathematical Statistics 312(16), 316(16), 344(16), 364(16)

4.3.2.2 Economic and Management Consultation

Description of focal area

This combination is aimed at you if you wish to qualify as an economic or management consultant. A good knowledge of economics is combined with broad exposure to commercial and management subjects such as Mercantile Law and Industrial Psychology. This provides you with the necessary background to be able to make business-related recommendations covering a broad spectrum of fields.

BCom (Economic Sciences)		
Focal area: Economic and Management Consultation		
First year (120 credits)	Second year (144 credits)	Third year (at least 120 credits)
<p>Compulsory modules Business Management 113(12), 142(6) Economics 114(12), 144(12) Financial Accounting 188(24) Information Systems 112(6) Statistics and Data Science 188(18) Theory of Interest 152(6)</p> <p>Recommended elective modules <i>Plus 24 credits from:</i> Industrial Psychology 114(12), 144(12) Introduction to Transport and Logistics Systems 144(12) Geo-Environmental Science 124(16), 154(16) Political Science 114(12), 144(12)</p>	<p>Compulsory modules Economics 214(16), 244(16), 281(32) Statistics 214(16), 224(16), 244(16)</p> <p>Recommended elective modules <i>Plus modules below to make up 144 credits:</i> Financial Accounting 288(32) Financial Management 214(16), 244(16) # Industrial Psychology 224(16), 252(8), 262(8) Investment Management 254(16) # Mercantile Law (Commerce) 285(32)</p>	<p>Compulsory modules Economics 318(24), 348(24), 388(24)</p> <p>Recommended elective modules <i>Plus modules below to make up 120 credits.</i> Economics 381(24) Financial Management 314(12), 332(12), 352(12), 354(12) Industrial Psychology 314(12), 324(12), 348(24)</p>

These two modules cannot be taken together.

4.3.2.3 Financial Sector

Description of focal area

This combination of modules may be for you if you want to seek employment in the financial sector. As you would typically work as an economic or financial analyst, there is ongoing emphasis on mathematical and statistical skills, as well as skills that would be required to analyse investment opportunities and the financial statements of companies.

BCom (Economic Sciences)		
Focal area: Financial Sector		
First year (128 credits)	Second year (at least 128 credits)	Third year (at least 120 credits)
Compulsory modules Actuarial Science 112(8) Business Management 113(12), 142(6) Economics 114(12), 144(12) Financial Accounting 188(24) Information Systems 112(6) Mathematics 114(16), 144(16) Probability Theory and Statistics 144(16)	Compulsory modules Economics 214(16), 244(16), 281(32) Mathematical Statistics 214(16), 245(8), 246(8) Recommended elective modules <i>Plus at least 32 credits from:</i> Actuarial Science 211(18) Financial Accounting 288(32) Financial Management 214(16) [§] Financial Risk Management 212(8), 242(8), 252(6) Investment Management 254(16) [§] Mathematics 214(16), 244(16) [for Financial Risk Management 314(24), 344(24)]	Compulsory modules Economics 318(24), 348(24), 388(24) Recommended elective modules <i>Plus modules below to make up 120 credits.</i> Investment Management [§] 314(12), 324(12), 344(12), 348(12), 354(12) Financial Risk Management 314(24), 344(24) Mathematical Statistics 312(16), 316(16), 344(16), 364(16) [optional extra]

[§] To take Investment Management on third-year level, you must have taken Financial Management 214(16) and Investment Management 254(16).

4.3.2.4 Transport Economics

Description of focal area

Transport Economics deals with the optimal allocation of scarce resources within the transport sector, and between the transport sector and other sectors in the economy. We will discuss underlying economic theory and study and apply evaluation methods and decision-making theory; the aim being to equip you as a prospective transport economist in assisting with the abovementioned resource allocation in a scientific manner. You will learn about the economic principles of transport regulation, transport pricing, competition and government transport policy. Lastly, this focal area equips you with knowledge of the economic characteristics of different modes of transport and the market conditions in which transport supply takes place. This will prepare you to successfully manage a transport company.

BCom (Economic Sciences)		
Focal area: Transport Economics		
First year (120 credits)	Second year (at least 128 credits)	Third year (at least 120 credits)
<p>Compulsory modules Business Management 113(12), 142(6) Economics 114(12), 144(12) Financial Accounting 188(24) Information Systems 112(6) Statistics and Data Science 188(18) Theory of Interest 152(6)</p> <p>Recommended elective modules <i>Plus 24 credits from:</i> Geo-Environmental Science 124(16), 154(16) Industrial Psychology 114(12), 144(12) Introduction to Transport and Logistics Systems 144(12) Political Science 114(12), 144(12)</p>	<p>Compulsory modules Economics 214(16), 244(16) Transport Economics 214(16), 244(16) Statistics 214(16), 224(16), 244(16) <i>or</i> Mathematical Statistics 214(16), 245(8), 246(8)</p> <p>Recommended elective modules <i>Plus modules below to make up 128 credits.</i> Business Analytics 214(16), 244(16) Logistics and Supply Chain Management 214(16), 244(16)</p>	<p>Compulsory modules Economics 318(24), 348(24) Transport Economics 318(24), 348(24)</p> <p>Recommended elective modules <i>Plus modules below to make up 120 credits.</i> Business Analytics 318(24), 348(24) Logistics and Supply Chain Management 314(12), 324(12), 344(12), 354(12) Project Management 314(24)</p>

4.4 BCom (Mathematical Sciences) programme

4.4.1 BCom (Mathematical Sciences): General

Admission requirements

- Overall National Senior Certificate average of at least 70%, excluding Life Orientation
- Mathematics 75%
- One of the following:
 - Afrikaans Home Language 50% *or*
 - English Home Language 50% *or*
 - Afrikaans First Additional Language 60% *or*
 - English First Additional Language 60%

Selection

The number of students selected is determined by the Faculty's enrolment plan and may differ from year to year.

Should the applicants who meet the admission requirements exceed the capacity of the Faculty's enrolment plan, the criteria of the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

Application procedure and closing date

Apply electronically at www.maties.com by **31 July** of the year before your intended studies. For more on the application and admission process, see section 1 of this chapter.

Duration and offering type of programme

Three years, full-time.

Programme's mode of delivery

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

Enquiries

To find out more about admission, selection and the registration procedure, module options and credit requirements, contact one of the faculty administrators:

Ms Lauren Delpont
Administrative Building A
Office number: A2035
Tel: 021 808 9111
E-mail: laurend@sun.ac.za

Ms Bomikazi Kohli
Administrative Building A
Office number: A2036
Tel: 021 808 9111
E-mail: kohli@sun.ac.za

Ms Carol Blaauw
Administrative Building A
Office number: A3001a
Tel: 021 808 9111
E-mail: carolc@sun.ac.za

For enquiries about the academic content of the programme, please contact the programme leader:

Prof Danie Uys
Department of Statistics and Actuarial Science
Tel: 021 808 3244
E-mail: dwu@sun.ac.za

Website: www.sun.ac.za/statistics

For enquiries about the academic content of a specific focal area, please use the following contact details:

Data Science focal area

Prof Danie Uys
Department of Statistics and Actuarial Science
Tel: 021 808 3244
E-mail: dwu@sun.ac.za

Financial Risk Management focal area

Dr Mesias Alfeus
Department of Statistics and Actuarial Science
Tel: 021 808 3244
E-mail: mesias@sun.ac.za

Operations Research focal area

Dr Isabelle Nieuwoudt
 Department of Logistics
 Tel: 021 808 3969
 E-mail: isabelle@sun.ac.za

Programme structure

The BCom (Mathematical Sciences) programme offers you a relatively free choice of modules. In choosing your modules, please take note of the stipulations regarding timetable clashes in the general section at the beginning of this chapter. It is also possible within this programme to focus on a specific area of study, called a focal area.

Focal areas

The objective of focal areas is to help you choose a specific career focus within the BCom (Mathematical Sciences) programme. The focal area is not a programme, and the module combination is only a recommendation for you to make more focussed module choices. The module choices in the tables describing each focal area fit in with the lecture and assessment timetables, but you are still free to take other module combinations in the broader programme if lecture and assessment timetables allow it.

There are three focal areas within the BCom (Mathematical Sciences) programme and each one is described below under "Focal areas in the BCom (Mathematical Sciences) programme". These are:

- Data Science,
- Financial Risk Management, and
- Operations Research.

Programme content

You must earn a total of at least 372 credits.

The tables below show all the compulsory and elective modules per year for the broad BCom (Mathematical Sciences) programme. Below these table, you will find a description of each focal area and the recommended modules for each of them.

For a description of individual module contents, see the chapter "Subjects, Modules and Module Contents" at the end of this book.

First year (at least 128 credits)

Compulsory modules

Actuarial Science	112(8)
Mathematics	114(16), 144(16)
Probability Theory and Statistics	144(16)

Plus

Business Management *	113(12), 142(6)
Computer Science	113(16) <i>or</i>
Information Systems	112(6)
Economics	114(12), 144(12)
Financial Accounting	188(24)

Or

Computer Science	114(16), 144(16)
Economics	114(12), 144(12)
Financial Accounting	188(24)

* *Business Management as compulsory subject:*

Business Management 113(12) and 142(6) are compulsory for this degree programme. If you therefore choose Computer Science 114(16) and 144(16) (instead of the Business Management modules) in your first year, you will have to enrol for Business Management 113(12) and 142(6) in your second year. Any second-year modules that have Business Management 113(12) and/or 142(6) as prerequisites will then have to stand over until your third year. (See Appendix A for prerequisites.)

Second year (at least 124 credits)**Compulsory modules**

Mathematical Statistics	214(16), 245(8), 246(8)
Mathematics	214(16), 244(16)

And, if you followed and passed Computer Science 114(16) and 144(16) (instead of Business Management) in your first year, also:

Business Management	113(12), 142(6)
---------------------	-----------------

Elective modules

- Choose 64 credits of which at least 32 credits must be from a single subject.
or
- If you are taking the compulsory modules Business Management 113(12) and 142(6), choose 48 credits of which at least 32 credits must be from a single subject.

Actuarial Science	211(18)
Business Analytics	214(16), 244(16)
Computer Science	214(16), 244(16)
Economics	214(16), 244(16), 281(32)
Financial Accounting	288(32)
Financial Risk Management	212(8), 242(8), 252(6)
Investment Management	254(16)
Marketing Management	214(16), 244(16)
Operations Research	214(16), 244(16)

Third year (at least 120 credits)**Elective modules**

At least one of the following:

Financial Risk Management	314(24), 344(24)
Mathematical Statistics	312(16), 316(16), 344(16), 364(16)
Operations Research	314(16), 322(16), 344(16), 352(16)

Plus modules from the list below to make up at least 120 credits:

Business Analytics	318(24), 348(24)
Computer Science	313(16) or 315(16), 314(16), 343(16), 344(16),
Economics	318(24), 348(24), 381(24), 388(24)
Financial Mathematics	378(32)
Investment Management	314(12), 324(12), 344(12), 348(12), 354(12)
Marketing Management	314(12), 324(12), 344(12), 354(12)
Mathematics	314(16), 324(16), 325(16), 344(16), 345(16), 365(16)
Project Management	314(24)

4.4.2 Focal areas in the BCom (Mathematical Sciences) programme

4.4.2.1 Data Science

Description of focal area

Data is important and is analysed in almost all environments. A data scientist must have the skills for the following: to gather data and to store it, to transform data and graphically represent it, to ask relevant questions and to analyse data so as to answer decision-making questions. Data scientists are employed as statisticians, data analysts, data managers and statistical analysts in, for example, the marketing, information and management positions of firms. In this capacity they form part of the exciting management and decision-making processes in large organisations. If you have this training, you can negotiate exciting and well-paid career opportunities for yourself.

BCom (Mathematical Sciences)		
Focal area: Data Science		
First year (136 credits)	Second year (124 credits)	Third year (134 credits)
Compulsory modules Actuarial Science 112(8) Computer Science 114(16), 144(16) Economics 114(12), 144(12) Financial Accounting 188(24) Mathematics 114(16), 144(16) Probability Theory and Statistics 144(16)	Compulsory modules Business Management 113(12) Computer Science 214(16), 244(16) Mathematical Statistics 214(16), 245(8), 246(8) Mathematics 214(16), 244(16) Operations Research 244(16)	Compulsory modules Business Management 142(6) Recommended elective modules <i>Choose any two subjects (all the modules per subject):</i> Computer Science 313(16) or 315(16), 314(16), 343(16), 344(16) Mathematical Statistics 312(16), 316(16), 344(16), 364(16) Operations Research 314(16), 322(16), 344(16), 352(16)

4.4.2.2 Financial Risk Management

Description of focal area

People with training in Financial Risk Management, Mathematical Statistics and Financial Mathematics are employed by large financial institutions as quantitative financial analysts, among which are financial risk managers, portfolio managers and dealers in financial instruments. This training gives students the necessary background for building a stimulating and financially rewarding career in the financial sector.

BCom (Mathematical Sciences)		
Focal area: Financial Risk Management		
First year (136 or 138 credits)	Second year (136 or 154 credits)	Third year (144 credits)
Compulsory modules Actuarial Science 112(8) Economics 114(12), 144(12) Financial Accounting 188(24) Probability Theory and Statistics 144(16) Mathematics 114(16), 144(16) Plus Business Management 113(12), 142(6) and Computer Science 113(16) or Computer Science 114(16), 144(16) <i>Please note:</i> You must take Business Management 113(12) and 142(6) in the second year.	Compulsory modules Actuarial Science 211(18) Financial Risk Management 212(8), 242(8), 252(6) Mathematical Statistics 214(16), 245(8), 246(8) Mathematics 214(16), 244(16) Economics 214(16), 244(16) or Financial Accounting 288(32) or Operations Research 214(16), 244(16) <i>Please note:</i> If you took and passed Computer Science 114(16) and 144(16) in the first year, you must take Business Management 113(12) and 142(6), plus the compulsory modules listed above.	Compulsory modules Financial Mathematics 378(32) Financial Risk Management 314(24), 344(24) Mathematical Statistics 312(16), 316(16), 344(16), 364(16)

4.4.2.3 Operations Research

Description of focal area

In Operations Research, you learn a systematic and rational (scientific) approach towards calculating best (optimal) answers in situations where there is high complexity or uncertainty, or both, and when conflict exists between the possible outcomes. The operational researcher's approach to problem-solving includes searching for mathematical models that offer an optimal answer for different types of situations. This focal area offers powerful tools for solving real, practical management problems that organisations face.

BCom (Mathematical Sciences)		
Focal area: Operations Research		
First year (128 or 136 or 138 credits)	Second year (128 or 130 credits)	Third year (at least 120 credits)
<p>Compulsory modules Actuarial Science 112(8) Mathematics 114(16), 144(16) Probability Theory and Statistics 144(16)</p> <p>Plus Business Management 113(12), 142(6) Computer Science 113(16) <i>or</i> Information Systems 112(6) Economics 114(12), 144(12) Financial Accounting 188(24)</p> <p>Or Economics 114(12), 144(12) Financial Accounting 188(24) Computer Science 114(16), 144(16)</p> <p><i>Please note:</i> You must take Business Management 113(12) and 142(6) in the second year.</p>	<p>Compulsory modules Business Management 113(12) and 142(6) must be followed, plus the compulsory modules listed below: Mathematics 214(16), 244(16) Mathematical Statistics 214(16), 245(8), 246(8) Operations Research 214(16), 244(16)</p> <p>Recommended elective modules Business Analytics 214(16), 244(16)</p> <p>Or any other module(s) with a total of 32 credits that fit in the timetables.</p> <p><i>Please note:</i> If you took and passed Computer Science 114(16) and 144(16) in the first year, you must take Business Management 113(12) and 142(6), plus the compulsory modules listed above.</p>	<p>Compulsory modules Operations Research 314(16), 322(16), 344(16), 352(16)</p> <p>Recommended elective modules <i>Plus modules below that follow on second-year modules, to make up 120 credits.</i> Business Analytics 318(24), 348(24) Financial Mathematics 378(32) Project Management 314(24) Mathematical Statistics 312(16), 316(16), 344(16), 364(16)</p>

4.5 BCom (International Business)

Admission requirements

This is a four-year selection programme, including six months of international exchange.

- Overall National Senior Certificate average of at least 80%, excluding Life Orientation
- Mathematics 70%
- English Home Language 70% *or*
English First Additional Language 80%
- Any additional language 70%

Selection

The BCom (International Business) programme is a strict selection programme with set criteria that have to be met in order to proceed from one academic year to the next. Kindly note that unless you have successfully completed all the preceding modules by the time to enrol for the third year of study, you will not be permitted to enrol for the BCom (International Business) and will be required to enrol for the BCom (Management Sciences) programme. Furthermore, you must complete the exchange semester within two years of the other modules in the programme. If it is not completed within this time frame, you will graduate with a BCom (Management Sciences).

The number of students selected is determined by the Faculty's enrolment plan and may differ from year to year. Should the applicants who meet the admission requirements exceed the capacity of the Faculty's enrolment plan, the criteria of the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

It is only possible to transfer from another programme to the BCom (International Business) programme if (1) you meet the minimum admissions requirements and (2) the maximum number of enrolments have not been reached yet.

Application procedure and closing date

Apply electronically at www.maties.com by **31 July** of the year before your intended studies. For more on the application and admission process, see section 1 of this chapter.

Duration and offering type of programme

Four years, full-time.

Programme's mode of delivery

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

Enquiries

Programme leader: Prof Pierre Erasmus
Department of Business Management
Tel: 021 808 2215
E-mail: pde@sun.ac.za

Website: www.sun.ac.za/english/faculty/economy/business-management

Programme structure

This programme takes an interdisciplinary approach, combining modules from the Management Sciences and the Social Sciences. It also gives students international exposure through an international exchange semester in the third year. Please note that you may take part in the exchange if you are registered for the full degree (as opposed to being registered for short-term non-degree purposes).

The combination of modules from both Management and Social Sciences corresponds with programme offerings abroad and aligns with the programmes of our exchange partners. The BCom (International Business) programme is therefore suitable for international students, both for degree and for non-degree purposes.

Programme content

You must earn a total of at least 516 credits.

For the module contents of BCom subjects, see the chapter "Subjects, Modules and Module Contents" at the end of this book, for the module contents of Social Sciences subjects, see the Calendar part for Arts and Social Sciences.

First year (120 credits)**Compulsory modules**

Business Management	113(12), 142(6)
Economics	114(12), 144(12)
Financial Accounting	188(24)
Information Systems	112(6)
Statistics and Data Science	188(18)
Theory of Interest	152(6)

Elective modules

Plus modules from the list below to make up at least 120 credits:

Industrial Psychology	144(12)
Philosophy	114(12), 144(12)
Professional Communication for EMS	144(6)
Sociology	114(12), 144(12)

Second year (144 credits)**Compulsory modules**

Economics	214(16), 244(16)
Political Science	114(12), 144(12)

Plus at least one of the following language subjects of 24 credits:

Chinese	178 (24) <i>or</i>
French	178 (24) [188(24) if you passed French at Grade 12 level] <i>or</i>
German	178 (24) [188(24) if you passed German at Grade 12 level]

Plus at least one of the following subjects (all modules):

Entrepreneurship and Innovation Management	214(16) ^f , 244(16) ^f <i>or</i>
Financial Management	214(16), 244(16) ^{**} <i>or</i>
Marketing Management	214(16) [§] , 244(16) [§]

Elective modules

Plus at least 32 credits from the following:

Entrepreneurship and Innovation Management	214(16) ^f , 244(16) ^f
Financial Management	214(16), 244(16) ^{**}
Investment Management	254(16) ^{**}
Marketing Management	214(16) [§] , 244(16) [§]
Sociology	212(8) ^f , 222(8) ^f , 242(8) ^f , 252(8) ^f

^f If you choose Entrepreneurship and Innovation Management 214 and 244, you cannot choose Sociology 212, 222, 242 and 252, owing to timetable restrictions.

^{**} Financial Management 244 cannot be taken with the elective module Investment Management 254 due to timetable restrictions.

[§] If you choose the Marketing Management stream, Industrial Psychology 224 is compulsory and can be chosen in the third or fourth year.

Third year (at least 132 credits)***Compulsory modules**

Exchange Semester	342(60) [Only if you are registered for the BCom (International Business) degree at Stellenbosch University]
Introduction to Intercultural Communication	312(12)
Legal Aspects of International Transactions	314(12)
Management of Corporate Social Responsibility	314(12)
Political Science	222(8)

Plus one of the following modules **that you did not take** in the second year:

Entrepreneurship and Innovation Management	214(16) <i>or</i>
Financial Management	214(16) <i>or</i>
Marketing Management	214(16) [§]

Or at least 24 credits from the following fourth-year elective modules, provided that you have the necessary prerequisite module credits for enrolment:

Economics	318(24)
Entrepreneurship and Innovation Management	318(24)
Financial Management	314(12) ^f , 332(12) ^f
Investment Management	314(12), 324(12)
Marketing Management	314(12) [§] , 324(12) [§]

Elective modules

Plus at least 12 credits from the following:

Industrial Psychology	224(16) [§]
Political Science	212(8)
Social Anthropology	324(12) ^f

[§] If you choose the Marketing Management stream, Industrial Psychology 224 is compulsory and can be chosen in the third or fourth year.

^f If you choose Financial Management 314 and 332, you cannot choose Social Anthropology 324, owing to timetable restrictions.

* Depending on the circumstances in a given year (like Covid-19 or exchange opportunities), you could be offered the option to enrol for the exchange semester in your fourth year, or to switch study years 3 and 4.

Fourth year (120 credits)*

Compulsory modules

Strategic Management	344(12)
----------------------	---------

Plus one of the following subjects (all modules) to continue on your focal area from the second and third years:

Entrepreneurship and Innovation Management	318(24), 348(24) <i>or</i>
Financial Management	314(12) ^{***} , 332(12) ^{***} , 352(12), 354(12) <i>or</i>
Investment Management	314(12) 324(12), 344(12), 348(12), 354(12) <i>or</i>
Marketing Management [§]	314(12) ^f , 324(12) ^f , 344(12), 354(12)

Elective modules

Plus modules from the list below to make up at least 120 credits along with the modules above:

Economics	318(24), 348(24)
Entrepreneurship and Innovation Management	318(24), 348(24)
Financial Management	314(12) ^{***} , 332(12) ^{***} , 352(12), 354(12)
Investment Management	314(12), 324(12), 344(12), 348(12), 354(12)
Marketing Management [§]	314(12) ^f , 324(12) ^f , 344(12), 354(12)
Industrial Psychology	224(16) [§]
Political Science	242(8), 324(12) ^f
Social Anthropology	324(12) ^{***}

[§] If you choose the Marketing Management stream, Industrial Psychology 224 is compulsory and can be chosen in the third or fourth year.

^f If you choose Marketing Management 314 and 324, you cannot choose Political Science 324, owing to timetable restrictions.

^{***} If you choose Financial Management 314 and 332, you cannot choose Social Anthropology 324, owing to timetable restrictions.

* Depending on the circumstances in a given year (like Covid-19 or exchange opportunities), you could be offered the option to enrol for the exchange semester in your fourth year, or to switch study years 3 and 4.

4.6 BDatSci

4.6.1 BDatSci

Interdepartmental and interfaculty collaboration

This programme is presented in four faculties, namely Economic and Management Sciences, Science, AgriSciences and Arts and Social Sciences. The faculty where you are registered awards the degree.

Admission requirements

- Overall NSC average of at least 80%, excluding Life Orientation
- Mathematics 80%
- One of the following:
 - Afrikaans Home Language 60% *or*
 - English Home Language 60% *or*
 - Afrikaans First Additional Language 75% *or*
 - English First Additional Language 75%

Selection

The number of students selected is determined by the Faculty's enrolment plan and may differ from year to year.

Should the applicants who meet the admission requirements exceed the capacity of the Faculty's enrolment plan, the criteria of the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

Application procedure and closing date

Apply electronically at www.maties.com by **31 July** of the year before your intended studies. For more on the application and admission process, see section 1 of this chapter.

Duration and offering type of programme

Four years, full-time.

Programme's mode of delivery

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

Enquiries

For further information about the BDatSci programme, visit www.sun.ac.za/datascience or use the contact details below.

For academic enquiries please contact the programme leader:

Prof Paul Mostert
 Department of Statistics and Actuarial Science
 Tel: 021 808 3244
 E-mail: pjmos@sun.ac.za

For enquiries about the academic content of a specific focal area, please use the following contact details:

Analytics and Optimisation focal area

Prof Stephan Visagie
 Department of Logistics
 Tel: 021 808 2254
 E-mail: svisagie@sun.ac.za

Behavioural Economics focal area

Prof Rulof Burger
 Department of Economics
 Tel: 021 808 2328
 E-mail: rulof@sun.ac.za

Statistical Learning focal area

Prof Danie Uys
Department of Statistics and Actuarial Science
Tel: 021 808 3244
E-mail: dwu@sun.ac.za

Articulation to BDatSci from other existing academic programmes is subject to approval by the BDatSci Programme Committee. Students who plan to change their degree programme to BDatSci, should contact the programme leader at pjmos@sun.ac.za for approval.

Programme structure

The data science programme BDatSci consists of a set of compulsory core modules in each of the four years of study. The core modules lay the foundation for studies in the field of data science. For the rest, you have a relatively free choice of modules to enable you to focus on a very specific field within the data science environment. In choosing your modules, please take note of the stipulations regarding timetable clashes in the general section at the beginning of this chapter.

It is also possible within this programme to focus on a specific area of study, called a focal area. You will register for BDatSci in the faculty that offers that focal area.

Also keep in mind, that you will be able to apply for a master's programme after completing your BDatSci, since BDatSci is a four-year qualification at honours level (NQF-level 8).

Focal areas

The objective of focal areas is to help you choose a specific career focus within the BDatSci programme. The focal area is not a programme, and the module combinations are only recommendations for you to make more focussed module choices. Nevertheless, there are several compulsory modules that must be taken within each focal area. The module choices in the tables describing each focal area fit in with the lecture and assessment timetables.

There are eight focal areas in the BDatSci programme, and three of these focal areas are offered in the Faculty of Economic and Management Sciences. Only these three focal areas are described further down under "Focal areas in the BDatSci programme". For the sake of completeness, however, all eight focal areas of BDatSci are listed below. An indication of the faculty where the programme is offered is given in brackets, and you will find the description of the focal area in that faculty's Calendar part:

- Analytics and Optimisation (Economic and Management Sciences),
- Behavioural Economics (Economic and Management Sciences),
- Statistical Learning (Economic and Management Sciences),
- Applied Mathematics (Science),
- Computer Science (Science),
- Statistical Physics (Science),
- Statistical Genetics (AgriSciences), and
- Geoinformatics (Arts and Social Sciences).

4.6.2 Focal areas in the BDatSci programme

4.6.2.1 Analytics and Optimisation

Home Department: Logistics
Faculty of Economic and Management Sciences

Description of focal area

Operations research is an analytical approach to data-driven problem-solving and decision-making. Problems are broken down into basic components and then solved in defined steps by mathematical methods. Operations researchers use mathematical optimisation to determine the best performance under the given circumstances. They use simulation to experiment and test solutions before implementing them and analytics to uncover risks and helpful insights, and to make reliable predictions. The techniques presented in this focal area give data scientists a unique edge to find optimal solutions to real-world problems, and they open doors to careers in areas like business analysis and consulting.

BDatSci			
Focal area: Analytics and Optimisation			
First year (120 credits)	Second year (128 credits)	Third year (128 credits)	Fourth year (132 credits)
Compulsory modules Computer Science 113(16) or 114(16), 144(16) Data Science 141(16) Mathematics 114(16), 144(16) Probability Theory and Statistics 114(16) Plus Actuarial Science 112(8) and Applied Mathematics 144(16) Or Economics 114(12), 144(12)	Compulsory modules Data Science 241(16) Computer Science 214(16), 244(16) Mathematical Statistics 214(16), 245(8), 246(8) Mathematics 214(16) Operations Research 214(16), 244(16)	Compulsory modules Computer Science 315(16), 343(16) Data Science 314(16), 344(16) Mathematical Statistics 312(16) Operations Research 314(16), 344(16), 352(16)	Compulsory modules Advanced Linear Programming 441(16) Data Science Research Assignment 441(40) Introduction to Statistical Learning 441(12) Machine Learning 441(16) Metaheuristics 441(16) Methods of Operations Research 441(16) Systems Dynamics 441(16)

4.6.2.2 Behavioural Economics

Home Department: Economics
Faculty of Economic and Management Sciences

Description of focal area

Data scientists often work with data that capture aspects of human behaviour and reflect decisions made by investors, consumers, workers, politicians, companies and managers. Behavioural economics investigates how psychological and economic factors affect these decisions. This focal area will equip you with the skills, models and theories to understand, predict and influence human behaviour.

BDatSci			
Focal area: Behavioural Economics			
First year (120 credits)	Second year (128 credits)	Third year (128 credits)	Fourth year (122 credits)
Compulsory modules Computer Science 114(16), 144(16) Data Science 141(16) Economics 114(12), 144(12) Mathematics 114(16), 144(16) Probability Theory and Statistics 114(16)	Compulsory modules Computer Science 214(16), 244(16) Data Science 241(16) Economics 214(16), 244(16) Mathematical Statistics 214(16), 245(8), 246(8) Mathematics 214(16)	Compulsory modules Computer Science 315(16), 343(16) Data Science 314(16), 344(16) Economics 318(24), 388(24) Mathematical Statistics 312(16)	Compulsory modules Behavioural Economics 441(10) Econometrics 441(20) Data Science Research Assignment 441(40) Introduction to Statistical Learning 441(12) Machine Learning 441(16) Macroeconomics 441(12) Microeconomics 441(12)

4.6.2.3 Statistical Learning

Home Department: Statistics and Actuarial Science
Faculty of Economic and Management Sciences

Description of focal area

In almost all environments, decision-making is driven by massive amounts of data, which means that there is a dire need for skilled individuals who can make sense of this data deluge. In general, data science entails the gathering and storage of data, the transformation and graphical representation of data and the analysis of data in order to make predictions or inferences. The statistical learning focal area entails identifying trends and patterns in data, and using these to construct statistical models, which can be used to predict or classify. This is an important task across all industries, meaning that individuals with these particular skills can work on solving real-world problems found in a variety of domains.

BDatSci			
Focal area: Statistical Learning			
First year (120 credits)	Second year (128 credits)	Third year (128 credits)	Fourth year (128 credits)
<p>Compulsory modules Computer Science 113(16) or 114(16), 144(16) Data Science 141(16) Mathematics 114(16), 144(16) Probability Theory and Statistics 114(16)</p> <p>Plus Actuarial Science 112(8) and Applied Mathematics 144(16)</p> <p>Or Economics 114(12), 144(12)</p>	<p>Compulsory modules Computer Science 214(16), 244(16) Data Science 241(16) Mathematical Statistics 214(16), 245(8), 246(8) Mathematics 214(16), 244(16) Operations Research 214(16)</p>	<p>Compulsory modules Computer Science 315(16), 343(16) Data Science 314(16), 344(16) Mathematical Statistics 312(16), 316(16), 344(16), 364(16)</p>	<p>Compulsory modules Bayesian Statistics 441(12) Data Science Research Assignment 441(40) Introduction to Statistical Learning 441(12) Machine Learning 441(16) Multivariate Statistical Analysis A 441(12) Multivariate Statistical Analysis B 441(12) Stochastic Simulation 441(12) Time Series Analysis 441(12)</p>

5. Professional degree programmes

All the professional programmes offer you the opportunity to register with an occupational council and/or a professional society or write qualification examinations.

5.1 BCom (Actuarial Science)

Admission requirements

Minimum requirements for admission:

- A National Senior Certificate average based on the six best subjects, excluding Life Orientation, 80%
- Mathematics 80%
- Home Language 60%
- If the Home Language (in the requirement above) is not English, then also English First Additional Language 75%

Selection

The number of students selected is determined by the Faculty's enrolment plan and may differ from year to year.

Should the applicants who meet the admission requirements exceed the capacity of the Faculty's enrolment plan, the criteria of the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

Application procedure and closing date

Apply electronically at www.maties.com by **31 July** of the year before your intended studies. For more on the application and admission process, see section 1 of this chapter.

Duration and offering type of programme

Three years, full-time.

Programme's mode of delivery

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

Professional qualification and exemption from professional examinations

This programme is aimed at enabling you to make progress towards the professional qualification of actuary. The curriculum is structured in such a way that you can obtain exemptions from certain examinations of the Actuarial Society of South Africa that are necessary for professional qualification. Exemptions are based on your performance in the equivalent university subjects.

Enquiries

Programme leader: Prof Garrett Slattery
 Department of Statistics and Actuarial Science
 Tel: 021 808 3248
 E-mail: slattery@sun.ac.za
 Website: www.sun.ac.za/statistics

Programme content

You must earn a total of at least 434 credits, as outlined below. For a description of individual module contents, see the chapter "Subjects, Modules and Module Contents" at the end of this book.

First year (154 credits)

All modules are compulsory.

Actuarial Science	112(8), 142(16)
Business Management	113(12), 142(6)
Economics	114(12), 144(12)
Financial Accounting	188(24)
Computer Science	113(16)
Mathematics	114(16), 144(16)
Probability Theory and Statistics	144(16)

Second year (136 credits)

Compulsory modules

Actuarial Science	211(18), 241(22)
Economics	214(16)
Financial Risk Management	212(8)
Mathematical Statistics	214(16), 245(8), 246(8)
Mathematics	214(16), 244(16)

Elective modules

Plus one of the following (at least 8 credits):

Economics	244(16)
Financial Risk Management	242(8)

Third year (144 credits)

All modules are compulsory.

Actuarial Science	311(24), 341(24), 371(32)
Mathematical Statistics	312(16), 316(16), 344(16), 364(16)

5.2 BCom (Financial Accounting)

Admission requirements

- Overall National Senior Certificate average of at least 65%, excluding Life Orientation
- Mathematics 60%
- One of the following:
 - Afrikaans Home Language 50% *or*
 - English Home Language 50% *or*
 - Afrikaans First Additional Language 60% *or*
 - English First Additional Language 60%

Selection

The number of students selected is determined by the Faculty's enrolment plan and may differ from year to year.

Should the applicants who meet the admission requirements exceed the capacity of the Faculty's enrolment plan, the criteria of the admission requirements will be used to rank the applicants in order for suitability, and to finalise the list of selected applicants.

Application procedure and closing date

Apply electronically at www.maties.com by **31 July** of the year before your intended studies. For more on the application and admission process, see section 1 of this chapter.

Duration and offering type of programme

Three years, full-time.

Programme's mode of delivery

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

Professional qualification

This programme offers professional training aimed at the qualification of Certified Accountant (ACCA qualification).

Enquiries

To find out more about admission, selection and registration procedures, module options and credit requirements, please contact one of the faculty administrators:

Ms Lauren Delpont
Administrative Building A
Office number: A2035
Tel: 021 808 9111
E-mail: laurend@sun.ac.za

Ms Bomikazi Kohli
Administrative Building A
Office number: A2036
Tel: 021 808 9111
E-mail: kohli@sun.ac.za

Ms Carol Blaauw
Administrative Building A
Office number: A3001a
Tel: 021 808 9111
E-mail: carolc@sun.ac.za

For general enquiries about the academic content of the programme, please contact the programme leader:

Programme leader: Dr George Nel
School of Accountancy
Tel: 021 808 3422
E-mail: gfn@sun.ac.za

Website: www.sun.ac.za/accountancy

Programme content

You must earn a total of 392 credits, as outlined below. For a description of individual module contents, see the chapter "Subjects, Modules and Module Contents" at the end of this book.

First year (120 credits)

All modules are compulsory.

Business Management	113(12), 142(6)
Digital and Leadership Acumen	112(6), 122(6), 142(6), 152(6), 162(6)
Economics	114(12), 144(12)
Financial Accounting	188(24)
Statistics and Data Science	188(18)
Theory of Interest	152(6)

Please note:

- If you failed the module Information Systems 114 in 2022, or before, you must register for Digital and Leadership Acumen 112 *and* 142. Information Systems 114 or both Digital and Leadership Acumen 112 *and* 142 count for graduation purposes.
- If you failed the module Information Systems 144 in 2022, or before, you must register for Digital and Leadership Acumen 122 *and* 152. Information Systems 144 or both Digital and Leadership Acumen 122 *and* 152 count for graduation purposes.
- If you failed the module Information Systems 152 in 2022, or before, you must register for Digital and Leadership Acumen 162. Information Systems 152 or Digital and Leadership Acumen 162 count for graduation purposes.

Second year (128 credits)

All modules are compulsory.

Auditing	288(24)
Financial Accounting	288(32)
Management Accounting	288(24)
Marketing Management	214(16)
Mercantile Law (Commerce)	285(32) <i>If you have passed Mercantile Law (Acc) 193, you do not register for Mercantile Law (Commerce) 285, but rather for Mercantile Law (Commerce) 253.</i>

Third year (144 credits)

All modules are compulsory.

Auditing	378(24)
Financial Accounting	389(48)
Management Accounting	388(48)
Taxation	388(24)

5.3 BCom (Industrial Psychology)

This programme was previously called BCom (Psych).

Admission requirements

- Overall National Senior Certificate average of at least 65%, excluding Life Orientation
- Mathematics 60%
- One of the following:
 - Afrikaans Home Language 50% *or*
 - English Home Language 50% *or*
 - Afrikaans First Additional Language 60% *or*
 - English First Additional Language 60%

Selection

The number of students selected is determined by the Faculty's enrolment plan and may differ from year to year.

Should the applicants who meet the admission requirements exceed the capacity of the Faculty's enrolment plan, the criteria of the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

Application procedure and closing date

Apply electronically at www.maties.com by **31 July** of the year before your intended studies. For more on the application and admission process, see section 1 of this chapter.

Duration and offering type of programme

Three years, full-time.

Programme's mode of delivery

Full-contact learning (face-to-face)

Professional registration

You will qualify for statutory registration with the Health Professions Council of South Africa (HPCSA) as Psychometrist (Independent Practice) once you have successfully completed all of the following:

- BCom (Industrial Psychology) programme,
- BComHons (Industrial Psychology) programme,
- BPsych Equivalence programme, and
- Professional board examination.

Statutory registration with the HPCSA as an industrial psychologist is possible once you have completed the MCom (Industrial Psychology), an internship and have successfully written the professional board examination.

Enquiries

To find out more about admission, selection and registration procedure, module options and credit requirements, please contact one of the faculty administrators:

Ms Lauren Delpont
Administrative Building A
Office number: A2035
Tel: 021 808 9111
E-mail: laurend@sun.ac.za

Ms Bomikazi Kohli
Administrative Building A
Office number: A2036
Tel: 021 808 9111
E-mail: kohli@sun.ac.za

Ms Carol Blaauw
Administrative Building A
Office number: A3001a
Tel: 021 808 9111
E-mail: carolc@sun.ac.za

For general enquiries about the academic content of the programme, please contact the programme leader:

Programme leader: Ms Marietha de Wet
Department of Industrial Psychology
Tel: 021 808 3019
E-mail: mdew@sun.ac.za

Website: www.sun.ac.za/industrial_psychology

Programme content

You must earn a total of 410 credits, as outlined below. For a description of individual module contents, see the chapter "Subjects, Modules and Module Contents" at the end of this book.

First year (138 credits)

All modules are compulsory.

Business Management	113(12), 142(6)
Economics	114(12), 144(12)
Financial Accounting	188(24)
Industrial Psychology	114(12), 144(12)
Psychology	114(12), 144(12)
Statistics and Data Science	188(18)
Theory of Interest	152(6)

Second year (128 credits)

Compulsory modules

Industrial Psychology	214(16), 224(16), 252(8), 262(8)
Psychology	213(8), 223(8), 243(8), 253(8)

Elective modules

- Choose one full subject of two modules plus one other module of 16 credits.
- Modules marked with a hash (#) cannot be taken together.
- Take into account the prerequisites for second- and third-year modules. (See Appendix A for prerequisites.)
- If you take Marketing Management 214 and 244, you must take Financial Management 214 (marked with a ^Δ). Also see the prerequisites for Marketing Management 214 and 244 in Appendix A at the back of this book

Entrepreneurship and Innovation Management	214(16), 244(16)
Financial Management	214(16) ^Δ , 244(16) #
Investment Management	254(16) #
Marketing Management	214(16) ^Δ , 244(16) ^Δ

Third year (144 credits)

Compulsory modules

Industrial Psychology	314(12), 324(12), 348(24)
Psychology	314(12), 324(12), 348(24)

Elective modules

Plus 48 credits (all the modules) from one of the following three subjects.

Entrepreneurship and Innovation Management	318(24), 348(24) <i>or</i>
Financial Management	314(12), 332(12), 352(12), 354(12) <i>or</i>
Marketing Management	314(12), 324(12), 344(12), 354(12)

5.4 BCom (Management Accounting)

Admission requirements

- Overall National Senior Certificate average of at least 65%, excluding Life Orientation
- Mathematics 60%
- One of the following:
 - Afrikaans Home Language 50% *or*
 - English Home Language 50% *or*
 - Afrikaans First Additional Language 60% *or*
 - English First Additional Language 60%

Selection

The number of students selected is determined by the Faculty's enrolment plan and may differ from year to year.

Should the applicants who meet the admission requirements exceed the capacity of the Faculty's enrolment plan, the criteria of the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

Application procedure and closing date

Apply electronically at www.maties.com by **31 July** of the year before your intended studies. For more on the application and admission process, see section 1 of this chapter.

Duration and offering type of programme

Three years, full-time.

Programme's mode of delivery

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

Professional qualification

This programme offers professional training aimed at the Chartered Management Accountant (CIMA) qualification.

Enquiries

To find out more about admission, selection and registration procedures, module options and credit requirements, please contact one of the faculty administrators:

Ms Lauren Delpont
Administrative Building A
Office number: A2035
Tel: 021 808 9111
E-mail: laurend@sun.ac.za

Ms Bomikazi Kohli
Administrative Building A
Office number: A2036
Tel: 021 808 9111
E-mail: kohli@sun.ac.za

Ms Carol Blaauw
Administrative Building A
Office number: A3001a
Tel: 021 808 9111
E-mail: carolc@sun.ac.za

For general enquiries about the academic content of the programme, please contact the programme leader:

Programme leader: Mr Roelof Baard
School of Accountancy
Tel: 021 808 3470
E-mail: rbaard@sun.ac.za

Website: www.sun.ac.za/accountancy

Programme content

You must earn a total of 392 credits, as outlined below. For a description of individual module contents, see the chapter "Subjects, Modules and Module Contents" at the end of this book.

First year (120 credits)

All modules are compulsory.

Business Management	113(12), 142(6)
Digital and Leadership Acumen	112(6), 122(6), 142(6), 152(6), 162(6)
Economics	114(12), 144(12)
Financial Accounting	188(24)
Statistics and Data Science	188(18)
Theory of Interest	152(6)

Please note:

- If you failed the module Information Systems 114 in 2022, or before, you must register for Digital and Leadership Acumen 112 *and* 142. Information Systems 114 or both Digital and Leadership Acumen 112 *and* 142 count for graduation purposes.
- If you failed the module Information Systems 144 in 2022, or before, you must register for Digital and Leadership Acumen 122 *and* 152. Information Systems 144 or both Digital and Leadership Acumen 122 *and* 152 count for graduation purposes.
- If you failed the module Information Systems 152 in 2022, or before, you must register for Digital and Leadership Acumen 162. Information Systems 152 or Digital and Leadership Acumen 162 count for graduation purposes.

Second year (128 credits)

All modules are compulsory.

Digital and Leadership Acumen	212(6), 242(6)
Financial Accounting	288(32)
Industrial Psychology (Special)	244(12)
Management Accounting	288(24)
Marketing Management	214(16)
Mercantile Law (Commerce)	285(32) <i>If you have passed Mercantile Law (Acc) 193, you do not register for Mercantile Law (Commerce) 285, but rather for Mercantile Law (Commerce) 253.</i>

Please note:

- If you failed the module Information Systems 214 in 2022, or before, you must register for Digital and Leadership Acumen 212. Information Systems 214 or Digital and Leadership Acumen 212 count for graduation purposes.
- If you failed the module Information Systems 242 in 2022, or before, you must register for Digital and Leadership Acumen 242. Information Systems 242 or Digital and Leadership Acumen 242 count for graduation purposes.

Third year (144 credits)

All modules are compulsory.

Auditing	388(24)
Financial Accounting	389(48)
Management Accounting	388(48)
Taxation	388(24)

5.5 BAcc

Admission requirements

- Overall National Senior Certificate average of at least 70%, excluding Life Orientation
- Mathematics 70% *or*
Mathematics 60% and Accounting 70%
- One of the following:
 - Afrikaans Home Language 50% *or*
 - English Home Language 50% *or*
 - Afrikaans First Additional Language 60% *or*
 - English First Additional Language 60%

This programme is presented fully in English and in Afrikaans.

Selection

The number of students selected is determined by the Faculty's enrolment plan and may differ from year to year.

Should the applicants who meet the admission requirements exceed the capacity of the Faculty's enrolment plan, the criteria of the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

Application procedure and closing date

Apply electronically at www.maties.com by **31 July** of the year before your intended studies. For more on the application and admission process, see section 1 of this chapter.

Duration and offering type of programme

Three years, full-time.

Programme's mode of delivery

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

Professional qualification

This programme offers professional education to qualify as a Chartered Accountant.

Enquiries

To find out more about admission, selection and registration procedures, module options and credit requirements, please contact one of the faculty administrators:

Ms Lauren Delpport
Administrative Building A
Office number: A2035
Tel: 021 808 9111
E-mail: laurend@sun.ac.za

Ms Bomikazi Kohli
Administrative Building A
Office number: A2036
Tel: 021 808 9111
E-mail: kohli@sun.ac.za

Ms Carol Blaauw
Administrative Building A
Office number: A3001a
Tel: 021 808 9111
E-mail: carolc@sun.ac.za

For general enquiries about the academic content of the programme, please contact one of the programme leaders:

Programme leaders: Prof Kobus van Schalkwyk or Prof Pieter von Wielligh
School of Accountancy
Tel: 021 808 3889
E-mail: cjvs1@sun.ac.za or pvw@sun.ac.za
Website: www.sun.ac.za/accountancy

Programme content

You must earn a total of 448 credits, as outlined below. For a description of individual module contents, see the chapter "Subjects, Modules and Module Contents" at the end of this book.

First year (138 credits)

All modules are compulsory.

Business Management	113(12), 142(6)
Digital and Leadership Acumen	112(6), 122(6), 142(6), 152(6)
Economics	114(12), 144(12)
Financial Accounting	178(24)
Mercantile Law (Acc)	193(24)
Statistics and Data Science	188(18)
Theory of Interest	152(6)

Please note:

- If you failed the module Information Systems 114 in 2022, or before, you must register for Digital and Leadership Acumen 112 *and* 142. Information Systems 114 or both Digital and Leadership Acumen 112 *and* 142 count for graduation purposes.
- If you failed the module Information Systems 144 in 2022, or before, you must register for Digital and Leadership Acumen 122 *and* 152. Information Systems 144 or both Digital and Leadership Acumen 122 *and* 152 count for graduation purposes.

Second year (154 credits)

All modules are compulsory.

Auditing	288(24)
Business Ethics	214(8)
Digital and Leadership Acumen	212(6), 242(6)
Financial Accounting	278(32)
Management Accounting	278(30)
Mercantile Law (Acc)	292(24)
Taxation	298(24)

Please note:

- If you failed the module Information Systems 214 in 2022, or before, you must register for Digital and Leadership Acumen 212. Information Systems 214 or Digital and Leadership Acumen 212 count for graduation purposes.
- If you failed the module Information Systems 242 in 2022, or before, you must register for Digital and Leadership Acumen 242. Information Systems 242 or Digital and Leadership Acumen 242 count for graduation purposes.

Third year (156 credits)

All modules are compulsory.

Auditing	378(24)
Digital and Leadership Acumen	324(12)
Financial Accounting	379(48)
Management Accounting	378(36)
Taxation	399(36)

Please note:

- If you failed the module Information Systems 312 in 2022, or before, you must register for Digital and Leadership Acumen 342. Information Systems 312 or Digital and Leadership Acumen 342 count for graduation purposes.

6. Degree programmes that include studies in Law

6.1 BCom (Law) (from 2022)

The programme set out below will be phased in from 2022 onwards. This programme only applies to students that commence the BCom (Law) degree in 2022 or thereafter. Students that registered for the BCom (Law) before 2022 will follow the programme set out at 6.2 below.

If you are a student in this programme and you do not pass a law module in the relevant year of study, you must take note of the bridging rules contained in the Faculty of Law's Calendar part.

Interdepartmental and interfaculty collaboration

This programme is presented in collaboration with the Faculty of Law. The Faculty of Economic and Management Sciences awards the degree.

Admission requirements

- An overall average of at least 70%, excluding Life Orientation, in the National Senior Certificate (NSC) or Independent Examinations Board (IEB) school-leaving certificate
- Mathematics 60%
- One of the following:
 - Afrikaans Home Language 60% or
 - English Home Language 60% or
 - Afrikaans First Additional Language 70% or
 - English First Additional Language 70%

Selection

The Faculty of Law selects the students for this programme. See the Calendar part for Law for more information.

Duration and offering type of programme

Three years, full-time.

Programme's mode of delivery

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

Further studies

Once you have completed the BCom (Law) at Stellenbosch University, you may enrol for the two-year LLB programme to obtain the professional LLB degree. See the Faculty of Law's Calendar part for the requirements of the two-year LLB programme. You can also be accepted for the BComHons (Financial Accounting) (ACCA) if you adhere to the admission requirements. Furthermore, you must enrol for Statistics and Data Sciences 188(18) before or during BComHons (Financial Accounting).

Enquiries

Programme leader: Prof Philip Sutherland
 Faculty of Law
 Tel: 021 808 3454
 E-mail: pjsu@sun.ac.za
 Website: www.sun.ac.za/law

Programme content

You must earn a total of 424 credits, as outlined below.

In this programme you take subjects from the broad BCom programme alongside a number of law subjects. For the module contents of BCom subjects, see the chapter "Subjects, Modules and Module Contents" at the end of this book, and for the module contents of law subjects, see the Faculty of Law's Calendar part.

First year (144 credits)**Compulsory modules**

Business Management	113(12), 142(6)
Economics	114(12), 144(12)
Financial Accounting	188(24)
Foundations of Law	178(24)
Information Systems	112(6)
Introduction to Constitutional Law and Statutory Interpretation	178(18)
Law of Persons	144(12)
Legal Skills	114(12)
Theory of Interest	152(6)

Second year (130 credits)**All modules are compulsory.**

African Customary Law	278(18)
Constitutional Law	214(12)
Economics	214(16), 244(16)
Family Law	214(12)
Financial Accounting	288(32)
Law of Civil Procedure	244(12)
Legal Ethics	214(12)

Third year (150 credits)

Constitutional Law	244(12)
Economics	318(24), 348(24) <i>or</i>
Financial Accounting	389(48)
Economics	381(24) <i>or</i>
Taxation	388(24)
Jurisprudence	244(12)
Labour Law	244(12)
Law of Succession	214(12)
Law of Civil Procedure	314(12)
Property Law	278(18)

6.2 BCom (Law) (before 2022)

The programme set out below is being phased out and only applies to students that registered for the programme prior to 2022. Students admitted for 2022 and thereafter must register for the programme as set out at 6.1 above.

If you are a student in this programme and you do not pass a law module in the relevant year of study, you must take note of the bridging rules contained in the Faculty of Law's Calendar part.

Interdepartmental and interfaculty collaboration

This programme is presented in collaboration with the Faculty of Law. The Faculty of Economic and Management Sciences awards the degree.

Admission requirements

- An overall average of at least 70%, excluding Life Orientation, in the National Senior Certificate (NSC) *or* Independent Examinations Board (IEB) school-leaving certificate
- Mathematics 60%
- One of the following:
 - Afrikaans Home Language 60% *or*
 - English Home Language 60% *or*
 - Afrikaans First Additional Language 70% *or*
 - English First Additional Language 70%

Duration and offering type of programme

Three years, full-time.

Programme's mode of delivery

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

Further studies

Once you have completed the BCom (Law) at Stellenbosch University, you may enrol for the two-year LLB programme to obtain the professional LLB degree. See the Faculty of Law's Calendar part for the requirements of the two-year LLB programme. You can also be accepted for the BComHons (Financial Accounting) (ACCA) if you adhere to the admission requirements. Furthermore, you must enrol for Statistics and Data Sciences 188(18) before or during BComHons (Financial Accounting).

Enquiries

Programme leader: Prof Philip Sutherland

Faculty of Law

Tel: 021 808 3454

E-mail: pjsu@sun.ac.za

Website: www.sun.ac.za/law

Programme content

You must earn a total of 458 credits, as outlined below.

In this programme you take subjects from the broad BCom programme alongside a number of law subjects. For the module contents of BCom subjects, see the chapter "Subjects, Modules and Module Contents" at the end of this book, and for the module contents of law subjects, see the Faculty of Law's Calendar part. For the module content of the language modules, see the Calendar part for the Faculty of Arts and Social Sciences.

First year (160 credits)

Compulsory modules

Business Management	113(12), 142(6)
Economics	114(12), 144(12)
Financial Accounting	188(24)
Information Systems	112(6)
Introduction to Law	171(24)
Private Law	171(24)
Theory of Interest	152(6)
Writing Skills	171(10)

Elective modules

Plus one subject (24 credits) from the following:

Afrikaans and Dutch	178(24)
Basic Xhosa	114(12), 144(12)
English	178(24)
Latin	178(24)
Xhosa	178(24) or 188(24) (if you have first-language proficiency in Xhosa or Zulu)

Second year (144 credits)

All modules are compulsory.

Criminal Law	171(24)
Economics	214(16), 244(16)
Financial Accounting	288(32)
Private Law	272(16), 273(16)
Roman Law	271(24)

Third year (154 credits)

Economics	318(24), 348(24) <i>or</i>
Financial Accounting	389(48)
Economics	381(24) <i>or</i>
Taxation	388(24)
Constitutional Law	271(26)
Interpretation of Enacted Law	211(12)
Law of Civil Procedure	371(24)
Law of Criminal Procedure	271(20)

6.3 BAccLLB (from 2022)

The programme set out below will be phased in from 2022 onwards. This programme only applies to students that commence the BAccLLB degree in 2022 or thereafter. Students that registered for the BAccLLB before 2022 will follow the programme set out at 6.4 below.

Interdepartmental and interfaculty collaboration

This programme is presented jointly with the Faculty of Law. It enables you to complete both the BAcc and the LLB degrees as a single, combined qualification in a minimum time of five years.

Admission requirements

- An overall average of at least 80%, excluding Life Orientation, in the National Senior Certificate (NSC) or Independent Examinations Board (IEB) school-leaving certificate
- Mathematics 70% *or*
Mathematics 60% and Accounting 70%
- One of the following:
 - Afrikaans Home Language 60% *or*
 - English Home Language 60% *or*
 - Afrikaans First Additional Language 70% *or*
 - English First Additional Language 70%

Selection

The Faculty of Law selects the students for this programme. See the Calendar part for Law for more information.

Application procedure and closing date

Apply electronically at www.maties.com by **31 July** of the year before your intended studies. For more on the application and admission process, see section 1 of this chapter.

Duration and offering type of programme

Five years, full-time.

Programme's mode of delivery

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

Professional qualification

This programme offers the applicable education necessary to qualify as a Chartered Accountant and as a legal practitioner simultaneously.

Enquiries

Programme leader: Ms Silke de Lange
Faculty of Law
Tel: 021 808 3202
E-mail: silkeb@sun.ac.za
Website: www.sun.ac.za/law

Programme content

You must earn a total of 818 credits, as outlined below.

For the module contents of BAcc subjects, see the chapter "Subjects, Modules and Module Contents" at the end of this Calendar part, and for the module contents of law subjects, see the Faculty of Law's Calendar part.

First year (162 credits)

All modules are compulsory.

Digital and Leadership Acumen	112(6), 122(6), 142(6), 152(6)
Economics	114(12), 144(12)
Financial Accounting	178(24)
Foundations of Law	178(24)
Introduction to Constitutional Law and Statutory Interpretation	178(18)
Law of Persons	144(12)
Legal Skills	114(12)
Statistics and Data Science	188(18)
Theory of Interest	152(6)

Please note:

- If you failed the module Information Systems 114 in 2022, or before, you must register for Digital and Leadership Acumen 112 *and* 142. Information Systems 114 or both Digital and Leadership Acumen 112 *and* 142 count for graduation purposes.
- If you failed the module Information Systems 144 in 2022, or before, you must register for Digital and Leadership Acumen 122 *and* 152. Information Systems 144 or both Digital and Leadership Acumen 122 *and* 152 count for graduation purposes.

Second year (144 credits)

All modules are compulsory.

African Customary Law	278(18)
Auditing	288(24)
Constitutional Law	214(12), 244(12)
Digital and Leadership Acumen	212(6), 242(6)
Family Law	214(12)
Labour Law	244(12)
Law of Succession	214(12)
Legal Ethics	214(12)
Property Law	278(18)

Please note:

- If you failed the module Information Systems 214 in 2022, or before, you must register for Digital and Leadership Acumen 212. Information Systems 214 or Digital and Leadership Acumen 212 count for graduation purposes.
- If you failed the module Information Systems 242 in 2022, or before, you must register for Digital and Leadership Acumen 242. Information Systems 242 or Digital and Leadership Acumen 242 count for graduation purposes.

Third year (170 credits)**All modules are compulsory.**

Business Organisations and Insolvency Law	344(12)
Criminal Justice in Action	344(12)
Criminal Law	314(12)
Financial Accounting	278(32)
Law of Civil Procedure	244(12)
Law of Contract	378(24)
Law of Criminal Procedure	314(12)
Law of Evidence	344(12)
Management Accounting	278(30)
Public International Law	314(12)

Fourth year (174 credits)**All modules are compulsory.**

Administrative Law	414(12)
Company Law	478(24)
Digital and Leadership Acumen	324(12)
Jurisprudence	244(12)
The Law and Technology	414(12)
Law of Civil Procedure	314(12)
Law of Delict	344(18)
Law of Income Tax	414(12)
Practical Legal Training	444(12)
Specific Contracts	414(12)
Taxation	298(24)
One second semester LLB elective modules (12 credits**)	
** See the Faculty of Law's Calendar part for the elective modules in the final year of the four-year LLB.	

Please note:

If you failed the module Information Systems 312 in 2022, or before, you must register for Digital and Leadership Acumen 324. Information Systems 312 or Digital and Leadership Acumen 324 count for graduation purposes.

Fifth year (168 credits)**All modules are compulsory.**

Auditing	378(24)
Financial Accounting	379(48)
Integrated Legal Studies	444(12)
Management Accounting	378(36)
Taxation	399(36)
One first semester LLB elective modules (12 credits**)	
** See the Faculty of Law's Calendar part for the elective modules in the final year of the four-year LLB.	

6.4 BAccLLB (*before 2022*)

The programme set out below is being phased out and only applies to students that registered for the programme prior to 2022. Students admitted for 2022 and thereafter must register for the programme as set out at 6.3 above.

If you are a student in this programme and you do not pass a law module in the relevant year of study, you must take note of the bridging rules contained in the Faculty of Law's Calendar part.

Interdepartmental and interfaculty collaboration

This programme is presented jointly with the Faculty of Law. It enables you to complete both the BAcc and the LLB degrees as a single, combined qualification in a minimum time of five years.

Admission requirements

- An overall average of at least 80%, excluding Life Orientation, in the National Senior Certificate (NSC) or Independent Examinations Board (IEB) school-leaving certificate
- Mathematics 70% *or*
Mathematics 60% and Accounting 70%
- One of the following:
 - Afrikaans Home Language 60% *or*
 - English Home Language 60% *or*
 - Afrikaans First Additional Language 70% *or*
 - English First Additional Language 70%

Duration and offering type of programme

Five years, full-time.

Programme's mode of delivery

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

Professional qualification

This programme offers the applicable education necessary to qualify as a Chartered Accountant and as a legal practitioner simultaneously.

Enquiries

Programme leader: Ms Silke de Lange

Faculty of Law

Tel: 021 808 3202

E-mail: silkeb@sun.ac.za

Website: www.sun.ac.za/law

Programme content

You must earn a total of 844 credits, as outlined below.

For the module contents of BAcc subjects, see the chapter "Subjects, Modules and Module Contents" at the end of this Calendar part, and for the module contents of law subjects, see the Faculty of Law's Calendar part.

First year (168 credits)

All modules are compulsory.

Criminal Law	171(24)
Economics	114(12), 144(12)
Financial Accounting	178(24)
Information Systems	114(12), 144(12)
Introduction to Law	171(24)
Private Law	171(24)
Statistics and Data Science	188(18)
Theory of Interest	152(6)

Please note:

- If you failed the module Information Systems 114 in 2022, or before, you must register for Digital and Leadership Acumen 112 *and* 142. Information Systems 114 or both Digital and Leadership Acumen 112 *and* 142 count for graduation purposes.
- If you failed the module Information Systems 144 in 2022, or before, you must register for Digital and Leadership Acumen 122 *and* 152. Information Systems 144 or both Digital and Leadership Acumen 122 *and* 152 count for graduation purposes.

Second year (158 credits)**All modules are compulsory.**

Auditing	288(24)
Business Ethics	214(8)
Constitutional Law	271(26)
Information Systems	214(6), 242(6)
Interpretation of Enacted Law	211(12)
Law of Criminal Procedure	271(20)
Private Law	272(16), 273(16)
Roman Law	271(24)

Please note:

- If you failed the module Information Systems 214 in 2022, or before, you must register for Digital and Leadership Acumen 212. Information Systems 214 or Digital and Leadership Acumen 212 count for graduation purposes.
- If you failed the module Information Systems 242 in 2022, or before, you must register for Digital and Leadership Acumen 242. Information Systems 242 or Digital and Leadership Acumen 242 count for graduation purposes.

Third year (174 credits)**All modules are compulsory.**

Constitutional Law	312(12)
Financial Accounting	278(32)
International Law	341(12)
Management Accounting	278(30)
Mercantile Law	311(12), 312(12)
Private Law	372(32), 373(32)

Fourth year (180 credits)**All modules are compulsory.**

Administrative Law	411(16)
Digital and Leadership Acumen	324(12)
Law of Civil Procedure	371(24)
Law of Taxation	411(12)
Taxation	298(24)
Legal Philosophy	341(12)
Legal Skills	411(12)
Mercantile Law	471(32)
Private Law	411(12)
Two LLB elective modules (24 credits**)	
** See the Faculty of Law's Calendar part for the elective modules in the final year of the four-year LLB.	

Please note:

If you failed the module Information Systems 312 in 2022, or before, you must register for Digital and Leadership Acumen 342. Information Systems 312 or Digital and Leadership Acumen 342 count for graduation purposes.

Fifth year (164 credits)**All modules are compulsory.**

Auditing	378(24)
Financial Accounting	379(48)
Law of Evidence	471(20)
Management Accounting	378(36)
Taxation	399(36)

7. BCom (Management Sciences) Extended Degree Programme (EDP) (four years)

Admission requirements

- Overall National Senior Certificate average of at least 60%, excluding Life Orientation
- Mathematics 50%
- One of the following:
 - Afrikaans Home Language 50% *or*
 - English Home Language 50% *or*
 - Afrikaans First Additional Language 60% *or*
 - English First Additional Language 60%

Selection

You will be considered for the BCom (Management Sciences) EDP if you meet the EDP's admission requirements. Furthermore, you will get preference if you meet the socio-economic status (SES) requirements of the University's admissions policy and the SES level determined by the Faculty. The University determines all applicants' SES scores, and final admission depends on the available places.

You can find the University admissions policy and SES considerations on the University website, www.maties.com under "Apply", "Admission and Selection Requirements". Look under the heading "Faculty Selection Guidelines".

Please note:

- If your marks do not meet the admission requirements for a mainstream programme, you can apply for the EDP, as long as you meet the EDP's admission requirements.
- The Faculty may use your NBT results in their decisions about placement in the EDP.

For more about the undergraduate selection process, see the relevant sections at the beginning of this chapter.

Approximately 100 students can be accommodated in the programme each year. The number of students selected is determined by the Faculty's enrolment plan and may differ from year to year.

Should the applicants who meet the admission requirements exceed the capacity of the Faculty's enrolment plan, the criteria of the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

Application procedure and closing date

Follow the normal procedure for BCom programmes:

- Apply electronically at www.maties.com.
- All applications close on **31 July**. (This means that your application must be finalised and **all** documentation must be handed in by this date.)
- No late applications will be accepted.

You will be informed after 31 July (but before 30 September) whether you have provisional acceptance.

Duration and offering type of programme

Four years, full-time.

Programme's mode of delivery

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

Provisions relating to the continuation and termination of studies

If you have not successfully completed the following after a maximum of two registrations, you will not be allowed to register again:

- Mathematics for EMS 171,
- Academic Literacy for EMS 111, *and*
- Introduction to Economics 141.

The readmission criteria that apply to all students in the Faculty apply to EDP students as well (see "Minimum academic credits (HEMIS credits) required for continuing your studies").

Enquiries

Programme leader: Dr Sharon Malan
 Dean's Office
 Tel: 021 808 9427
 E-mail: sbmalan@sun.ac.za

Programme structure

The EDP spreads the BCom (Management Sciences) curriculum out over four academic years instead of three and adds a number of compulsory support modules. Please note that:

- You must take part in the tutorial programmes.
- You must meet with the programme leader regularly to monitor your progress.
- It is compulsory for you to attend classes and other mandatory academic activities.

Please note: You can only change over to another programme from this programme (articulate out of this programme) if you meet specific criteria. Please contact your programme leader in this regard.

Programme content

You must earn a total of 424 credits.

Except for the support modules, the module in this programme come from the curriculum prescribed for the BCom (Managements Sciences). In choosing your modules, please take note of the stipulations regarding timetable clashes in the general section at the beginning of this chapter.

The following support modules are in the programme. It is compulsory for you to register for these modules and attend their classes and tutorials:

- Academic Literacy for EMS 111
- Mathematics for EMS 171
- Introduction to Economics 141

Please note the following prerequisite pass requirements for the EDP:

Prerequisite pass	For this purpose
Mathematics for EMS 171	Statistics and Data Science 188
Introduction to Economics 141	Economics 114 and 144
Academic Literacy for EMS 111	Overall re-admittance to the second year

First year (92 credits)

Compulsory modules

Academic Literacy for Economic and Management Sciences	111(12)
Business Management	113(12), 142(6)
Introduction to Economics	141(12)
Financial Accounting	179(26)
Mathematics for Economic and Management Sciences	171(18)
Theory of Interest	152(6)

Second year (110 credits)

Compulsory modules

Economics	114(12), 144(12)
Information Systems	112(6)
Professional Communication for EMS	144(6)
Statistics and Data Science	188(18)

Elective modules

Choose subjects to a total of at least 56 credits:

Entrepreneurship and Innovation Management	214(16)*, 244(16)*
Financial Management	214(16), 244(16)*
Industrial Psychology	114(12), 144(12)
Information System Management	212(8), 224(16), 254(16), 262(8)
Introduction to Transport and Logistics Systems	144(12)
Logistics and Supply Chain Management	214(16)*, 244(16)*
Marketing Management	214(16)*, 244(16)*
Public and Development Management	114(12), 144(12)

* Writing- and information-enriched modules. In your third year this becomes important – see below.

Third year (102 credits)

Elective modules

You must take at least 32 credits from writing- and information-enriched modules (marked with an *). These modules can be spread over the second and third years, so take into account the modules marked above (in the second year).

Business Analytics	214(16), 244(16)
Economics	214(16)*, 244(16)*, 281(32)*
Entrepreneurship and Innovation Management	214(16)*, 244(16)*
Financial Accounting	288(32)
Financial Management	214(16), 244(16)*
Industrial Psychology	214(16), 224(16)*, 252(8), 262(8)
Information System Management	224(16), 254(16), 262(8)
Investment Management	254(16)
Logistics and Supply Chain Management	214(16)*, 244(16)*
Marketing Management	214(16)*, 244(16)*
Transport Economics	214(16), 244(16)

Fourth year (120 credits)

Choose 120 credits from the list below of which two subjects must be majors. Each major must be worth at least 48 credits.

Business Analytics	318(24), 348(24)
Economics	318(24), 348(24)
Entrepreneurship and Innovation Management	318(24), 348(24)
Financial Management	314(12), 332(12), 352(12), 354(12)
Human Capital Metrics	344(12)
Industrial Psychology	314(12), 324(12), 348(24)
Information System Management	314(18), 334(18), 354(18), 364(18)
Introduction to Intercultural Communication	344(12)
Investment Management	314(12), 324(12), 344(12), 348(12), 354(12)
Logistics and Supply Chain Management	314(12), 324(12), 344(12), 354(12)
Management of Corporate Social Responsibility	314(12)
Marketing Management	314(12), 324(12), 344(12), 354(12)
Project Management	314(24)
Strategic Management	344(12)
Taxation	388(24)
Transport Economics	318(24), 348(24)

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 (Quantitative Management)
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 B to this Calendar 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) of the Calendar, under "Assessments and Promotions".
- For the general specifications for assignments, theses, and dissertations, consult the section "Postgraduate Qualifications" in Part 1 (General) of the Calendar.
- 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 Lymedoch. The place where a particular diploma programme will be presented, if not Stellenbosch campus, is indicated below for each individual Programme under "Programme structure".

2. Postgraduate diploma programmes

If you have not done so yet, please also consult the general section of this chapter for information on things like selection and postgraduate assessment. For information on the recognition of prior learning (RPL) and credit transfer and accumulation (CAT), and links to the University's and the Faculty's regulations in this regard, see the chapter "General information" at the beginning of this book.

2.1 Postgraduate Diploma in Accounting

Admission requirements

For students with degrees from Stellenbosch University

- A weighted average final mark of at least 60% for the following modules in the BAcc or BAccLLB programme:
 - Financial Accounting 379
 - Taxation 399
 - Management Accounting 378
 - Auditing 378

The following weightings are used in the calculation of the weighted average final mark:

- Financial Accounting and Management Accounting, 4 each;
- Taxation and Auditing, 3 each.

or

- A weighted average final mark of at least 55% for the following modules in the BAcc or BAccLLB programme:
 - Financial Accounting 379
 - Taxation 399
 - Management Accounting 378
 - Auditing 378

and

A final mark of at least 55% for Financial Accounting 379

The following weightings are used in the calculation of the weighted average final mark:

- Financial Accounting and Management Accounting, 4 each;
- Taxation and Auditing, 3 each.

For students with degrees from other universities

If you obtained an undergraduate qualification from another higher education institution, which is equivalent to the BAcc (NQF level 7) or BAccLLB (NQF level 8) and is accredited with SAICA, the admission requirements for you are the same as for students with degrees from Stellenbosch University.

If you have a degree from an international university, you will not be admitted directly to the programme. In that case, you must first supplement certain undergraduate modules. You can request more details from the School of Accountancy.

Selection

The number of students selected will be influenced by, among other things, staff capacity and the availability of resources within the School, as well as academic merit and university transformation objectives. As staff capacity and resources may fluctuate from year to year, the number of students selected can also differ from year to year.

Should the applicants who meet the admission requirements exceed the capacity of the School, the criteria of the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

Application procedure and closing date

Apply at www.sun.ac.za/pgstudies. The closing date for applications is **31 October** of the year before your intended studies.

Duration, offering type and starting date of programme

Duration: One year, full-time.

Starting date: There may be a compulsory induction programme before classes officially start.

Programme's mode of delivery

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

Assessment and examination

A compulsory examination is written in October. Tests and assignments (if any) that are assessed on a continuous basis supplement the final mark. You must pass all the compulsory modules (see the table below) in the same academic year to pass the programme. If you do not pass the programme after the examination, you may possibly be admitted to the supplementary examination in one or more modules. The supplementary examination is written in November.

Qualifying as a Chartered Accountant

The South African Institute of Chartered Accountants (SAICA) controls the chartered accounting profession in the Republic of South Africa. To qualify as a Chartered Accountant (after obtaining a bachelor's degree), you must:

- pass a SAICA-accredited undergraduate and postgraduate programme;
- pass both SAICA's Initial Test of Competence and their Assessment of Professional Competence;
and
- complete a three-year traineeship at an approved training organisation.

To gain admission to SAICA's Initial Test of Competence, you must obtain either the Postgraduate Diploma in Accounting or the degree BAccHons at this University, or another degree or diploma that has been approved by SAICA for this purpose.

To gain admission to SAICA's Assessment of Professional Competence, you must:

- successfully complete the Initial Test of Competence;
- successfully complete a preparatory course (at an approved educational organisation) aimed at the Assessment of Professional Competence;
- complete 20 months of traineeship at an approved training organisation.

Enquiries

Programme administrator: Mr Kyle Gordon

School of Accountancy

Tel: 021 808 3845

E-mail: kdgordon@sun.ac.za

Website: www.sun.ac.za/accountancy

Enquires will be referred to the correct contact person.

Programme leaders:

Prof Kobus van Schalkwyk
School of Accountancy
Tel: 021 808 3682
E-mail: cjvs1@sun.ac.za

Prof Stiaan Lamprecht
School of Accountancy
Tel: 021 808 3844
E-mail: clam@sun.ac.za

Programme content

Programme module

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

Code	Module	Credits	Module Name	Semester
18163	788	120	Accounting	Both

The following Accounting subject areas are presented as an integrated unit:

- Auditing, Regulation and Information Systems
- Financial Accounting
- Financial Management
- Management Decision-making and Control
- Strategy and Risk Management
- Taxation

Compulsory modules

Also see the outline of integrated subject areas above.

Code	Module	Credits	Module Name	Semester
14072	771	24	Auditing, Regulation and Information Systems	Both
26883	771	40	Financial Accounting	Both
14071	771	32	Management Accounting and Finance	Both
18287	771	24	Taxation	Both

2.2 Postgraduate Diploma in Actuarial Science

You can apply for this programme if you have completed an honours degree in Actuarial Science and wish to study further towards an actuarial qualification but do not yet want to take a master's degree programme (which has a significant research component).

Admission requirements

- A BCom (Actuarial Science) or equivalent degree with Actuarial Science and Mathematical Statistics as majors and Mathematics to at least second-year level.
- Exemptions from or passes in the profession's examinations for at least six of the foundation technical and intermediate technical examinations of the Actuarial Society of South Africa (or at least six of the core principles examinations of the Institute and Faculty of Actuaries).

Please note:

It is expected that you should have an average mark for both third-year Actuarial Science and third-year Mathematical Statistics of at least 60%.

Selection

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

Should the applicants who meet the admission requirements exceed the capacity of the Department, the criteria of the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

Application procedure and closing date

Application procedures and dates are advertised by the Department of Statistics and Actuarial Science in December and June of every year. For more information, contact the Department at the details below under "Enquiries".

Duration, offering type and starting date of programme

Duration: Minimum one year, full-time.

Starting date: January.

Programme's mode of delivery

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

Enquiries

Head of Actuarial Science: Prof Garrett Slattery

Department of Statistics and Actuarial Science

Tel: 021 808 3248

E-mail: actuarial@sun.ac.za

Website: www.sun.ac.za/statistics (click on "Programmes", "Actuarial Science", "Postgraduate")

Programme content

Programme module

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

Code	Module	Credits	Module Name	Semester
43214	788	120	Actuarial Science	Both

The elective modules which may be taken to make up the total number of credits are listed below.

Elective modules (120 credits)

Code	Module	Credits	Module Name	Semester
12302	774	60	Actuarial Risk Management (A311)	Both
13697	811	60	Capita Selecta: Actuarial Applications A	1
13699	841	60	Capita Selecta: Actuarial Applications B	2
14224	741	6	Capita Selecta: Actuarial Principles A	1
14225	742	15	Capita Selecta: Actuarial Principles B	2
14226	743	30	Capita Selecta: Actuarial Principles C	2
10365	846	45	Enterprise Risk Management Principles (F106)	2
10364	845	45	Finance and Investment Principles (F105)	2
10360	843	45	General Insurance Principles (F103)	2
10368	811	45	Health and Care Principles (F101)	1
10372	812	45	Life Insurance Principles (F102)	1
10376	814	45	Pensions Principles (F104)	2

Furthermore, you may take modules totalling up to 30 credits from topics offered in the Mathematical Statistics or Financial Risk Management postgraduate programmes (as approved by the Head of Actuarial Science from time to time).

Please note:

Some of the elective modules may not be offered in a given year. Please contact the Department of Statistics and Actuarial Science to find out which modules will be available.

2.3 Postgraduate Diploma in Business Management and Administration

Admission requirements

- One of the following:
 - A three-year bachelor's degree *or*
 - An advanced diploma at NQF level 7 or higher *or*
 - A postgraduate diploma;
- A minimum of two years' relevant full-time work experience (preferably at a managerial level);
- Proficiency in English;
- Complete the SHL assessment battery (Numeric, Verbal and Logical Reasoning) aligned with predefined programme requirements.

Further requirements

In addition to the requirements above, you must:

- Submit a comprehensive CV indicating all your work experience.
- Submit one entrance essay. The entrance essay of between 400-500 words should focus on the prospective student's personal and external development. The essay provides insights concerning the student's motivation to study and provides evidence of writing ability.

Selection

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

Should the applicants that meet the admission requirements exceed the capacity of Stellenbosch Business School, a selection process is applied by a selection committee. The criteria that are applied by the committee, include multiple components supporting the Stellenbosch Business School's drive for inclusivity and upholding our global standard for learning. The Stellenbosch Business School selection committee considers work experience, qualifications, assessment results, writing ability and motivation for further development when choosing suitable candidates. These criteria are used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

Application procedure and closing date

Contact the Stellenbosch Business School directly at the details below under "Enquiries" to find out about the application process and closing date.

Duration of programme and starting date

Duration: One or two years for both the hybrid-learning option and the full-contact option.

Starting date: January.

Further study possibilities

The Postgraduate Diploma in Business Management and Administration prepares you for the Master's in Business Management and Administration (MBA) and makes you eligible for entry into the MBA.

Enquiries

Stellenbosch Business School Admissions Office
Stellenbosch Business School
E-mail: admissions@usb.ac.za

Website: www.usb.ac.za

Programme administrator: Ms Olivia Mesias
Stellenbosch Business School
Tel: 021 918 4254
E-mail: leoo@usb.ac.za

Programme structure

This programme is presented at the Bellville Park campus and online in full-contact and hybrid mode.

The **full-contact mode** is delivered in four one-week blocks on campus and in person over one or two years. Detailed schedules are available on the Stellenbosch Business School website.

In the **hybrid mode** students have the option to attend compulsory classes either synchronously online or face to face (F2F) on campus. Detailed schedules are available on the Stellenbosch Business School website.

Programme content

Programme module

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

Code	Module	Credits	Module Name	Semester
10723	778	120	Business Management and Administration	Both

Compulsory modules

Code	Module	Credits	Module Name	Semester
11984	714	15	Business Finance	Both
14384	715	15	Business Process Management	Both
13026	714	15	Entrepreneurial Innovation	Both
23795	714	15	Marketing Management	Both
14383	714	15	Responsible Leadership	Both
11322	714	15	Understanding the World	Both

Elective modules

Choose two modules. One module chosen from Business Analytics or Managing of Projects or Thinking Frameworks and one module chosen from Managing Risk and Uncertainty or Organisational Behaviour.

Code	Module	Credits	Module Name	Semester
14023	714	15	Business Analytics	Both
12978	714	15	Managing of Projects	Both
14388	714	15	Managing Risk and Uncertainty	Both
13888	715	15	Organisational Behaviour	Both
14385	714	15	Thinking Frameworks	Both

2.4 Postgraduate Diploma in Development Finance

Admission requirements

- A Bachelor's degree in any of the following: Economics, Finance, Accounting, Commerce or Management;
- or
- Any other three-year bachelor's degree with at least two years of relevant experience.
- Complete the SHL assessment battery (Numeric, Verbal and Logical Reasoning) aligned with predefined programme requirements.

Further requirements

In addition to the requirements above, you must:

- Submit a comprehensive CV indicating all of your work experience.
- Submit one entrance essay. The entrance essay of between 400-500 words should focus on the prospective student's personal and external development. The essay provides insights concerning the student's motivation to study and provides evidence of writing ability.

Selection

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

Should the applicants that meet the admission requirements exceed the capacity of Stellenbosch Business School, a selection process is applied by a selection committee. The criteria that are applied by the committee, include multiple components supporting the Stellenbosch Business School's drive for inclusivity and upholding our global standard for learning. The Stellenbosch Business School selection committee considers work experience, qualifications, assessment results, writing ability and motivation for further development when choosing suitable candidates. These criteria are used to rank the applicants in order of suitability, and to finalise the list of selected applications.

Application procedure and closing date

Contact the Stellenbosch Business School directly at the details under "Enquiries" below to find out about the application process and closing date.

Duration of programme and starting date

Duration: One or two years for both the hybrid-learning option and the full-contact option.

Starting date: January

Further study possibilities

The Postgraduate Diploma in Development Finance prepares you for the MPhil (Development Finance) and allows you to comply with the admission requirements of the MPhil programme.

Enquiries

Stellenbosch Business School Admissions Office
Stellenbosch Business School
E-mail: admissions@usb.ac.za

Website: www.usb.ac.za

Programme administrator: Ms Mandy Samuels
Stellenbosch Business School
Tel: 021 918 4206
E-mail: mandys@usb.ac.za

Programme structure

This programme is presented at the Bellville Park campus and online in full-contact and hybrid mode.

The **full-contact mode** is delivered in four one-week blocks on campus and in person over one or two years. Detailed schedules are available on the Stellenbosch Business School website.

In the **hybrid mode** you have the option to attend compulsory classes either synchronously online or face-to-face (F2F) on campus. Detailed schedules are available on the Stellenbosch Business School website.

Programme content

Programme module

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

Code	Module	Credits	Module Name	Semester
58424	778	120	Development Finance	Both

The modules to take are listed below.

Compulsory modules (120 credits)

Code	Module	Credits	Module Name	Semester
14382	714	15	Financial Analysis and Project Appraisal	Both
14096	714	15	Financing for Development	Both
14098	714	15	Financing Public Sector Projects	Both
12978	714	15	Managing of Projects	Both
14388	714	15	Managing Risk and Uncertainty	Both
11326	715	15	Monitoring and Evaluation of Development Projects	Both
14383	714	15	Responsible Leadership	Both
11322	714	15	Understanding the World	Both

2.5 Postgraduate Diploma in Environmental Management

Admission requirements

- A bachelor's degree with a final pass mark of at least 60% in any of the following major subjects:
 - Geography and Environmental Studies,
 - Economics,
 - Geology,
 - Zoology,
 - Logistics,
 - Ecology/Nature Conservation,
 - Architecture,
 - Surveying,
 - Public and Development Management,
 - Sociology,
 - Botany,
 - Agricultural Economics,
 - Forestry,
 - Civil Engineering,
 - Town and Regional Planning;
 - Any other field regarded as equivalent;
- Other qualifications could be accommodated based on equivalent programme content and relevant work experience as indicated on your application.
- A motivational letter explaining why you are interested in this programme.

Further requirements

By the time classes start, you must be computer literate enough to be able to use the SUNLearn electronic platform and submit your assignments electronically. In other words, you must be able to use MS Word, e-mail and the internet.

Recognition of prior learning (RPL)

Your experience must comply with the recognition of prior learning (RPL) regulations of the University, the Faculty, and the School of Public Leadership. For more information on RPL and links to the University's and the Faculty's RPL regulations, see the chapter "General Information" at the beginning of this book.

Selection

A maximum of 30 students are admitted to the programme. The number of students selected will be influenced by, among other things, staff capacity and the availability of resources within the School, as well as academic merit and University transformation objectives. As staff capacity and resources may fluctuate from year to year, the number of students selected can also differ from year to year.

Should the applicants who meet the admission requirements exceed the capacity of the School, the criteria of the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

Application procedure and closing date

Apply at www.sun.ac.za/pgstudies by **31 October** of the year before your intended studies.

If you are selected, you must pay a deposit to secure your place on the programme. This deposit is not refundable.

Duration of programme and starting date

Duration: One year.

Starting date: The programme normally starts late January or early February, before University classes officially start.

Programme's mode of delivery

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

Enquiries

Programme administrator: Ms Jennifer Saunders

School for Public Leadership

Tel: 021 808 2151

E-mail: jjs3@sun.ac.za

Website: www.sun.ac.za/english/faculty/economy/spl

Programme structure

The programme is presented on a full-contact basis. You must attend eight compulsory contact sessions over the course of the year. Each contact session is one to two weeks long.

Programme content

Programme module

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

Code	Module	Credits	Module Name	Semester
55255	778	120	Environmental Management	Both

Compulsory modules (105 credits)

Code	Module	Credits	Module Name	Semester
55492	771	15	Development Planning and Environmental Analysis	Both
59617	775	15	Environmental Economics	Both
10769	771	15	Environmental Ethics (Advanced Study)	Both
11919	771	15	Environmental Governance	Both
11179	771	15	Environmental Issues	Both
60704	771	15	Environmental Law	Both
11176	771	15	Geographical Information Systems in Environ Analysis Management	Both

Elective modules (15 credits)

Choose one of the two modules below.

Code	Module	Credits	Module Name	Semester
11651	771	15	Renewable Energy Policy	Both
58718	771	15	Sustainable Development	Both

Please note:

You may also ask the programme administrator's permission to exchange your elective module for any other module from the Postgraduate Diploma in Sustainable Development.

2.6 Postgraduate Diploma in Financial Planning

Admission requirements

- One of the following:
 - BCom *or*
 - LLB *or*
 - A relevant bachelor's degree that has been approved by Senate.
- Grade 12 Mathematics
 - after 2008: 50%.
 - before 2009: Mathematics SG 60% *or* Mathematics HG 40%.

Selection

The number of students selected will be influenced by, among other things, staff capacity and the availability of resources within the School, as well as academic merit and University transformation objectives. As staff capacity and resources fluctuate from year to year, the number of students selected can differ from year to year.

Should the applicants who meet the admission requirements exceed the capacity of the School, the criteria of the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

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 of programme and starting date

Duration: One or two years, hybrid learning.

Starting date: January.

Assessment

You must write an additional examination by the Financial Planning Institute of Southern Africa (FPI) to comply with one of the requirements for accreditation as a Certified Financial Planner® (CFP®). This examination is administered by the FPI.

Enquiries

Stellenbosch Business School Admissions Office

Stellenbosch Business School

E-mail: admissions@usb.ac.za

Website: www.usb.ac.za

Programme administrator: Ms Melanie Koopman

Stellenbosch Business School

Tel: 021 918 4269

E-mail: melaniek@sun.ac.za

Programme structure

This programme is presented at the Bellville Park campus and online in a hybrid mode. In the hybrid mode you have the option to attend compulsory classes either synchronously online or in person on campus. Detailed schedules are available on the Stellenbosch Business School website.

Programme content

Programme module

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

Code	Module	Credits	Module Name	Semester
59765	778	120	Financial Planning	Both

All modules are compulsory.

Code	Module	Credits	Module Name	Semester
10574	713	30	Corporate Financial Planning	1
10454	744	30	Financial Planning Case Study	2
10455	711	30	Financial Planning Environment	1
10647	742	30	Personal Financial Planning	2

2.7 Postgraduate Diploma in Futures Studies

2.7.1 Futures Studies: General

Admission requirements

- An appropriate, recognised and valid bachelor's degree from a university or university of technology.
- A minimum of two years' experience in the field of strategic management or long-term planning.
- Complete the SHL assessment battery (Numeric, Verbal and Logical Reasoning) aligned with predefined programme requirements.

Further requirements

In addition to the requirements above, you must:

- Submit a comprehensive CV indicating all of your work experience.
- Submit one entrance essay. The entrance essay of between 400-500 words should focus on the prospective student's personal and external development. The essay provides insights concerning the student's motivation to study and provides evidence of writing ability.

Selection

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

Should the applicants that meet the admission requirements exceed the capacity of Stellenbosch Business School, a selection process is applied by a selection committee. The criteria that are applied by the committee, include multiple components supporting the Stellenbosch Business School's drive for inclusivity and upholding our global standard for learning. The Stellenbosch Business School selection committee considers work experience, qualifications, assessment results, writing ability and motivation for further development when choosing suitable candidates. These criteria are used to rank the applicants in order of suitability, and to finalise the list of selected applications.

Application procedure and closing date

Contact the Stellenbosch Business School directly at the details below under "Enquiries" to find out about the application process and closing date.

Duration of programme and starting date

Duration: One or two years for both the hybrid-learning option and the full-contact option.

Starting date: January.

Further study possibilities

The Postgraduate Diploma in Futures Studies prepares you for the MPhil (Futures Studies) and makes it possible for you to comply with the admission requirements of the MPhil programme.

Enquiries

Stellenbosch Business School Admissions Office

Stellenbosch Business School

E-mail: admissions@usb.ac.za

Website: www.usb.ac.za

Programme administrator: Ms Mandy Samuels

Stellenbosch Business School

Tel: 021 918 4203

E-mail: mandys@usb.ac.za

Programme structure

This programme is presented at the Bellville Park campus and online in full-contact and hybrid mode.

The **full-contact mode** is delivered in four one-week blocks on campus and in person over one or two years. Detailed schedules are available on the Stellenbosch Business School website.

In the **hybrid mode** you have the option to attend compulsory classes either synchronously online or face-to-face (F2F) on campus. Detailed schedules are available on the Stellenbosch Business School website.

Programme content

Programme module

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

Code	Module	Credits	Module Name	Semester
51330	779	120	Futures Studies	Both

Compulsory modules

Code	Module	Credits	Module Name	Semester
14386	714	15	Futures Studies in Practice	Both
11321	714	15	Measuring and Making the Future	Both
11317	714	15	Principles of Futures Studies	Both
14383	714	15	Responsible Leadership	Both
14491	716	15	The Future of Technology	Both
14385	714	15	Thinking Frameworks	Both
11322	714	15	Understanding the World	Both

Elective modules – select one

Code	Module	Credits	Module Name	Semester
14388	714	15	Managing Risk and Uncertainty	Both
13888	715	15	Organisational Behaviour	Both

2.7.2 Focal area: Managing New Technologies

Description of focal area

Study in this focal area will equip you to become digital and data literate in order to manage new technologies in your environment. It is also aimed at improving the leadership capabilities of all managers regarding the management of new technology. This translates into strengthening your organisation's resilience amidst the increasing digitisation of services, products, devices and ways of working.

Programme module

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

Compulsory modules

Code	Module	Credits	Module Name	Semester
14488	716	15	Management of Technology and Innovation	Both
14489	716	15	Managing New Technologies	Both
14490	716	15	New Technologies Taxonomy	Both
14383	714	15	Responsible Leadership	Both
14491	716	15	The Future of Technology	Both
14385	714	15	Thinking Frameworks	Both
11322	714	15	Understanding the World	Both

Elective modules – select one

Code	Module	Credits	Module Name	Semester
14388	714	15	Managing Risk and Uncertainty	Both
13888	715	15	Organisational Behaviour	Both

2.8 Postgraduate Diploma in HIV/AIDS Management

Admission requirements

- Any bachelor's degree or Advanced Diploma or equivalent.

Further requirements

- Appropriate managerial experience.
- Computer skills (MS Word, internet and e-mail).

Selection

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

Should the applicants who meet the admission requirements exceed the capacity of the Centre, the criteria of the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

Application procedure and closing date

South African as well as international students must apply by **31 October** of the year before their intended studies. Application forms are available on the website of the Africa Centre for HIV/AIDS Management.

Duration of programme and starting date

Duration: One year.

Starting date: January.

Programme's mode of delivery

Hybrid learning.

Enquiries

Programme administrator: Mr Fanyane Chabalala

Africa Centre for HIV/AIDS Management

Tel: 021 808 3006

E-mail: wchabalala@sun.ac.za

Website: www.aidscentre.sun.ac.za

Programme structure

The Africa Centre for HIV/AIDS Management present this programme through blended learning. This includes compulsory attendance of a summer school in January, satellite classes during the year and online teaching.

Programme content

Programme module

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

Code	Module	Credits	Module Name	Semester
57665	778	120	HIV/AIDS Management	Both

All modules are compulsory.

Code	Module	Credits	Module Name	Semester
56111	714	20	HIV/AIDS Policy	Both
56146	712	20	Management in the Era of HIV/AIDS	2
56138	717	20	Prevention and Care for People Living with HIV/AIDS	2
56154	715	20	Research Monitoring and Evaluation of HIV/AIDS Programmes	2
56103	716	20	Socio-cultural Aspects of HIV/AIDS	Both
56081	713	20	The Epidemiology and Problem of HIV/AIDS	Both

2.9 Postgraduate Diploma in Leadership Development

Admission requirements

- A relevant bachelor's degree or Advanced Diploma.
- Proven relevant working experience of five to seven years in a managerial position.

Further requirements

- You may be required to take part in a telephonic or personal interview.

Selection

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

Should the applicants who meet the admission requirement exceed the capacity of the School, the criteria of the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

Application procedure and closing date

Contact the Stellenbosch Business School directly at the details below under "Enquiries" to find out about the application process and closing date.

Duration of programme and starting date

Duration: One year, hybrid learning.

Starting date: February.

Enquiries

Stellenbosch Business School Admissions Office

Stellenbosch Business School

E-mail: admissions@usb.ac.za

Website: www.usb.ac.za

Programme administrator: Ms Olivia Mesias

Stellenbosch Business School

Tel: 021 918 4269

E-mail: leoo@usb.ac.za

Programme structure

This programme is presented at the Bellville Park campus and online in a hybrid mode. The hybrid mode comprises both compulsory on-campus contact block sessions and synchronous (in real-time) online classes. Detailed schedules are available on the Stellenbosch Business School website.

Programme content

Programme module

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

Code	Module	Credits	Module Name	Semester
12345	778	120	Leadership Development	Both

Compulsory modules (100 credits)

Code	Module	Credits	Module Name	Semester
12770	712	14	High-impact Leadership and Teaming	Both
11313	712	28	Integrated Personal Leadership Development	Both
14093	712	10	Leadership and Society	Both
14094	712	10	Leadership, Transformation, and Inclusivity	Both
14084	712	14	Leading High-performance Culture	Both
12768	712	14	Personal Authentic Leadership	Both
12383	712	10	Strategic Leadership	Both

Elective modules (20 credits)

Choose one module of 20 credits.

Code	Module	Credits	Module Name	Semester
14092	712	20	Advanced Technology Leadership	Both
14091	712	20	Dispute Settlement	Both
14090	712	20	Leadership and Coaching	Both

Please note:

You may also do the elective module, International NPO Leadership, from the focal area programme set out below.

2.9.1 Focal area: Leadership Development in Non-profit Organisations (NPOs)

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

Compulsory modules (100 credits)

Code	Module	Credits	Module Name	Semester
12770	712	14	High-impact Leadership and Teaming	Both
11313	712	28	Integrated Personal Leadership Development	Both
14084	712	14	Leading High-performance Culture	Both
14085	719	10	Leading Strategy in NPOs	Both
14088	719	10	Management Control in NPOs	Both
12768	712	14	Personal Authentic Leadership	Both
14086	719	10	Quality and Integrity in NPOs	Both

Elective module (20 credits)

You may take the following elective module or choose one from the elective modules in the main PGDip in Leadership Development programme that is set out above. Not all the elective modules are necessarily presented every year. You must contact the Stellenbosch Business School to find out which modules will be presented in a specific year.

Code	Module	Credits	Module Name	Semester
14089	719	20	International NPO Leadership	Both

2.10 Postgraduate Diploma in Marketing

Admission requirements

- Any acceptable bachelor's degree obtained in a field other than marketing.
- The field of marketing includes the following disciplines at bachelor's level: marketing, consumer behaviour, retail management, marketing communication and services marketing.
- An average final mark of at least 55% for all major final-year modules of the bachelor's degree.
- A letter of motivation to the Department of Business Management.
- The student should not be enrolled for any other degree and/or diploma programme at Stellenbosch University or any other institution at the time.

Apart from the prerequisites stated above, prospective students should note that admission to the Postgraduate Diploma in Marketing programme is also subject to the attendance of a compulsory orientation programme during the week(s) before the commencement of the official academic programme.

Selection

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

Should the applicants who meet the admission requirement exceed the capacity of the Department, the criteria of the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

Application procedure and closing date

- You can apply through the standard Stellenbosch University application process by visiting www.sun.ac.za/pgstudies.
- Apply by **31 October** of the year before your intended studies. This applies to South African as well as international applicants.
- You must also submit a motivation letter explaining why you are interested in the programme electronically to apaint@sun.ac.za or marketingdiploma@sun.ac.za by 31 October of the year before your intended studies.

Duration, offering type and starting date of programme

Duration: One year, full-time, from January to November. All lectures are compulsory.

Starting date: The last week of January.

Programme's mode of delivery

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

Enquiries

Programme administrator: Ms Annali Maass

Department of Business Management

Tel: 021 808 3415

E-mail: apaint@sun.ac.za or marketingdiploma@sun.ac.za

Website: www.sun.ac.za/english/faculty/economy/business-management

Programme content

Programme module

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

Code	Module	Credits	Module Name	Semester
60801	788	120	Marketing	Both

All modules are compulsory.

Code	Module	Credits	Module Name	Semester
10532	719	10	Brand Management	1
59625	715	7	Consumer Behaviour	1
14375	746	5	Digital Marketing	2
11157	717	5	Financial Methods	2
10538	718	5	Industrial Marketing	1
14376	716	10	Integrated Marketing Communication	1
60801	714	13	Introduction to Marketing	1
10400	750	20	Marketing Plan	Both
10399	745	15	Marketing Research	Both
65641	749	10	Retail Management	2
10423	748	10	Services Marketing	1
10709	747	10	Strategic Marketing	2

2.11 Postgraduate Diploma in Public Finance Management

Admission requirements

One of the following:

- An appropriate bachelor's degree or equivalent qualification in any of the following: Public Administration, Accounting, Economics, Finance or Commerce
or
- Any three-year bachelor's degree with a minimum of three years' relevant work experience (preferably at management level) in public finance management.

Further requirement

- Computer literacy: By the time classes start, you must be able to use MS Excel at an intermediate level, as well as MS Word, e-mail and the internet.

Recognition of prior learning (RPL) and credit accumulation and transfer (CAT)

If you have successfully completed academic programmes in public financial management at the School of Public Leadership at NQF Level 8, you may be eligible to have those credits transferred to the Postgraduate Diploma in Public Finance Management. The transferred credits may be worth up to a maximum of 50% of the credits required for this diploma.

For more on RPL/CAT and links to the University's and the Faculty's RPL/CAT regulations, see the chapter "General information" at the beginning of this book.

Selection

The number of students selected will be influenced by, among other things, staff capacity and the availability of resources within the School, as well as academic merit and University transformation objectives. Since staff capacity and resources may fluctuate from year to year, the number of students selected may also differ from year to year.

Should the applicants who meet the admission requirements exceed the capacity of the School, they will be ranked according to the admission requirements to finalise the list of selected applicants.

Application procedure and closing date

- Only online applications will be accepted: Apply at www.sun.ac.za/pgstudies.
- You must apply before **15 December** of the year before your intended studies or contact the programme administrator to enquire about late application.
- For more on the application and admission process, see section 1 of this chapter.

Duration of programme and starting date

Duration: one year (part-time)

Starting date: March.

Programme's mode of delivery

Hybrid learning.

Further study possibilities

After completing the Postgraduate Diploma in Public Finance Management you may apply for admission to the MPA (Master's Degree in Public Administration). A full research proposal needs to accompany your application.

Programme structure

You must attend two contact weeks per semester in Bellville; that is, four contact weeks in total for the year. If enough students from a region register for the PGDip, contact weeks may also be offered at a venue in that region. Contact weeks are supplemented by interactive online sessions.

Enquiries

Programme administrator: Ms Gabby Emjedi

School of Public Leadership

Tel: 021 918 4403

E-mail: gabieba@sun.ac.za

Website: www.sun.ac.za/english/faculty/economy/spl

Programme content

You must earn 120 credits.

Code	Module	Credits	Module Name	Semester
14014	778	120	Public Finance Management	Both

Compulsory modules

Code	Module	Credits	Module Name	Semester
13385	771	20	Accounting for Decision-making	1
14011	772	20	Auditing and Accountability	2
14010	711	20	Financial and Performance Reporting	2
12939	713	20	Financial Management	1
12276	773	15	Information Technology	2
14013	714	10	Public Finance	1
14012	712	15	Strategic Management and Leadership	1

2.12 Postgraduate Diploma in Project Management

Admission requirements

- A relevant bachelor's degree.
- A minimum of two years' experience in a project management position.
- Complete the SHL assessment battery (Numeric, Verbal and Logical Reasoning) aligned with predefined programme requirements

Further requirements

In addition to the requirements above, you must:

- Submit a comprehensive CV indicating all of your work experience.
- Submit one entrance essay. The entrance essay of between 400-500 words should focus on the prospective student's personal and external development. The essay provides insights concerning the student's motivation to study and provides evidence of writing ability.

Selection

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

Should the applicants that meet the admission requirements exceed the capacity of Stellenbosch Business School, a selection process is applied by a selection committee. The criteria that are applied by the committee, include multiple components supporting the Stellenbosch Business School's drive for inclusivity and upholding our global standard for learning. The Stellenbosch Business School selection committee considers work experience, qualifications, assessment results, writing ability and motivation for further development when choosing suitable candidates. These criteria are used to rank the applicants in order of suitability, and to finalise the list of selected applications.

Application procedure and closing date

Contact the Stellenbosch Business School directly at the details below under "Enquiries" to find out about the application process and closing date.

Duration, offering type and starting date of programme

Duration: One or two years for both the hybrid-learning option and the full-contact option.

Starting date: January

Enquiries

Stellenbosch Business School Admissions Office

Stellenbosch Business School

E-mail: admissions@usb.ac.za

Website: www.usb.ac.za

Programme administrator: Ms Ashlene Appollis
 University of Stellenbosch Business School
 Tel: 021 918 4150
 E-mail: appollisa@usb.ac.za

Programme structure

This programme is presented at the Bellville Park campus and online in full-contact and hybrid mode.

The **full-contact mode** is delivered in four one-week blocks on campus and in person over one or two years. Detailed schedules are available on the Stellenbosch Business School website.

In the **hybrid mode** you have the option to attend compulsory classes either synchronously online or face-to-face (F2F) on campus. Detailed schedules are available on the Stellenbosch Business School website.

Programme content

Programme module

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

Code	Module	Credits	Module Name	Semester
51993	778	120	Project Management	Both

Compulsory modules

Code	Module	Credits	Module Name	Semester
12978	714	15	Managing Projects	Both
12979	715	15	Project Communication Management	Both
14387	714	15	Project Integration Management	Both
12982	714	15	Project Procurement Contracting	Both
12983	715	15	Project Scheduling	Both
14383	714	15	Responsible Leadership	Both
11322	714	15	Understanding the World	Both

Elective modules – select one

Code	Module	Credits	Module Name	Semester
14388	714	15	Managing Risk and Uncertainty	Both
13888	715	15	Organisational Behaviour	Both

2.13 Postgraduate Diploma in Strategic Human Resource Management

Admission requirements

- A Bachelor's degree or Advance Diploma (NQF level 7) or equivalent in any field.
- An average of 55% for your final-year modules.
- Three years' work experience in HR or people management responsibility in a line management position.

Further requirements

- Proficiency in English.
- A comprehensive curriculum vitae.
- A letter (or letters) confirming your employment status and that you have access to a worksite for the practical component of the programme.
- Access to a stable internet connection for online-learning.

Recognition of prior learning (RPL) and credit accumulation and transfer (CAT)

You must comply with the RPL/CAT regulations of the University, the Faculty and the Department of Industrial Psychology. For more information on RPL/CAT and links to the University's and the Faculty's RPL/CAT regulations, see the chapter "General information" at the beginning of this book.

Selection

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

Should the applicants who meet the admission requirement exceed the capacity of the Department, the criteria of the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

Application procedure and closing date

Apply at www.sun.ac.za/pgstudies. South African students must apply by **30 October** of the year before their intended studies and international students by **01 October**.

Duration, offering type and starting date of programme

Duration: One year, full-time, or two years, part-time.

Starting date: January.

Programme's mode of delivery

Hybrid learning.

Assessment

Recognition period of modules

You must pass each required module. If you do not achieve a pass mark for a specific module, you can repeat the module only once.

Enquiries

Programme administrator: Ms Rahkeena Peters

Department of Industrial Psychology

Tel: 021 808 3012

E-mail: indpsych@sun.ac.za

Website: www.sun.ac.za/industrial_psychology

Programme structure

Full-time students take all eight modules in one year, which means four modules per semester, whereas part-time students take the same eight modules over two years, which means four modules per year.

Given that all students are employed full-time in HR management and other people management positions, the programme is offered in hybrid format with a number of block contact sessions through the year. Information and communication technology mediated lectures and discussion groups facilitate your learning experience, and you are connected to other students through the online platform. The contact sessions are offered in English on the Stellenbosch campus. Find the full programme on the departmental website.

Programme content

Programme module

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

Code	Module	Credits	Module Name	Semester
57649	788	120	Strategic Human Resource Management (Part-time)	Both
57649	778	120	Strategic Human Resource Management (Full-time)	Both

All modules are compulsory (120 credits).

Code	Module	Credits	Module Name	Semester
14268	712	15	Compensation	1
51829	715	15	Employment Law	1
51659	716	15	Employment Relations	2
14270	717	15	HR Metrics	2
13888	718	15	Organisation Behaviour	2
14269	713	15	Strategic HR Development and Coaching	2
14271	719	15	Strategic HR Management and Ethics	1
14392	771	15	Talent Management	1

2.14 Postgraduate Diploma in Sustainable Development

Admission requirements

- Any bachelor's or BTech degree or a relevant four-year diploma with a 65% pass mark in one of the following major subjects. Relevant work experience will also be considered for admission.
 - Public and Development Management,
 - Town and Regional Planning,
 - Housing,
 - Architecture,
 - Civil/Structural/Mechanical/Electrical Engineering,
 - Land Surveying,
 - Geology,
 - Geography and Environmental Studies,
 - Ecology/Nature, Conservation,
 - Forestry,
 - Botany,
 - Zoology,
 - Mathematics,
 - Statistics,
 - Economics,
 - Agricultural Economics,
 - Transport Economics,
 - Sociology,
 - Social Sciences,
 - Psychology,
 - Any other major discipline approved by the Programme Committee.

or

- Any tertiary three-year programme of formal studies and five years' working experience. Your qualifications and experience must comply with the recognition of prior learning (RPL) regulations of the University, the Faculty and the Centre for Sustainability Transitions, respectively (for more on RPL and links to the regulations, see the chapter "General Information" at the beginning of this book).

Selection

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

Should the number of applicants that meet the admission requirements exceed the available capacity of the Centre for Sustainability Transitions, the applicants are evaluated according to the following criteria to finalise the selection list:

- Academic excellence: consistent academic performance over and above 65%.
- Work and/or social development experience: relevant and related work and/or social development experience evaluated on a case-by-case basis.
- A well-written motivation letter that demonstrates clarity of thinking and logical expression in the written form, as well as proficiency in terms of language, grammar, presentation, and formatting.
- A motivation letter and curriculum vitae that demonstrates a commitment to professional development within the broad field of sustainable development.

Each applicant is scored a mark out of five for each of these criteria, and the total out of twenty is then used to rank the applications to meet the capacity of the class. The overall composition of the cohort is then considered to reflect a mix of disciplines and work/social development experience.

Application procedure and closing date

Apply by **30 September** of the year before your intended studies, except if the programme administrator allows you to apply later.

Duration, offering type and starting date of programme

Duration: One year, full-time, or two years, part-time.

Starting date: January.

Programme's mode of delivery

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

Enquiries

Programme administrator: Ms Monique Beukes

Centre for Sustainability Transitions

Tel: 021 808 9607

E-mail: cstenquiries@sun.ac.za

Website: www0.sun.ac.za/cst

Programme structure

All modules are presented at the Sustainability Institute at Lymedoch, unless specified otherwise by the programme administrator from time to time. The programme is composed of coursework consisting of one compulsory and seven elective modules. It is presented in a full-contact format, consisting of one six-day contact session per module spread over the year (the course outline of a given module may specify a longer duration for the contact session). Contact sessions are supplemented with blended-learning activities. The rest of the study period comprises independent and structured self-study.

Programme content

Programme module

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

Code	Module	Credits	Module Name	Semester
14562	799	120	Sustainable Development	Both

Compulsory foundation module (15 credits)

Code	Module	Credits	Module Name	Semester
58718	771	15	Sustainable Development	Both

Elective modules (105 credits)

Choose altogether seven modules from the three lists below to make up at least 120 credits.

Code	Module	Credits	Module Name	Semester
11490	772	15	Biodiversity and Ecosystem Services	Both
13702	771	15	Capita Selecta: Comparative Studies in Sustainable and Regenerative Social-Ecological Systems	Both
11190	772	15	Complexity Theory and Systems Thinking	Both
13700	774	15	Corporate Governance and Sustainable Enterprise	Both
12232	774	15	Food Security and Globalised Agriculture	Both
13359	771	15	Food System Transitions	Both
13701	771	15	Globalisation, Governance and Development	Both
14391	774	15	Leading Transitions and Socio-Ecological Ethics	Both
12531	774	15	Renewable Energy Finance	Both
11651	771	15	Renewable Energy Policy	Both
14381	774	15	Sustainable Economic Policy Options	Both
11199	775	15	Sustainable Cities	Both
12530	771	15	System Dynamics Modelling	Both
14522	775	15	Transdisciplinary Design for Transformations	Both

Please note: Not all modules are necessarily offered every year. Please contact the Centre for Sustainability Transitions to find out which modules will be available.

Modules offered by the Engineering Faculty

Code	Module	Credits	Module Name	Semester
64904	744	15	Bio-energy	2
64890	714	15	Renewable Energy Systems	1

Module offered by the School of Public Leadership as part of the PGDip in Environmental Management

Code	Module	Credits	Module Name	Semester
55492	771	15	Development Planning and Environmental Analysis	Both

2.15 Postgraduate Diploma in Transport and Logistics

Admission requirements

- A three-year bachelor's degree in any field;
- An average of least 55% in the major subjects for your bachelor's degree.

Selection

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

Students are selected for this programme primarily based on:

- Their overall academic performance during their undergraduate studies;
- Their motivation for wanting to pursue postgraduate studies in Transport and Logistics Management; *and*
- Their level of numeracy (satisfactory numeracy is deemed to be a first year (one semester) University course in Mathematics (pure or applied) or Statistics or Mathematics at National Senior Certificate level with a mark of 50% or higher).

Motivation will be determined through the evaluation of a letter of motivation that all applicants must submit.

Applicants should approach members of academic staff associated with the Department of Logistics to explore potential research topics and supervision. Only applicants with a viable research topic and a willing supervisor will be considered.

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 from January to November.

Starting date: The last week in January.

Programme's mode of delivery

Hybrid learning.

Enquiries

Programme administrator: Ms Marlene Mostert

Department of Logistics

Tel: 021 808 2249

E-mail: mmt@sun.ac.za

Website: www.sun.ac.za/logistics

Enquiries will be referred to the correct contact person.

Programme leader: Ms Ulrike Kussing

Department of Logistics

Tel: 021 808 4173

E-mail: uk@sun.ac.za

Programme content

Programme module

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

Code	Module	Credits	Module Name	Semester
13760	778	120	Transport and Logistics	Both

You must combine your modules for this programme as follows:

- If you have only limited experience in Logistics Management and Transport Economics (in other words you did not take it up to third-year level), you must enrol for the two compulsory modules Introduction to Transport Economics 711 and Introduction to Logistics Management 711. This means that you must take all **three** compulsory modules and **five** elective modules to make up 120 credits.

- If you have Logistics Management or Transport Economics at third-year level, you cannot enrol for the two introductory modules. This means that you must enrol for **one** compulsory module (Analysis Tools and Techniques 711) and **seven** elective modules to make up 120 credits.

Compulsory modules (45 or 15 credits)

To determine which modules are compulsory for you, please see the explanation above.

Code	Module	Credits	Module Name	Semester
13477	711	15	Analysis Tools and Techniques	1
13474	711	15	Introduction to Transport Economics	1
13475	711	15	Introduction to Logistics Management	1

Elective modules

Depending on your compulsory modules, choose 75 or 105 credits to make up 120 credits.

Code	Module	Credits	Module Name	Semester
11275	742	15	Air Transport Economics	2
13481	741	15	Demand and Order Management	2
10933	753	15	Forecasting	2
13482	711	15	Integrated Supply Chain Planning	1
13076	744	15	International Trade, Transport Infrastructure and Logistics	2
10911	723	15	Introductory Forecasting	1
13480	741	15	Inventory Management	2
14024	773	15	Maritime Economics	1
59145	744	15	Road Transport Management	1
11483	722	15	Supply Chain Performance Management and Technology Enablement	2
11480	771	15	Supply Management	1
13480	711	15	Transport Infrastructure Economics	1
13478	741	15	Transport Management (air and rail)	2

3. Honours programmes

If you have not done so yet, please also consult the general section of this chapter for information on matters like selection and postgraduate assessment. For information on the recognition of prior learning (RPL) and credit transfer and accumulation (CAT), and links to the University's and the Faculty's regulations in this regard, see the chapter "General information" at the beginning of this book.

3.1 BComHons

3.1.1 BComHons (Actuarial Science)

Admission requirements

- A BCom (Actuarial Science) or equivalent degree with Actuarial Science and Mathematical Statistics as majors;
- Passes in university modules equivalent to at least six of the seven foundation and intermediate technical subjects of the Actuarial Society of South Africa (or core principles subjects of the Institute and Faculty of Actuaries); *and*
- Exemptions from (or passes in the profession's examinations for) at least five of the foundation technical and intermediate technical examinations of the Actuarial Society of South Africa (or core principles examinations of the Institute and Faculty of Actuaries). Your five subjects must include at least A211 or A213 (CM1).

Please note:

1. If you did not complete your bachelor's degree in the minimum time of three years, you must have an additional exemption for each additional year.
2. If you only have four exemptions (after a three-year bachelor's) or five exemptions (after a four-year bachelor's) you may be considered for an extended (two-year) honours programme.
3. It is expected that you should have an average mark for both third-year Actuarial Science and third-year Mathematical Statistics of at least 60%.

Selection

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

Should the applicants who meet the admission requirements exceed the capacity of the Department, the criteria of the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

Application procedure and closing date

Application procedures and dates are advertised by the Department of Statistics and Actuarial Science in December and June of every year. For more information, contact the Department at the details below under "Enquiries".

Duration, offering type and starting date of programme

Duration: A minimum of one year, full-time.

Starting date: January.

Programme's mode of delivery

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

Exemption from professional examinations

The degree offers successful students exemptions from the profession's examinations up to the level of associate actuary.

Enquiries

Head of Actuarial Science: Prof Garrett Slattery

Department of Statistics and Actuarial Science

Tel: 021 808 3248

E-mail: actuarial@sun.ac.za

Website: www.sun.ac.za/statistics (click on "Programmes", "Actuarial Science", "Postgraduate")

Programme content

Programme module

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

Code	Module	Credits	Module Name	Semester
43214	778	120	Actuarial Science	Both

Please note:

Some of the elective modules listed below may not be offered every year. Please contact the Department of Statistics and Actuarial Science to find out which modules will be available.

Compulsory modules (90 credits)

Code	Module	Credits	Module Name	Semester
12302	774	60	Actuarial Risk Management (A311)	Both
12991	791	30	Research Assignment: Actuarial Science	Both

Elective modules (at least 30 credits)

- Choose modules totalling at least 24 credits from topics offered in the Mathematical Statistics or Financial Risk Management honours programmes (as approved by the Head of Actuarial Science from time to time).
- Other elective modules may include:

Code	Module	Credits	Module Name	Semester
14224	741	6	Capita Selecta: Actuarial Principles A	1
14225	742	15	Capita Selecta: Actuarial Principles B	2
14226	743	30	Capita Selecta: Actuarial Principles C	2
10371	773	6	Communications (N211)	2

3.1.2 BComHons (Business Management)

Admission requirements

Applicants are considered for admission to one of four focal areas for the one-year BComHons (Business Management) programmes (full-time) if they:

- Are in possession of a BCom, BA or BAgricAdmin degree (NQF level 7) from this university, or a similar commerce-related Bachelor's degree (NQF level 7) that has been approved by Senate.
- Obtained a Mathematics mark in the National Senior Certificate (Grade 12) of at least 60% or passed a university-accredited mathematical module approved by the Department of Business Management.
- Achieved an average final mark of at least 60% for all the prescribed third-year modules (NQF level 7) from the respective focal areas offered by the Department of Business Management or an equivalent from another university (see Annexure B of the Faculty Calendar and the departmental brochure on the Department of Business Management's website, for more details).
- Have passed a research methodology module (e.g. Marketing Research 344 or Financial Management 352, in the case of Stellenbosch University applicants) or a similar module of at least 12 credits approved by the Department of Business Management. Applications for BComHons (Business Management): Specialisation in Financial Analysis are exempted from this requirement.
- Have earned a final mark of at least 50% in one of the following:
 - Statistics and Data Science 188(18) *or*
 - Statistical Methods 176(18) *or*
 - Introduction to Statistics 186(18) *or*
 - Probability Theory and Statistics 114(16) *or* 144(16) *and* Theory of Interest 152(6) *or*
 - A similar Statistics module(s) from another university as approved by the Department of Business Management

Apart from the prerequisites stated above, prospective students should note that admission to the honours programme in Business Management is also subject to the attendance of a compulsory orientation programme during the week before the commencement of the official academic programme.

Selection

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

Should the applicants who meet the admission requirements exceed the capacity of the Department, the criteria of the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

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.

Starting date: One week before the other classes at the University begin.

Programme's mode of delivery

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

Enquiries

Programme administrator: Ms Annali Maass

Department of Business Management

Tel: 021 808 3415

E-mail: apaint@sun.ac.za

Website: www.sun.ac.za/english/faculty/economy/business-management

Programme structure

The Department of Business Management will allocate all applications for this programme to one of the following focal areas:

- BComHons (Business Management): Specialisation in Financial Analysis
- BComHons (Business Management): Specialisation in Financial Management
- BComHons (Business Management): Specialisation in Marketing Management
- BComHons (Business Management): Specialisation in Strategy and Innovation

For more information, download the honours brochure from the Department's website.

Programme content

Programme module

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

Code	Module	Credits	Module Name	Semester
48550	778	120	Business Management	Both

You must earn at least 84 of your credits in subjects that are offered by the Department of Business Management.

You may earn a maximum of 36 credits by way of advanced study in the following departments (the Chairperson of the Department of Business Management and the respective departments must decide the credit values of such study beforehand):

- Accounting
- Agricultural Economics
- Economics
- Graduate School of Business
- Industrial Psychology
- Logistics
- Statistics and Actuarial Science

Alternatively, you may earn a maximum of 36 credits either by way of modules from another faculty at Stellenbosch University or by way of modules from another university, according to the existing exchange agreements of Stellenbosch University with the other university. Consult the Chairperson of the Department of Business Management if you want to exercise one of these two options.

The following modules are offered by the Department of Business Management. It may happen that some of the modules will not be offered in a particular year.

Compulsory module (30 credits)

Code	Module	Credits	Module Name	Semester
12952	743	30	Research Assignment: Business Management* [This module is a prerequisite for Business Management 879.]	Both

Elective modules (90 credits)

Code	Module	Credits	Module Name	Semester
62138	712	18	Advanced Marketing Communication	2
11149	741	18	Advanced Marketing Management*	2
10399	747	18	Advanced Marketing Research*	1
11151	742	18	Advanced Strategic Management	1
13693	771	18	Capita Selecta: Entrepreneurship and Innovation Management*	Both
13694	771	18	Capita Selecta: Financial and Investment Management*	Both
13695	771	18	Capita Selecta: Marketing Management*	Both
65226	711	18	Corporate Venturing	2
11141	711	18	Financial Derivative Instruments*	1
51047	713	18	Financial Management	1
12234	717	9	Fixed Interest Rate Security Portfolio Management	2
11147	717	9	Fixed Interest Securities	2
11155	744	18	International Business	2
59595	713	18	International Marketing	1
65196	711	18	Managing Innovation and Breakthrough Ideas	1
65234	711	18	Organisational Diagnosis and Mentoring	2
11144	745	18	Portfolio Management*	2
44024	746	18	Property Investment and Finance*	1
11268	771	18	Value-based Financial Management*	1

* Modules marked with an asterisk (*) are not available to international students.

3.1.2.1 BComHons (Business Management): Specialisation in Financial Analysis

Please note: This programme is currently under review and awaiting approval of a name change by the council of Higher Education (CHE). For the interim, you will receive the BComHons (Business Management) degree certificate.

Programme content

Programme module

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

Code	Module	Credits	Module Name	Semester
54682	778	120	Financial Analysis	Both

Compulsory modules

Code	Module	Credits	Module Name	Semester
11141	711	18	Financial Derivative Instruments*	1
51047	713	18	Financial Management <i>or</i>	1
11268	771	18	Value-based Financial Management*	1
12234	717	9	Fixed Interest Rate Security Portfolio Management	2
11147	717	9	Fixed Interest Securities	2
11144	745	18	Portfolio Management*	2
44024	746	18	Property Investment and Finance*	1
12951	743	30	Research Assignment: Financial Analysis*	Both

* Modules marked with an asterisk (*) are not available to international students.

3.1.2.2 BComHons (Business Management): Specialisation in Financial Management

Programme content

Programme module

Code	Module	Credits	Module Name	Semester
12314	778	120	Business Management: Financial Management	Both

Compulsory modules (84 credits)

Code	Module	Credits	Module Name	Semester
13694	771	18	Capita Selecta: Financial and Investment Management*	Both
51047	713	18	Financial Management	1
12952	743	30	Research Assignment: Business Management* [This module is a prerequisite for Business Management 879.]	Both
11268	771	18	Value-based Financial Management*	1

Elective modules (36 credits)

Code	Module	Credits	Module Name	Semester
62138	712	18	Advanced Marketing Communication	2
11149	741	18	Advanced Marketing Management*	2
10399	747	18	Advanced Marketing Research*	1
11151	742	18	Advanced Strategic Management	1
65226	711	18	Corporate Venturing	2
11141	711	18	Financial Derivative Instruments*	1
12234	717	9	Fixed Interest Rate Security Portfolio Management	2
11147	717	9	Fixed Interest Securities	2
11155	744	18	International Business	2
59595	713	18	International Marketing	1
65196	711	18	Managing Innovation and Breakthrough Ideas	1
65234	711	18	Organisational Diagnosis and Mentoring	2
11144	745	18	Portfolio Management*	2
44024	746	18	Property Investment and Finance*	1

* Modules marked with an asterisk (*) are not available to international students

And/or

Any elective module(s) to a maximum of 36 credits from:

- another department in any faculty within Stellenbosch University, *or*
- from another university, according to the existing exchange agreements with Stellenbosch University.

Consult the Chair of the Department Business Management for more information.

3.1.2.3 BComHons (Business Management): Specialisation in Marketing Management

Programme content

Programme module

Code	Module	Credits	Module Name	Semester
12312	778	120	Business Management: Marketing Management	Both

Compulsory modules (84 credits)

Code	Module	Credits	Module Name	Semester
62138	712	18	Advanced Marketing Communication	2
11149	741	18	Advanced Marketing Management*	2
10399	747	18	Advanced Marketing Research*	1
12952	743	30	Research Assignment: Business Management* [This module is a prerequisite for Business Management 879.]	Both

Elective modules (36 credits)

Code	Module	Credits	Module Name	Semester
11151	742	18	Advanced Strategic Management	1
13694	771	18	Capita Selecta: Financial and Investment Management*	2
13695	771	18	Capita Selecta: Marketing Management*	Both
65226	711	18	Corporate Venturing	1
11141	711	18	Financial Derivative Instruments*	1
51047	713	18	Financial Management	1
12234	717	9	Fixed Interest Rate Security Portfolio Management	2
11147	717	9	Fixed Interest Securities	2
11155	744	18	International Business	2
59595	713	18	International Marketing	1
65196	711	18	Managing Innovation and Breakthrough Ideas	1
65234	711	18	Organisational Diagnosis and Mentoring	2
11144	745	18	Portfolio Management*	2
44024	746	18	Property Investment and Finance*	1
11268	771	18	Value-based Financial Management*	1

* Modules marked with an asterisk (*) are not available to international students

And/or

Any elective module(s) to a maximum of 36 credits from:

- another department in any faculty within Stellenbosch University, or
- from another university, according to the existing exchange agreements with Stellenbosch University.

Consult the Chair of the Department Business Management for more information.

3.1.2.4 BComHons (Business Management): Specialisation in Strategy and Innovation

Programme content

Programme module

Code	Module	Credits	Module Name	Semester
12313	778	120	Business Management: Strategy and Innovation	Both

Compulsory modules (84 credits)

Code	Module	Credits	Module Name	Semester
11151	742	18	Advanced Strategic Management	1
65226	711	18	Corporate Venturing	2
65196	711	18	Managing Innovation and Breakthrough Ideas	1
12952	743	30	Research Assignment: Business Management* [This module is a prerequisite Business Management 879.]	Both

Elective modules (36 credits)

Code	Module	Credits	Module Name	Semester
62138	712	18	Advanced Marketing Communication	2
11149	741	18	Advanced Marketing Management*	2
10399	747	18	Advanced Marketing Research*	1
13693	771	18	Capita Selecta: Entrepreneurship and Innovation Management*	Both
13694	771	18	Capita Selecta: Financial and Investment Management*	Both
11141	711	18	Financial Derivative Instruments*	1
51047	713	18	Financial Management	1
12234	717	9	Fixed Interest Rate Security Portfolio Management	2
11147	717	9	Fixed Interest Securities	2
11155	744	18	International Business	2
59595	713	18	International Marketing	1
65234	711	18	Organisational Diagnosis and Mentoring	2
11144	745	18	Portfolio Management*	2
44024	746	18	Property Investment and Finance*	1
11268	771	18	Value-based Financial Management*	1

* Modules marked with an asterisk (*) are not available to international students

And/or

Any elective module(s) to a maximum of 36 credits from:

- another department in any faculty within Stellenbosch University, or
- from another university, according to the existing exchange agreements with Stellenbosch University.

Consult the Chair of the Department Business Management for more information.

3.1.3 BComHons (Economics)

Admission requirements

- A bachelor's degree (NQF level 7) with an average mark of at least 60% for a final year major in Economics (equivalent to content and focus of Stellenbosch University's Economics 318 and 348 modules).
- At least 60% as your achievement mark in the intensive Mathematics course that precedes the formal programme.
- A Mathematics mark in the National Senior Certificate (Grade 12) of at least 60% or you must have passed a university-accredited mathematics module approved by the Department of Economics.

Selection

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

Should the applicants who meet the admission requirements exceed the capacity of the Department, the criteria of the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

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 you do not, you will have to repeat the compulsory modules.

Starting date: You must complete a three-week intensive Mathematics course before the formal programme. This intensive course starts early January.

Programme's mode of delivery

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

Enquiries

To find out more about admission, selection and registration procedure, module options and credit requirements, please contact the programme administrator:

Programme administrator: Ms Carina Smit
 Department of Economics
 Tel: 021 808 2898
 E-mail: carina@sun.ac.za

Website: www.ekon.sun.ac.za

Enquiries will be referred to the correct contact person.

For enquiries about the academic content of the programme, please contact the programme leader:

Programme leader: Prof Dieter von Fintel
 Department of Economics
 Tel: 021 808 2242
 E-mail: dieter2@sun.ac.za

Programme structure

This programme consists of compulsory modules and a free choice of elective modules from those listed in the relevant tables below.

You may select the Financial Economics focal area. This focus area consists mostly of compulsory modules, but you may also choose one module from the list of recommended elective modules, or from the list of general elective modules in the broad programme, which appears above.

This programme requires full-time class attendance.

Programme content

Programme module

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

Code	Module	Credits	Module Name	Semester
12084	778	120	Economics	Both

A maximum of 20 credits may be obtained from a related field of study that has been approved by the Department of Economics.

Please note: The semester in which the modules are presented may change at short notice from year to year.

Compulsory modules

Code	Module	Credits	Module Name	Semester
10541	771	12	Introductory Econometrics	1
10595	771	12	Macroeconomics	2
10760	771	14	Mathematical Methods for Economics	1
10605	771	12	Microeconomics	1
11216	771	30	Research Assignment: Economics	Both

Elective modules

Choose at least four elective modules. Not all the modules are necessarily presented every year.

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
52000	771	14	Capita Selecta: Economics	1 or 2
10635	771	10	Development Economics	1 or 2
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
12228	771	10	Financial Economics	2
13469	771	10	Health Economics*	2
64041	771	10	Institutional Economics*	1
10554	771	10	International Finance	2
10555	771	10	International Trade Theory and Policy	1
11263	771	10	Industrial Organisation	2
51861	771	10	Labour Economics*	2
64033	771	10	Monetary Economics	2
11143	771	10	Public Economics	1

* As a rule, these modules are only presented 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. Students in this programme will be selected based on their average marks for the Mathematical Methods for Economics 771 and Microeconomics 771 modules.

3.1.3.1 Focal area: Financial Economics**Compulsory modules (110 credits)**

Code	Module	Credits	Module Name	Semester
12228	771	10	Financial Economics	2
10554	771	10	International Finance	2
10541	771	12	Introductory Econometrics	1
10760	771	14	Mathematical Methods for Economics	1
10595	771	12	Macroeconomics	2
10605	771	12	Microeconomics	1
64033	771	10	Monetary Economics	2
11216	771	30	Research Assignment: Economics	Both

Recommended* elective modules (minimum of 10 credits, maximum of 18 credits)

Code	Module	Credits	Module Name	Semester
14377	771	10	Behavioural Economics †	2
11141	711	18	Financial Derivative Instruments* <i>or</i>	1
11144	745	18	Portfolio Management**	2
11263	771	10	Industrial Organisation	2
11143	771	10	Public Economics	1

* You may also choose credits from other electives in the programme.

* A final mark of 65% in Investment Management 344(12) is a prerequisite.

** Investment Management 254(16) is a prerequisite pass module and Investment Management 314(12), 324(12) and 354(12) are strongly recommended. You must be selected for Portfolio Management.

† Please note that only ten (10) students from all honours programmes in the Department of Economics will be admitted to Behavioural Economics 771. Students in this programme will be selected based on their average marks for Mathematical Methods for Economics 771 and Microeconomics 771.

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. 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

To find out more about admission, selection and registration procedures, module options and credit requirements, please contact the programme administrator:

Programme administrator: Ms Carina Smit
 Department of Economics
 Tel: 021 808 2898
 E-mail: carina@sun.ac.za
 Website: www.ekon.sun.ac.za

Enquiries will be referred to the correct contact person.

For enquiries about the academic content of the programme, please contact the programme leader:

Programme leader: Prof Dieter von Fintel
 Department of Economics
 Tel: 021 808 2242
 E-mail: dieter2@sun.ac.za

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 complete 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 (statistical application on economic data)	Both

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

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
12228	771	10	Financial Economics	2
13469	771	10	Health Economics*	2

Code	Module	Credits	Module Name	Semester
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
58777	741	12	Data Mining	1
10636	746	12	Survival Analysis	2
13360	771	12	Statistical Learning Theory	2
10751	747	12	Time Series Analysis	2

Please note:

Data Mining 741(12) is a prerequisite for Statistical Learning Theory 771(12).

3.1.5 BComHons (Financial Risk Management)

Admission requirements

- A BCom degree with Financial Risk Management, Financial Mathematics and Mathematical Statistics as third-year subjects.
- An average mark of at least 60% for Financial Risk Management 314 and 344.

Selection

The number of students selected will be influenced by, among other things, staff capacity and the availability of resources within the Department, as well as academic merit and University transformation objectives. 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 Financial Risk Management or 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 Financial Risk Management and Mathematical Statistics topics. Students may also be required to complete additional undergraduate Stellenbosch University Financial Risk Management and 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.

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

Programme's mode of delivery

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

Enquiries

Programme leader: Dr Mesias Alfeus
 Department of Statistics and Actuarial Science
 Tel: 021 808 3244
 E-mail: mesias@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
54690	778	120	Financial Risk Management	Both

Compulsory modules (108 credits)

Code	Module	Credits	Module Name	Semester
10459	731	12	Financial Risk Management A	1
10460	761	12	Financial Risk Management B	2
10660	733	12	Portfolio Management Theory A	1
10661	763	12	Portfolio Management Theory B	2
11166	734	6	Practical Financial Modelling	1
11218	793	30	Research Assignment: Financial Risk Management	Both
65250	718	12	Stochastic Simulation	1
10751	747	12	Time Series Analysis B	2

Elective modules (at least 12 credits)

Code	Module	Credits	Module Name	Semester
11164	732	12	Financial Mathematical Statistics A	1
11165	762	12	Financial Mathematical Statistics B	2

3.1.6 BComHons (Human Resource Management)

Admission requirements

- A recognised bachelor's degree with Industrial Psychology as major;
- An average of 65% for Industrial Psychology 314, 324, 348, and Human Capital Metrics 344;
- A pass mark for the following Industrial Psychology modules:
 - 114 and 144,
 - 214, 224, 252 and 262,
 - 314, 324, 348 and Human Capital Metrics 344.

Further requirements

If you have a bachelor's degree without Industrial Psychology as major, you must first pass all the required undergraduate Industrial Psychology modules (listed above) as a special student before you can be considered for selection. If you have passed comparable modules elsewhere, you must first obtain exemption from the required modules.

Selection

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

Selection decisions are made by a selection committee that considers the following:

- Selection is primarily based on academic performance.
- Over and above admission requirements, a minimum mark of 60% for third year Industrial Psychology or Human Resource Management modules are considered.
- Academic records are reviewed holistically (e.g., marks, study duration, modules repeated).

Application procedure and closing date

Apply at www.sun.ac.za/pgstudies. South African students must apply by **30 September** of the year before their intended studies and international students by **01 September**.

Duration, offering type and starting date of programme

Duration: One year, full-time.

Starting date: The first meeting is one week before the classes for undergraduate students start.

Compulsory vacation work before the programme starts

If you are selected, you must do compulsory job shadowing in an approved organisation for five working days before classes start. You must write a draft report about the work experience (in English) before the programme starts. See the departmental website for further information: www.sun.ac.za/industrial_psychology.

Programme's mode of delivery

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

Assessment

Recognition period of modules

You must pass each required module. If you do not obtain a pass mark for a specific module, you can repeat the module only once.

Honours modules are recognised for graduation purposes for five years. After five years, recognition expires unless you obtain written permission from the departmental chairperson for extension before the time.

Registration as Chartered Human Resource Practitioner

The programme BComHons (Human Resource Management) could, after approved practical work, lead to registration with the South African Board for People Practices (SABPP) as Chartered Human Resource Practitioner. Detailed information is available on the SABPP's website at www.sabpp.co.za.

Enquiries

Programme administrator: Ms CM Cillie
Department of Industrial Psychology
Tel: 021 808 3005
E-mail: cmcillie@sun.ac.za

Website: www.sun.ac.za/industrial_psychology

Programme structure

This programme consists of nine compulsory modules, one of which is a research assignment.

Programme content

Programme module

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

Code	Module	Credits	Module Name	Semester
48054	778	120	Human Resource Management	Both

Compulsory modules (120 credits)

Code	Module	Credits	Module Name	Semester
10388	781	12	Industrial Relations Theory & Practice (Perspectives and Parties)	Both
10389	782	12	Industrial Relations Theory & Practice (Processes)	Both
51829	783	12	Labour Law	Both
12942	775	12	Organisational Psychology: Contemporary Challenges	Both
12943	773	30	Research Assignment: Human Resource Management	Both
51764	776	12	Research Methodology	Both
10716	784	12	Strategic Human Resource Development	Both
11915	785	12	Strategic Human Resources Management I	Both
11917	786	6	Strategic Human Resources Management II	Both

Optional elective module

To take this module, you must have passed Industrial Psychology 224.

Code	Module	Credits	Module Name	Semester
13170	721	18	Consumer Psychology I	1

3.1.7 BComHons (Industrial Psychology)

Admission requirements

One of the following:

- A BCom (Industrial Psychology) or an equivalent bachelor's degree that leads to statutory registration as Psychometrist (Independent Practice) and industrial psychologist; *or*
- A BA degree with Psychology and Industrial Psychology up to third-year level, with an average of 65% for Industrial Psychology 314, 324 and 348; *or*
- A BCom qualification with Industrial Psychology and modules from Business Management on a third-year level, with an average of 65% for Industrial Psychology 314, 324 and 348.

Recommendations for admission

The following Business Management modules as elective at second-year level are recommended:

- Financial Management 214 and Investment Management 254,
- Marketing Management 214 and 244, *or*
Entrepreneurship and Innovation Management 214 and 244.

Recommended elective modules at the third-year level:

- Financial Management 314, 332, 352 and 354,
- Marketing Management 314, 324, 344 and 354, *or*
Entrepreneurship and Innovation Management 318 and 348.

Further requirements

If you have a bachelor's degree without Industrial Psychology as major, you must first pass all the required undergraduate Industrial Psychology modules as a special student before you can be considered for selection. If you passed comparable modules elsewhere, you must obtain exemption from the required modules. The required Industrial Psychology modules are:

- 114 and 144
- 214, 224, 252 and 262
- 314, 324 and 348

Selection

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

Selection decisions are made by a selection committee that considers the following:

- Selection is primarily based on academic performance.
- Over and above admission requirements, a minimum mark of 60% for third year Industrial Psychology or Human Resource Management modules are considered.
- Academic records are reviewed holistically (e.g., marks, study duration, modules repeated).

Application procedure and closing date

Apply at www.sun.ac.za/pgstudies. South African students must apply by **30 September** of the year before their intended studies and international students by **01 September**.

Duration, offering type and starting date of programme

Duration: One year, full-time.

Starting date: The first meeting is one week before the classes for undergraduate students start.

Compulsory vacation work before the programme starts

If you are selected, you must do compulsory job shadowing in an approved organisation for five working days before classes start. You must write a draft report about the work experience (in English) before the programme starts. See the departmental website for further information: www.sun.ac.za/industrial_psychology.

Programme's mode of delivery

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

Assessment

Recognition period of modules

You must pass each required module. If you do not obtain a pass mark for a specific module, you can repeat the module only once.

Honours modules are recognised for graduation purposes for five years. After five years, recognition expires unless you obtain written permission from the departmental chairperson for extension before the time.

Registration as Psychometrist (Independent Practice)

The requirements of the Professional Board for Psychology of the Health Professions Council of South Africa (HPCSA) determine that a person will be eligible for statutory registration as a Psychometrist (Independent Practice) after they have:

- completed the BCom (Industrial Psychology) degree,
- completed the BComHons (Industrial Psychology) degree,
- completed the approved BPsych equivalence programme, *and*
- successfully written a professional board examination set by the Psychometric Committee of the Professional Board for Psychology of the HPCSA.

Get more detailed information on registration as a psychometrist from the website of the HPCSA: www.hpcsa.co.za. Also visit their website for more detailed information on the prerequisites for statutory registration as an industrial psychologist.

Enquiries

Programme administrator: Ms Coreli Cillie
 Department of Industrial Psychology
 Tel: 021 808 3005
 E-mail: cmcillie@sun.ac.za

Website: www.sun.ac.za/industrial_psychology

Programme structure

The programme consists of nine compulsory modules, one of which is a research assignment.

Programme contents

Programme module

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

Code	Module	Credits	Module Name	Semester
10553	779	120	Industrial Psychology	Both

All modules are compulsory.

Code	Module	Credits	Module Name	Semester
10744	771	12	Applied Psychological and Performance Assessment and Professional Ethics	Both
10387	772	12	Employment Relations and Labour Legislation	Both
10403	774	12	Occupational and Career Psychology	Both
12942	775	12	Organisational Psychology: Contemporary Challenges	Both
10665	776	12	Psychometrics: Measurement Theory, Test Construction and Decision-making	Both
11344	773	30	Research Assignment: Industrial Psychology	Both
51764	776	12	Research Methodology	Both
11915	785	12	Strategic Human Resources Management I	Both
11917	786	6	Strategic Human Resources Management II	Both

3.1.8 BComHons (Logistics Management)

Admission requirements

- One of the following:
 - A BCom degree *or*
 - A bachelor's degree other than a BCom degree.
- An average of at least 60% for Logistics Management at third-year level.

Selection

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

Students are selected for this programme primarily based on:

- Their average final mark achieved for their Logistics and/or Supply Chain Management major at third year level;
- Overall academic performance;
- Their research potential as displayed in an undergraduate research module;
- Their level of numeracy (satisfactory numeracy is deemed to be a first year (one semester) university course in Mathematics (pure or applied) or Statistics or Mathematics at National Senior Certificate level with a mark of 50% or higher); *and*
- Their motivation for wanting to pursue postgraduate studies in Logistics and Supply Chain Management.

If there are a large number of applicants, the Department may request applicants to submit a short curriculum vitae, letter of motivation, and research idea. These will then be used to compose a shortlist for selection interviews. The interviews will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

Application procedure and closing date

Apply at www.sun.ac.za/pgstudies. Applications for a specific year must be received by **30 September** of the previous year. This applies to South African as well as international applications.

Duration, offering type and starting date of programme

Duration: One year, full-time.

Starting date: One week before the other classes at the University begin.

Programme's mode of delivery

Fully contact (face-to-face).

Enquiries

Programme administrator: Ms Marlene Mostert

Department of Logistics

Tel: 021 808 2249

E-mail: mmt@sun.ac.za

Website: www.sun.ac.za/logistics

Enquiries will be referred to the correct contact person.

Programme leader: Ms Ulrike Kussing

Department of Logistics

Tel: 021 808 4173

E-mail: uk@sun.ac.za

Programme structure

The programme consists of five compulsory and two elective modules. One of the compulsory modules is a research assignment.

Programme content

Programme module

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

Code	Module	Credits	Module Name	Semester
50407	778	120	Logistics Management	Both

Compulsory modules (90 credits)

Code	Module	Credits	Module Name	Semester
11485	722	15	Customer Service and Logistics Interface Management	2
10911	723	15	Introductory Forecasting	1
11047	773	30	Research Assignment: Logistics Management	Both
13077	714	15	Supply Management (Inbound)	2
13078	714	15	Supply Management (Outbound)	1

Elective modules (at least 30 credits)

Please note: It may happen that some of the modules listed below will not be offered in a particular year. Please contact the programme leader to find out which modules will be available.

Code	Module	Credits	Module Name	Semester
11571	771	15	Capita Selecta (Logistics Management)	Both
10933	753	15	Forecasting	2
11488	722	15	Packaging Logistics Development	1
59145	744	15	Road Transport Management	1
11481	722	15	Supply Chain Forecasting and Planning	2
11483	722	15	Supply Chain Performance Management and Technology Enablement	2
11482	742	15	Supply Chain Strategy Change Management and Governance	2
14227	774	15	Visual Supply Chain Data Analysis	2
13472	741	15	Warehouse Operations Management	1

Apart from the modules listed above, you may obtain a maximum of 30 credits from a related field of study that has been approved by the programme leader. For more information, please contact the programme leader.

3.1.9 BComHons (Management Accounting)

Admission requirements

One of the following two sets of qualifications:

Set 1:

- A BCom (Management Accounting) degree from Stellenbosch University *or* A BCom (Financial Accounting) degree from Stellenbosch University *or* An equivalent qualification from another university;
- and*
- A final mark of at least 60% in Management Accounting 388 and Financial Accounting 389.

Set 2:

- A BAcc degree from Stellenbosch University *or* A BAccLLB from Stellenbosch University;
- and*
- A final mark of at least 60% in Management Accounting 378;
- A final mark of at least 55% in Financial Accounting 379.

Selection

All students who meet the admission requirements are admitted. Should the number of applicants that meet the admissions requirements exceed the available capacity of the School in terms of physical and/or human resources, selection will be based on the mark requirements as set out in the admission requirements.

Application procedure and closing date

Apply at www.sun.ac.za/pgstudies by **31 October** of the year before your intended studies.

Duration, offering type and starting date of programme

Duration: One year, full-time.

Starting date: With the other classes at the University.

Programme's mode of delivery

Fully contact (face-to-face).

Qualifying as a Chartered Management Accountant

The professional management accounting qualification of Chartered Management Accountant is an internationally recognised qualification. The Chartered Institute of Management Accountants (CIMA), with its head office in London, awards this qualification to persons who have passed the qualifying examinations as set by CIMA and who have obtained the necessary practical experience. CIMA recognises the BCom (Management Accounting) and BComHons (Management Accounting) programmes as offered by Stellenbosch University for the purposes of qualifying as a Chartered Management Accountant.

Enquiries

Programme administrator: Mr Kyle Gordon

Tel: 021 808 3845

E-mail: kdgordon@sun.ac.za

Website: www.sun.ac.za/accountancy

Enquiries will be referred to the correct contact person.

Programme leader: Mr Roelof Baard

School of Accountancy

Tel: 021 808 3470

E-mail: rbaard@sun.ac.za

Programme content

Programme module

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

Code	Module	Credits	Module Name	Semester
10812	798	120	Management Accounting	Both

All modules are compulsory.

Code	Module	Credits	Module Name	Semester
10496	715	15	Advanced Management Accounting	1
10500	716	15	Advanced Financial Accounting	1
11159	786	30	Research Assignment: Management Accounting	Both
10680	784	20	Risk and Information Management	Both
10712	782	20	Strategic Financial Management	Both
10710	783	20	Strategic Management Accounting	Both

3.1.10 BComHons (Mathematical Statistics)

Admission requirements

- A bachelor's degree with an average mark of at least 65% for Mathematical Statistics 3.

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.

Compulsory modules (84 credits)

Code	Module	Credits	Module Name	Semester
13074	723	6	Introduction to R Programming	1
10602	715	12	Multivariate Statistical Analysis A	1
10603	745	12	Multivariate Statistical Analysis B	2
11228	791	30	Research Assignment: Mathematical Statistics	Both
65250	718	12	Stochastic Simulation	1
10751	747	12	Time Series Analysis	2

Please note the following prerequisite:

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

Elective modules (at least 36 credits)

Code	Module	Credits	Module Name	Semester
10394	711	12	Bayesian statistics	1
10408	712	12	Biostatistics	1
11922	724	12	Capita Selecta in Mathematical Statistics A	1
11923	754	12	Capita Selecta in Mathematical Statistics B	2
58777	741	12	Data Mining	1
10440	713	12	Experimental Design	1
10705	742	12	Sampling Techniques	1
13360	771	12	Statistical Learning Theory	2
10636	746	12	Survival Analysis	2

Please note the following prerequisite:

Data Mining 741(12) is a prerequisite for Statistical Learning Theory 771.

3.1.10.1 BComHons (Mathematical Statistics): Focus on Data Science**Interdepartmental and interfaculty collaboration**

The Department of Statistics and Actuarial Science and the Division for Computer Science in the Faculty of Science jointly present this programme.

Admission requirements

- A bachelor's degree with an average mark of at least 65% in Mathematical Statistics 3, and a satisfactory mark in Computer Science up to at least second-year level.

This programme is presented jointly by the Department of Statistics and Actuarial Science and the Division for Computer Science of the Department of Mathematical Sciences in the Faculty of Science. Consequently, you must be admitted to postgraduate study by both the Department of Statistics and Actuarial Science and the Division for Computer Science.

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 Division of Computer Science 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 Computer Science and Mathematical Statistics background of the applicant is deemed insufficient after a case-by-case determination by the Division of Computer Science and the Department of Statistics and Actuarial Science, the departments may require an additional departmental assessment on third year level Computer Science and Mathematical Statistics topics.

Students may also be required to complete additional undergraduate Stellenbosch University Computer Science and Mathematical Statistics modules along with their honours studies.

Programme structure

You must choose coursework modules from both of the Department of Statistics and Actuarial Science and the Division for Computer Science and complete a research assignment from the Department of Statistics and Actuarial Science.

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

Below follow only the modules presented by the Department of Statistics and Actuarial Science. For details on modules presented by the Division for Computer Science, please consult the Calendar part for Science. Note that some of the modules presented by Computer Science are compulsory.

Please also note:

The research assignment is compulsory. You must complete it under supervision and submit it examination.

Compulsory modules (60 credits)

Code	Module	Credits	Module Name	Semester
58777	741	12	Data mining	1
13074	723	6	Introduction to R Programming	1
11228	791	30	Research Assignment: Mathematical Statistics	Both
13360	771	12	Statistical Learning Theory	2

Please note the following prerequisite:

Data Mining 741(12) is a prerequisite for Statistical Learning Theory 771(12).

Elective modules

You must take the modules from Computer Science into account when you choose your elective modules.

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.

Code	Module	Credits	Module Name	Semester
10394	711	12	Bayesian Statistics	1
13361	771	12	Mathematical Statistics for Data Science	1
10602	715	12	Multivariate Statistical Analysis A	1
10603	745	12	Multivariate Statistical Analysis B	2
65250	718	12	Stochastic Simulation	1
10751	747	12	Time Series Analysis	2

Please note the following prerequisite:

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

3.1.11 BComHons (Operations Research)

Admission requirements

- A bachelor's degree (NQF level 7) with an average of at least 60% at third-year level for Operations Research;
- *or*
- A qualification considered by the Department of Logistics to be equivalent. If the Operations Research background of the applicant is deemed insufficient by the Department of Logistics, an additional departmental assessment on Operations Research topics on third-year level will be used as an additional admission criterium.

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.

Should the number of applicants that meet the minimum requirements exceed the available capacity of the Department, academic merit in primarily Operations Research-related modules and possible additional

assessments as requested by the Department will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

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.

Starting date: At the latest, one week before the other classes at the University begin.

Programme's mode of delivery

Fully contact (face-to-face).

Enquiries

Programme administrator: Ms Marlene Mostert

Tel: 021 808 2249

E-mail: mmt@sun.ac.za

Website: www.sun.ac.za/logistics

Enquiries will be referred to the correct contact person

Programme leader: Dr Isabelle Nieuwoudt

Department of Logistics

Tel: 021 808 3969

E-mail: isabelle@sun.ac.za

Programme content

Programme module

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

Code	Module	Credits	Module Name	Semester
55336	778	120	Operations Research	Both

Compulsory modules (at least 65 credits)

Code	Module	Credits	Module Name	Semester
10906	712	15	Advanced Linear Programming	1
10932	742	15	Inventory Control	2
11047	774	35	Research Assignment: Operational Research	Both

Elective modules (at least 55 credits)

Please note:

It may happen that some of the modules listed below will not be offered in a particular year. Please contact the programme leader to find out which modules will be available.

Code	Module	Credits	Module Name	Semester
64009	771	15	Capita Selecta (Operations Research)	Both
10933	753	15	Forecasting	2
10931	743	15	Game Theory	1
10925	742	15	Location of Facilities	2
12318	713	15	Metaheuristics	1
11907	786	15	Methods of Operational Research	2
40541	774	15	System Dynamics	1

Apart from the modules listed above, you may obtain a maximum of 30 credits from a related field of study that has been approved by the Department of Logistics. For more information, please contact the programme leader.

3.1.12 BComHons (Public and Development Management)

Admission requirements

- A BA, BAdmin, BEcon or BCom degree with Public and Development Management on first-, second- and third-year level. You must have an average of at least 60% for the Public and Development Management module on third-year level.
- In addition to the abovementioned requirement, you must also pass **three** admission modules at NQF level 7, namely:
 - Administrative Law,
 - Orientation to Research Methods and Writing Skills for Public and Development Management, *and*
 - Computer Skills in Public and Development Management.

Selection

The number of students selected will be influenced by staff capacity and the availability of resources within the School, 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.

Should the number of applicants that meets the admission requirements exceed the available capacity in the School, the criteria in the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

Application procedure and closing date

Contact the School of Public Leadership directly at the details under "Enquiries" below to find out about the application process and closing date for applications.

Duration of programme and starting date

Duration: One year.

Starting date: End of January.

Programme's mode of delivery

Hybrid learning.

Enquiries

Programme administrator: Ms Lydia Meyer

School of Public Leadership

Tel: 021 918 4192

E-mail: enquiry@spl.sun.ac.za

Website: www.sun.ac.za/english/faculty/economy/spl

Programme structure

This programme is presented by means of face-to-face block sessions and interactive online sessions. The block contact sessions consist of one to two weeks of lectures in February and June and take place on the Bellville Park campus or in Tshwane. For the interactive online sessions, you may be required to gather at an electronic study centre near your place of residence. These lecture sessions happen once a term for each module and take a whole day. These lectures are presented using appropriate interactive e-learning platforms. You can interact with the lecturer during a transmission. For the remaining time, when you are not attending block or online sessions, you must do assignments and study at home.

Exams are not all written centrally on campus, but rather at the various study centres.

Programme content

Programme module

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

Code	Module	Credits	Module Name	Semester
48003	778	120	Public and Development Management	Both

Compulsory modules (120 credits)

All modules are compulsory, except where you must choose between the module Governance: Politics and the module Local Governance.

Please note:

You may substitute any module of nine credits with a postgraduate module of equivalent credit value from another discipline. Consult the programme leader for BComHons (Public and Development Management) at the School of Public Leadership if you want to do this.

Code	Module	Credits	Module Name	Semester
60674	761	9	Financial Management and Cost Accounting	2
60682	761	9	Information and Communication Technology for Management	2
12586	761	9	Governance: Economics	1
12587	761	9	Governance: Politics <i>or</i>	1
11648	761	9	Local Governance	1
58661	761	9	Leadership and Change Management	2
12529	761	9	Organisation Design	1
59250	761	9	People Management	1
51993	761	9	Project Management	2
12229	761	9	Public Policy Management	2
11345	761	30	Research Assignment: Public and Development Management	Both
58718	761	9	Sustainable Development	1

3.1.13 BComHons (Statistics)

Admission requirements

- A bachelor's degree with an average mark of at least 65% for Statistics 3.

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 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 Statistics topics. Students may also be required to complete additional undergraduate Stellenbosch University 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
19658	778	120	Statistics	Both

Please note:

- Some of the elective 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.
- The research assignment is compulsory. It must be completed with input from a supervisor and submitted for examination.
- You can ask for permission to take a maximum of 12 credits from suitable postgraduate modules in other programmes.

Compulsory module (72 credits)

Code	Module	Credits	Module Name	Semester
10748	722	12	Applied Time Series Analysis	1
13074	723	6	Introduction to R Programming	1
10600	721	12	Multivariate Methods in Statistics A	1
10601	751	12	Multivariate Methods in Statistics B	2
11226	792	30	Research Assignment: Statistics	Both

Please take note of the following prerequisite:

Multivariate Methods in Statistics A 721(12) is a prerequisite for Multivariate Methods in Statistics B 751(12).

Elective modules (at least 48 credits)

Code	Module	Credits	Module Name	Semester
65269	746	12	Applied Stochastic Simulation	2
10408	712	12	Biostatistics	1
11920	725	12	Capita Selecta in Statistics A	1
11921	755	12	Capita Selecta in Statistics B	2
58777	741	12	Data Mining	1
10440	713	12	Experimental Design	1
10705	742	12	Sampling Techniques	1
65242	736	12	Stochastic Modelling	2

3.1.14 BComHons (Transport Economics)

Admission requirements

- A BCom or another bachelor's degree that has been approved by Senate for the purpose; *and*
- Transport Economics at third-year level with an average final mark of at least 60%.

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.

Selection is done primarily on the student's performance in terms of the average percentage achieved for Transport Economics 314 and 348, as well as their overall performance. The Department also considers research potential as displayed in Transport Economics 348, as well as the applicant's motivation in wanting to pursue postgraduate studies in Transport Economics.

Honours applicants from other universities must, upon request from the Department of Logistics, submit a one-page biography (brief curriculum vitae), proposed research topic and motivational cover letter.

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.

Starting date: One week before the other classes at the University begin.

Programme's mode of delivery

Fully contact (face-to-face).

Enquiries

Programme administrator: Ms Marlene Mostert

Department of Logistics

Tel: 021 808 2249

E-mail: mmt@sun.ac.za

Website: www.sun.ac.za/logistics

Enquiries will be referred to the correct contact person.

Programme leader: Mr Johann van Rensburg

Department of Logistics

Tel: 021 808 2879

E-mail: javrens@sun.ac.za

Programme content

Programme module

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

Code	Module	Credits	Module Name	Semester
21008	778	120	Transport Economics	Both

Compulsory modules (75 credits)

Code	Module	Credits	Module Name	Semester
10911	723	15	Introductory Forecasting	1
11047	775	30	Research Assignment: Transport Economics	Both
13473	711	15	Transport and Economic Development	1
59153	742	15	Urban and Regional Transport Economics	2

Elective modules (at least 45 credits)

Please note: It may happen that some of the modules listed below will not be offered in a particular year.

Please contact the programme leader to find out which modules will be available.

Code	Module	Credits	Module Name	Semester
11275	742	15	Air Transport Economics	2
64017	771	15	Capita Selecta (Transport Economics)	Both
59102	715	15	Competition and Regulation	2
10933	753	15	Forecasting	2
13076	744	15	International Trade Transport Infrastructure and Logistics	2
14024	773	15	Maritime Economics	1
13470	711	15	Rail Economics	2
59145	744	15	Road Transport Management	1

Apart from the modules listed above, any elective module(s) from another department within the Faculty of Economic and Management Sciences may also be selected in consultation with the Chair of the Department of Logistics.

3.2 BPubAdminHons

Admission requirements

- A BAdmin degree in Public and Development Management with an average of 60% for the Public Administration modules on third-year level;
or
- An Advanced Diploma in Public Accountability, Public Management or Public Administration (NQF Level 7) with an average of 60%;
or
- Any university or BTech degree with an average of 60% and preferably three years of working experience;
and
Six admission modules that you must have passed at NQF level 7 (see the list below);
or
- Any four-year tertiary diploma with an acceptable study record and at least five years of appropriate work exposure. Your qualifications and experience must comply with the recognition of prior learning (RPL) regulations of the University, the Faculty and the School of Public Leadership, respectively (for more on RPL and links to the regulations, see the chapter "General Information" at the beginning of this book).
and
Six admission modules at NQF level 7 that you must pass (see the list below).
Admission modules at NQF Level 7:
 - Administrative Law,
 - Orientation to Research Methods and Writing Skills for Public and Development Management,
 - Orientation to Public Management,
 - Orientation to Development,
 - Orientation to Public Policy, and
 - Computer Skills in Public and Development Management.

Selection

The number of students selected will be influenced by staff capacity and the availability of resources in the School, 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.

Should the number of applicants that meets the admission requirements exceed the available capacity of the School, the criteria in the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

Application procedure and closing date

Contact the School of Public Leadership directly at the details under "Enquiries" below to find out about the application process and closing date.

Duration of programme and starting date

Duration: One year.

Starting date: End of January.

Programme's mode of delivery

Hybrid learning

Enquiries

Programme administrator: Ms Lydia Meyer

School of Public Leadership

Tel: 021 918 4192

E-mail: enquiry@spl.sun.ac.za

Website: www.sun.ac.za/english/faculty/economy/spl

Programme structure

This programme is presented by means of face-to-face block sessions and interactive online sessions. The block contact sessions consist of one to two weeks of lectures in February and June and take place on the Bellville Park campus or in Tshwane. For the interactive online sessions, you may be required to gather at an electronic study centre near your place of residence. These lecture sessions happen once a term for each module and take a whole day. These lectures are presented using appropriate interactive e-learning platforms. You can interact with the lecturer during a transmission. For the remaining time, when you are not attending block or online lectures, you must do assignments and study at home.

Examinations are not all written centrally on campus, but rather in the different study centres.

Programme content

Programme module

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

Code	Module	Credits	Module Name	Semester
48003	788	120	Public and Development Management	Both

Compulsory modules (120 credits)

All modules are compulsory, except where you must choose between the module Governance: Politics and the module Local Governance.

Please note:

You may substitute any module of nine credits with a postgraduate module of equivalent credit value from another discipline. Consult the programme administrator for BPubAdminHons at the School of Public Leadership if you want to do this.

Code	Module	Credits	Module Name	Semester
60674	761	9	Financial Management and Cost Accounting	2
12586	761	9	Governance: Economics	1
12587	761	9	Governance: Politics <i>or</i>	1
11648	761	9	Local Governance	1
58661	761	9	Leadership and Change Management	2
60682	761	9	Information and Communication Technology for Management	1
12529	761	9	Organisation Design	1
59250	761	9	People Management	1
51993	761	9	Project Management	2
12229	761	9	Public Policy Management	2
11345	761	30	Research Assignment: Public and Development Management	Both
58718	761	9	Sustainable Development	1

3.3 BAccHons

Admission requirements

For students with degrees from Stellenbosch University

Weighted average final mark of at least 75% for the following modules in the BAcc or BAccLLB programme:

- Financial Accounting 379,
- Taxation 399,
- Management Accounting 378, *and*
- Auditing 378.

The following weightings are used in the calculation of the weighted average final mark:

- Financial Accounting and Management Accounting, 4 each;
- Taxation and Auditing, 3 each.

For students with degrees from other universities

If you obtained an undergraduate qualification from another higher education institution, which is equivalent to the BAcc (NQF level 7) or BAccLLB (NQF level 8) and is accredited with SAICA, the admission requirements for you are the same as for students with degrees from Stellenbosch University.

If you have a degree from an international university, you will not be admitted directly to the programme. In that case, you must first supplement certain undergraduate modules. You can request more details from the School of Accountancy.

Selection

The number of students selected can be influenced by, for example, staff capacity and the availability of resources within the School, 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.

Should the number of applicants that meets the admission requirements exceed the available capacity of the School, the criteria in the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

Application procedure and closing date

Apply at www.sun.ac.za/pgstudies. The closing date for applications is **31 October** of the year before your intended studies.

Duration, offering type and starting date of programme

Duration: One year, full-time.

Starting date: The Accountancy Research Assignment module begins in mid-January. There may also be a compulsory induction programme before classes officially start.

Programme's mode of delivery

Fully contact (face-to-face).

Assessment and examination

Compulsory examinations for all the modules (see the table of modules below) are written in October, except for the module Research Assignment: Accountancy. The Research Assignment: Accountancy module is assessed as a whole on an ongoing basis. Tests and assignments (if any) that are assessed on a continuous basis supplement the final mark for all the modules. You must pass all the compulsory modules in the same academic year in order to pass the programme. If you do not pass the programme after the examination, you may possibly be admitted to the supplementary examination in one or more modules for which an examination was written. The supplementary examination is written in November.

Qualifying as a Chartered Accountant

The South African Institute of Chartered Accountants (SAICA) controls the chartered accounting profession in the Republic of South Africa. To qualify as a Chartered Accountant (after obtaining a bachelor's degree), you must:

- pass a SAICA-accredited undergraduate and postgraduate programme;
- pass both SAICA's Initial Test of Competence and their Assessment of Professional Competence; *and*
- complete a three-year traineeship at an approved training organisation.

To gain admission to SAICA's Initial Test of Competence, you must obtain either the Postgraduate Diploma in Accounting or the degree BAccHons at this University, or another degree or diploma that has been approved by SAICA for this purpose.

To gain admission to SAICA's Assessment of Professional Competence, you must:

- successfully complete the Initial Test of Competence;
- successfully complete a preparatory course (at an approved educational organisation) aimed at the Assessment of Professional Competence;
- complete 20 months of traineeship at an approved training organisation.

Enquiries

Programme administrator: Mr Kyle Gordon

School of Accountancy

Tel: 021 808 3845

E-mail: kdgordon@sun.ac.za

Website: www.sun.ac.za/accountancy

Enquiries will be referred to the correct contact person.

Programme leaders:

Prof Kobus van Schalkwyk

School of Accountancy

Tel: 021 808 3682

E-mail: cjvs1@sun.ac.za

Prof Stiaan Lamprecht

School of Accountancy

Tel: 021 808 3844

E-mail: clam@sun.ac.za

Programme content

Programme module

You must earn a total of at least 150 credits for this programme.

Code	Module	Credits	Module Name	Semester
18163	778	150	Accounting	Both

The following Accounting subject areas are presented as an integrated unit:

- Auditing, Regulation and Information Systems;
- Financial Accounting;
- Financial Management;
- Management Decision-making and Control;
- Strategy and Risk Management;
- Taxation;
- Accountancy research.

Compulsory modules

Also see the outline of integrated subject areas above.

Code	Module	Credits	Module Name	Semester
14072	771	24	Auditing, Regulation and Information Systems	Both
26883	771	40	Financial Accounting	Both
14071	771	32	Management Accounting and Finance	Both
14073	774	30	Research Assignment: Accountancy	Both
18287	771	24	Taxation	Both

4. Master's programmes

If you have not done so yet, please also consult the general section of this chapter for information on things like selection and postgraduate assessment. For information on the recognition of prior learning (RPL) and credit transfer and accumulation (CAT), and links to the University's and the Faculty's regulations in this regard, see the chapter "General information" at the beginning of this book.

4.1 MCom

4.1.1 MCom (Actuarial Science)

Admission requirements

- An honours degree in Actuarial Science or Mathematical Statistics;
- Passes in university modules equivalent to all seven of the foundation and intermediate technical subjects of the Actuarial Society of South Africa (or the core principles subjects of the Institute and Faculty of Actuaries); *and*
- Exemptions from (or passes in the profession's examinations for):
 - at least six of the foundation and intermediate technical examinations of the Actuarial Society of South Africa (or the core principles examinations of the Institute and Faculty of Actuaries); *and*
 - the Actuarial Risk Management (A311/CP1) examination *or* one of the fellowship principles examinations of the Actuarial Society of South Africa (or one of the specialist principles examinations of the Institute and Faculty of Actuaries).

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.

Should the number of applicants that meet the admission requirements exceed the available capacity of the Department, the criteria in the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

Application procedure and closing date

Application procedures and dates are advertised by the Department of Statistics and Actuarial Science in December and June of every year. For more information, contact the Department at the details below under "Enquiries".

Duration, offering type and starting date of programme

Duration: A minimum of one year, full-time.

Starting date: January.

Programme's mode of delivery

Fully contact (face-to-face).

Enquiries

Head of Actuarial Science: Prof Garrett Slattery
 Department of Statistics and Actuarial Science
 Tel: 021 808 3248
 E-mail: actuarial@sun.ac.za

Website: www.sun.ac.za/statistics (click on "Programmes", "Actuarial Science", "Postgraduate")

Programme structure

You can choose between two possible options:

- **A Coursework option** (Actuarial Science 889), consisting of a research project and elective modules;
or
- **A Thesis option** (Actuarial Science 879), consisting of a larger thesis and fewer elective modules than for the Coursework option.

Programme content

Programme module

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

Code	Module	Credits	Module Name	Semester
43214	879	180	Actuarial Science (Thesis option) <i>or</i>	Both
43214	889	180	Actuarial Science (Coursework option)	Both

A list of the compulsory and elective modules that make up the total credit load for each option appears below.

Compulsory module for the Coursework option (889) (60 credits)

Code	Module	Credits	Module Name	Semester
11170	895	60	Research Project: Actuarial Science	Both

Compulsory module for the Thesis option (879) (120 credits)

Code	Module	Credits	Module Name	Semester
11171	896	120	Thesis: Actuarial Science	Both

Elective modules for both options (889 and 879)

- **For the Coursework option**, choose modules totalling at least 120 credits.
- **For the Thesis option**, choose modules totalling at least 60 credits.
- It may happen that some of the elective modules listed below will not be offered in a particular year. Please contact the Department of Statistics and Actuarial Science to find out which modules will be available.
- You may take modules totalling up to 30 credits from topics offered in the Mathematical Statistics or Financial Risk Management postgraduate programmes (as approved by the Head of Actuarial Science from time to time).

Code	Module	Credits	Module Name	Semester
13697	811	60	Capita Selecta: Actuarial Applications A	Both
13699	841	60	Capita Selecta: Actuarial Applications B	Both
10364	845	45	Finance and Investment Principles (F105)	2
10365	846	45	Enterprise Risk Management Principles (F106)	2
10360	843	45	General Insurance Principles (F103)	2
10368	811	45	Health and Care Principles (F101)	1
10372	812	45	Life Insurance Principles (F102)	1
10376	814	45	Pensions Principles (F104)	2

4.1.2 MCom (Business Management)

Admission requirements

- BComHons or another honours degree with Business Management as major.
- The successful completion of an approved research methodology course.
- The presentation and acceptance of a research proposal that meets acceptable scientific standards and is deemed executable by the departmental admission committee.

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.

Should the number of applicants that meet the admission requirements exceed the available capacity of the Department, the following criteria will be used by the departmental admission committee to finalise the list of selected applicants:

- The choice of a field of study or topic in which adequate expertise and capacity exists in the Department of Business Management to be able to offer supervision.
- The demonstrated capability (academic experience and skills) of the candidate to successfully complete a postgraduate study, as assessed by the departmental admission committee.

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 of programme and starting date

Duration: Minimum of one year, full-time.

Starting date: 1 February or 1 July.

Programme's mode of delivery

Fully contact (face-to-face).

Enquiries

Programme administrator: Ms Annali Maass

Department of Business Management

Tel: 021 808 3415

E-mail: apaint@sun.ac.za

Website: www.sun.ac.za/english/faculty/economy/business-management

Programme content

Programme module

You must earn a total of at least 180 credits for this programme.

Code	Module	Credits	Module Name	Semester
48550	879	180	Business Management (Thesis option)	Both

This module is compulsory.

You must submit a full thesis that is the result of independent research.

Code	Module	Credits	Module Name	Semester
11239	828	180	Thesis: Business Management	Both

4.1.3 MCom (Computer Auditing)

Please note: This programme is only presented if we receive an acceptable minimum number of applications for a particular year. If not, applications are transferred to the next year.

Admission requirements

One of the following:

- A BAccHons degree or Postgraduate Diploma in Accounting (that follows on a recognised bachelor's degree) *or*
- An equivalent qualification from another university and registration as Chartered Accountant (SA) with SAICA *or*
- An equivalent qualification plus any other preparatory work approved by Senate for this purpose.

Selection

The number of students selected for the programme is based on demand for the programme and the available supervision capacity. Your academic results for previous postgraduate and undergraduate programmes are considered in the selection process. You can only be considered for admission once you have submitted a valid application and all the necessary documentation on the appropriate platform.

Application procedure and closing date

South African and international candidates: Apply at www.sun.ac.za/pgstudies by **31 October** of the year before your intended studies.

Please note: A new group is admitted every second year only.

Duration, offering type and starting date of programme

Duration: Two years, full-time.

Starting date: With the other classes at the University.

Programme's mode of delivery

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

Enquiries

Programme leader: Prof Riaan Rudman

School of Accountancy

Tel: 021 808 3889

E-mail: rjudman@sun.ac.za

Website: www.sun.ac.za/accountancy

Programme structure

You must attend lectures for the coursework component (in the first year of study) and the first part of the research assignment module (in the second year of study). These lectures are presented from the Stellenbosch campus by means of synchronous lectures online or physical face-to-face lectures on campus. There are several short sessions throughout the year, as well as block lectures. Class attendance (whether online or face-to-face) and assignment submission are compulsory and start in the first year, with frequent lectures during February to April and, thereafter, once a month until October. This compulsory class attendance ends with lectures during February to April in the year of the research assignment module.

You must also attend a writing skills workshop about writing up research and complete a research assignment and an article that is publishable in an accredited journal.

Programme content

Programme module

You must earn a total of at least 180 credits for this programme.

Code	Module	Credits	Module Name	Semester
56839	899	180	Computer Auditing	Both

All modules are compulsory

You must pass Computer Auditing 871 to continue with the research assignment.

Code	Module	Credits	Module Name	Semester
56839	871	120	Computer Auditing	Both
56839	872	60	Research assignment: Computer Auditing	Both

4.1.4 MCom (Economics)

Admission requirements

- An honours degree with Economics as major and an average mark of at least 60%.
- A Mathematics mark in the National Senior Certificate (Grade 12) of at least 60% or you must have passed a university-accredited mathematics module approved by the Department of Economics.
- All applicants for the Full Thesis option (879) must undergo selection. To be considered for selection, you must have obtained at least 70% for your honours research assignment.

Further requirements for the Coursework and Assignment or Thesis option (889):

At least 60% as your achievement mark in the intensive Statistics course that precedes the formal programme.

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.

Should the number of applicants that meet the admission requirements exceed the available capacity of the Department, the criteria in the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

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:

- *Coursework and Assignment or Thesis option (889):*
 - One year, full-time.
 - You must complete the programme within three years. If not, you will have to repeat the compulsory modules.
- *Full Thesis option (879):* At least one year and a maximum of three years.

Starting date:

- *Coursework and Assignment or Thesis option (889):*
You must complete a three-week intensive Statistics course before the formal programme begins. This intensive course starts early January.
- *Full Thesis option (879):* You may start in either the first or the second semester. Please contact Prof Ada Jansen at Tel: 021 808 2737 or E-mail: ada@sun.ac.za.

Programme's mode of delivery

Fully contact (face-to-face).

Enquiries

To find out more about admission, selection and registration procedures, module options and credit requirements, please contact the programme administrator:

Programme administrator: Ms Carina Smit

Tel: 021 808 2998

E-mail: carina@sun.ac.za

Website: www.ekon.sun.ac.za

Enquiries will be referred to the correct contact person.

For enquiries about the academic content of the programme, please contact the programme leader:

Programme leader: Prof Dieter von Fintel
 Department of Economics
 Tel: 021 808 2242
 E-mail: dieter2@sun.ac.za

Programme structure

This programme allows you to choose between two main options:

- **Coursework and Assignment or Thesis option** (Economics 889):
 - This option requires full-time class attendance.
 - You can choose between a research assignment of 60 credits or a thesis of 90 credits. The balance of credits (120 or 90) must come from modules as determined by the Department of Economics (see the tables under "Programme content" below).
 - You may obtain a maximum of 20 credits from a related field of study that has been approved by the Department.
- **Full Thesis option** (Economics 879):
 - You must complete a full thesis of 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
12084	889	180	Economics (Coursework and Assignment or Thesis)	Both
12084	879	180	Economics (Full Thesis)	Both

A list of compulsory and elective modules follows.

Compulsory modules for the Coursework and Assignment or Thesis option (889)

Please note:

Mathematical Methods for Economics 771 is only compulsory if you did not pass a similar module as part of an honours programme. This will extend the programme with six months.

The reason for the extension is that you must first do an intensive three-week Mathematics course before you start Mathematical Methods for Economics 771. This intensive Mathematics course runs concurrently with the intensive three-week Statistics course that feeds into Econometrics 871. In other words, you will only be able to do the Statistics course and Econometrics 871 in the following year.

Code	Module	Credits	Module Name	Semester
10430	871	20	Econometrics	1
10595	871	20	Macroeconomics	1
10760	771	14	Mathematical Methods for Economics	1
10605	871	20	Microeconomics	2
11216	871	60	Research Assignment: Economics <i>or</i>	Both
11235	872	90	Thesis: Economics	Both

Elective modules for the Coursework and Assignment or Thesis option (889)

- If you are doing the Assignment option:
 - *without* Mathematical Methods for Economics 771, choose at least 60 credits.
 - *with* Mathematical Methods for Economics 771, choose at least 50 credits.
- If you are doing the Thesis option:
 - *without* Mathematical Methods for Economics 771, choose at least 30 credits.
 - *with* Mathematical Methods for Economics 771, choose at least 20 credits.

Please note: Not all of the following modules are necessarily offered every year. Please contact the Department of Economics to find out which modules will be presented in a specific year.

Code	Module	Credits	Module Name	Semester
11267	872	20	Advanced Cross-section Econometrics**	2
10515	871	10	Advanced Development Economics	1
13989	871	20	Advanced Macroeconomic Policy	2
12528	872	20	Advanced Time Series Econometrics**	2
11146	871	10	Applied Macroeconomics III	1 or 2
10747	871	10	Applied Microeconomics III	1 or 2
14377	874	10	Behavioural Economics	2
14380	871	10	Data Science for Economics and Finance	1
10635	872	10	Development Economics	1
14446	874	10	Digital Economics	1
10436	871	10	Economic History	1
14379	871	10	Economics of Discrimination***	1
10432	871	10	Economics of Education I	2
10433	871	10	Economics of Education II	2
14025	871	10	Economics of Technological Change***	2
59617	871	10	Environmental Economics***	1
12949	871	10	Financial Econometrics*	2
14447	874	10	Fintech and Cryptocurrencies	1
13469	871	10	Health Economics***	2
11263	871	10	Industrial Organisation	2
64041	871	10	Institutional Economics***	1
10554	871	10	International Finance	2
51861	871	10	Labour Economics***	2
64033	871	10	Monetary Economics	2
11143	871	10	Public Economics	1

* You need 60% for the Time Series component of Econometrics 871(20) to be admitted to this module. Financial Economics 771(10) or any second-year module in Finance or Investment Management is strongly recommended.

** You need 60% for Econometrics 871(20) to be admitted to this module.

*** As a rule, these modules are only presented every second year. You must contact the Department of Economics to find out which modules will be presented in a specific year.

Compulsory modules for the Full Thesis option (879)

Code	Module	Credits	Module Name	Semester
11235	828	180	Thesis: Economics	Both

4.1.5 MCom (Financial Accounting)

Admission requirements

- A BComHons degree in Financial Accounting or Management Accounting from Stellenbosch University, or an equivalent qualification from another university;
- Any additional preparatory work approved by Senate for this purpose.

Further requirements

- At least 60% for Financial Accounting as subject during your previous under- and postgraduate studies.
- Registration as Chartered Management Accountant with CIMA (or an equivalent, appropriate professional registration).
- You must have knowledge of research methodology to be admitted to the master's programme, including, where applicable, quantitative empirical research methods. The programme leader may require you to complete appropriate methodology modules before you start the programme.

Selection

There is no limit on the number of students that is admitted to the programme, but additional selection criteria apply. The prospective student must submit an initial mini-research proposal to the programme leader and Deputy Director: Research of the School of Accountancy. The programme leader and Deputy Director: Research will then evaluate whether the proposed topic falls with the School's discipline domain and also whether staff with the required expertise and experience will be available to supervise the student. If the programme leader and Deputy Director: Research are of the opinion that the topic falls within the School's discipline domain, a willing and able supervisor is available, the planned study is feasible and could possibly represent a valuable contribution to the existing body of knowledge of the field of study, a provisional supervisor is appointed and the student is requested to start working with the supervisor on an official research proposal.

Finally, the candidate presents the proposal to an admissions committee of the School of Accountancy. Should the proposal be approved by the committee, the committee assigns a supervisor, and the supervisor sends the completed Master's admission form to the faculty administrator for a recommendation to the Faculty Board that the student be admitted to the Master's programme. The prospective student may also be requested to complete additional modules (e.g., a research methodology or econometrics modules).

Duration, offering type and starting date of programme

Duration: One year, full-time.

Starting date: With the other classes at the University.

Programme's mode of delivery

Fully contact (face-to-face).

Enquiries

Programme leader: Dr George Nel

School of Accountancy

Tel: 021 808 3422

E-mail: gfn@sun.ac.za

Website: www.sun.ac.za/accountancy

Programme structure

You must complete a research project according to the requirements set by the School of Accountancy. This project consists of a thesis and a related article publishable in an accredited journal. You must also attend a writing skills workshop about the writing of research proposals, presented by the Language Centre.

Programme content

Programme module

You must earn a total of at least 180 credits for this programme.

Code	Module	Credits	Module Name	Semester
26883	879	180	MCom Financial Accounting	Both

This module is compulsory.

Code	Module	Credits	Module Name	Semester
66567	828	180	Thesis: Financial Accounting	Both

4.1.6 MCom (Financial Risk Management)

Admission requirements

- A BComHons in Financial Risk Management from Stellenbosch University or an equivalent qualification from another recognised university.

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 Financial Risk Management or 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 Financial Risk Management or Mathematical Statistics topics. Students may also be required to complete additional Stellenbosch University modules along with their 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, offering type and starting date of programme

Duration: A minimum of one year, full-time.

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: Dr Mesias Alfeus
 Department of Statistics and Actuarial Science
 Tel: 021 808 3244
 E-mail: mesias@sun.ac.za
 Website: www.sun.ac.za/statistics

Programme structure

You can choose between two possible options:

- **A Coursework and Assignment option** (Financial Risk Management 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** (Financial Risk Management 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
54690	889	180	Financial Risk Management (Coursework and Assignment option)	Both
54690	879	180	Financial Risk Management (Coursework and Thesis option)	Both

The modules for each option are listed below.

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

Code	Module	Credits	Module Name	Semester
11218	893	60	Research Assignment: Financial Risk Management	Both

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

Code	Module	Credits	Module Name	Semester
11237	891	90	Thesis: Financial Risk Management	Both

Elective modules for both options (889 and 879)

Select modules to add up to at least 180 credits when added to 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. Please contact the Department to find out which modules will be available.

Code	Module	Credits	Module Name	Semester
10501	831	15	Advanced Financial Risk Management A	1
10503	861	15	Advanced Financial Risk Management B	2
10504	835	15	Advanced Financial Risk Management Software	2
10517	833	15	Advanced Portfolio Management Theory A	2
10518	863	15	Advanced Portfolio Management Theory B	1
10575	834	15	Credit Derivative Instruments A	1
10576	864	15	Credit Derivative Instruments B	2
10441	813	15	Extreme Value Theory A	1
10442	843	15	Extreme Value Theory B	2
10461	865	15	Financial Risk Management Practice	2

4.1.7 MCom (Human Resource Management)

Admission requirements

- An acknowledged honours degree in Industrial Psychology or Human Resource Management or an equivalent qualification.
- An average of at least 65% for the preceding honours degree.

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.

Selection decisions are made by a selection committee that considers the following:

- Selection is primarily based on academic performance.
- Over and above admission requirements, a minimum mark of 60% for Honours in Human Resource Management modules are considered.
- Academic records are reviewed holistically (e.g., marks, study duration, modules repeated, research project).
- Psychometric testing results may be required and reviewed.

Application procedure and closing date

Apply at www.sun.ac.za/pgstudies. South African students must apply by **30 September** of the year before their intended studies and international students by **01 September**.

Duration, offering type and starting date of programme

Duration: One year, full-time, or two years, part-time.

Starting date: January.

Programme's mode of delivery

Fully contact (face-to-face).

Enquiries

Programme administrator: Ms Coreli Cillie

Department of Industrial Psychology

Tel: 021 808 3005

E-mail: cmcillie@sun.ac.za

Website: www.sun.ac.za/industrialpsychology

Enquires will be referred to the correct contact person.

Programme structure

There is only a full-thesis option in the master's programme in Human Resources Management.

On completion of your study, you must present a manuscript, based on your thesis and ready for publication in an accredited journal.

Programme content

Programme modules

The full thesis is worth 180 credits.

Code	Module	Credits	Module Name	Semester
48054	879	180	Human Resource Management (Full Thesis)	Both

This module is compulsory.

Code	Module	Credits	Module Name	Semester
11241	828	180	Thesis: Human Resource Management	Both

4.1.8 MCom (Industrial Psychology)

Admission requirements

- One of the following:
 - A BComHons (Industrial Psychology) degree from Stellenbosch University *or*
 - An equivalent honours degree that leads to statutory registration as Psychometrist (Independent Practice).
- An average of at least 65% for the preceding honours degree.

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.

Selection decisions are made by a selection committee that considers the following:

- Selection is primarily based on academic performance.
- Over and above admission requirements, a minimum mark of 60% for Honours Industrial Psychology modules are considered.
- Academic records are reviewed holistically (e.g., marks, study duration, modules repeated, research project).

Application procedure and closing date

Apply at www.sun.ac.za/pgstudies. South African students must apply by **30 September** of the year before their intended studies and international students by **01 September**.

Duration, offering type and starting date of programme

Duration:

- **For the Coursework option** (889): One year, full-time.
- **For the modular Coursework option** (899): Two years, part-time.

Starting date: Two weeks before the other classes at the University begin.

Programme's mode of delivery

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

Assessment

Recognition period of modules

Master's modules are recognised for graduation purposes for five years. After five years, recognition expires unless you obtain written permission for extension.

Registration as Psychologist, category: Industrial Psychology

The MCom (Industrial Psychology) serves as requirement for registration as psychologist (in the category Industrial Psychology) with the Health Professions Council of South Africa (HPCSA). You can obtain more information on the requirements for statutory registration as psychologist from the HPCSA's website: www.hpcsa.co.za. If you intend registering as a psychologist, you must register with the Professional Board for Psychology from the first year of your registration as a master's student in Industrial Psychology. Get your application form from the HPCSA website. Complete the forms and mail them together with all the necessary documentation.

Enquiries

Programme administrator: Ms Coreli Cillie
 Department of Industrial Psychology
 Tel: 021 808 3005
 E-mail: cmcillie@sun.ac.za

Website: www.sun.ac.za/industrial_psychology

Programme structure

There are two options in the programme:

1. **A full-time Coursework option** (the 889 option):
2. **A modular Coursework option** (the 899 option):
 - Set aside five weeks in the first year for attending compulsory classes on campus. The complete programme is available on the departmental website.
 - Examinations are not all written on campus, but rather in the different study centres.

In both options, you must present a manuscript, based on your thesis and ready for publication in an accredited journal, to your supervisor, once you have completed your studies.

Programme content

Programme modules

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

Code	Module	Credits	Module Name	Semester
10553	889	180	Industrial Psychology (Full-time Coursework option)	Both
10553	899	180	Industrial Psychology (Modular Coursework option)	Both

You must accumulate 90 credits from the coursework modules and 90 credits from the thesis. See the programme outline below.

All modules are compulsory (180 credits).

Code	Module	Credits	Module Name	Semester
12945	872	6	Counselling Skills for the Workplace	Both
10550	873	12	Intermediate Statistics and Computer Usage	Both
10404	874	10	Occupational Health and Well-being	Both
12992	875	10	Organisational Development and Change	Both
10667	876	10	Performance Dysfunction in the Workplace	Both
10648	886	10	Personality in the Workplace	Both
12946	881	10	Professional Consultation and Ethics	Both
14027	876	12	Psychological Assessment in Practice	Both
10711	882	10	Strategic and Ethical Leadership	Both
11234	871	90	Thesis: Industrial Psychology	Both

4.1.9 MCom (Logistics Management)

Admission requirements

- You must have the BComHons (Logistics Management) degree or a qualification considered by the Senate to be of equal standing;
and
- You must have passed a research module at postgraduate level with a final mark of at least 60%.
Please note: if you do not meet this requirement, you are eligible to register for a bridging research module. Once you have completed this module with a final mark of at least 60%, you will meet the requirements to apply for the MCom (Logistics Management).
and
- The presentation of a research proposal that meets acceptable scientific standards and is deemed executable by the Department.

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.

Should the number of applicants that meet the admission requirements exceed the available capacity of the Department, the criteria in the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

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 to eighteen months, full-time.

Starting date: One week before the other classes at the University begin.

Programme's mode of delivery

Fully contact (face-to-face).

Enquiries

Programme administrator: Ms Marlene Mostert

Department of Logistics

Tel: 021 808 2249

E-mail: mmt@sun.ac.za

Website: www.sun.ac.za/logistics

Enquiries will be referred to the correct contact person.

Programme leader: Prof Leila Goedhals-Gerber

Department of Logistics

Tel: 021 808 2252

E-mail: leila@sun.ac.za

Programme structure

You can choose between two possible options:

- **A Coursework and Thesis option** (Logistics Management 899), consisting of a thesis and elective modules; *or*
- **A Full Thesis option** (Logistics Management 879), consisting of a full thesis that is the result of independent research.

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
50407	899	180	Logistics Management (Coursework and Thesis option)	Both
50407	879	180	Logistics Management (Full Thesis option)	Both

The modules for each option are listed below.

Compulsory module for the Coursework and Thesis option (899) (150 credits)

Code	Module	Credits	Module Name	Semester
11238	884	150	Thesis: Logistics Management	Both

Elective modules for the Coursework and Thesis option (at least 30 credits)

Code	Module	Credits	Module Name	Semester
11571	814	15	Capita Selecta 1 (Logistics Management)	1
11571	844	15	Capita Selecta 2 (Logistics Management)	2

Apart from the modules listed above, you may obtain a maximum of 30 credits from a related field of study that has been approved by the Department of Logistics. Please contact the programme leader to find out which modules are available.

Compulsory modules for the Full Thesis option (879) (180 credits)

Code	Module	Credits	Module Name	Semester
11238	828	180	Thesis: Logistics Management	Both

4.1.10 MCom (Management Accounting)

Admission requirements

- A BComHons (Management Accounting) degree from Stellenbosch University, *or* an equivalent qualification from another university;
- Any additional preparatory work approved by Senate for this purpose.

Further requirements

- At least 60% for Management Accounting as subject during previous undergraduate studies, and at least 60% for Management Accounting as subject area and in general during your previous postgraduate studies.
- Registration as Chartered Management Accountant with CIMA (or an equivalent, appropriate professional registration).
- You must have knowledge of research methodology to be admitted to the master's programme, including, where applicable, quantitative empirical research methods. The programme leader may require you to complete appropriate methodology modules before you start the programme.

Selection

There is no limit on the number of students that is admitted to the programme, but additional selection criteria apply. The prospective student must submit an initial mini-research proposal to the programme leader and Deputy Director: Research of the School of Accountancy. The programme leader and Deputy Director: Research will then evaluate whether the proposed topic falls within the School's discipline domain and also whether staff with the required expertise and experience will be available to supervise the student. If the programme leader and Deputy Director: Research are of the opinion that the topic falls within the School's discipline domain, a willing and able supervisor is available, the planned study is feasible and could possibly represent a valuable contribution to the existing body of knowledge of the field of study, a provisional supervisor is appointed and the student is requested to start working with the supervisor on an official research proposal.

Finally, the candidate presents the proposal to an admissions committee of the School of Accountancy. Should the proposal be approved by the committee, the committee assigns a supervisor, and the supervisor sends the completed Master's admission form to the faculty administrator for a recommendation to the Faculty Board that the student be admitted to the Master's programme. The prospective student may also be requested to complete additional modules (e.g., a research methodology or econometrics modules).

Duration, offering type and starting date of programme

Duration: One year, full-time.

Starting date: With the other classes at the University.

Programme's mode of delivery

Fully contact (face-to-face).

Enquiries

Programme leader: Prof Soon Nel

School of Accountancy

Tel: 021 808 3430

E-mail: snel@sun.ac.za

Website: www.sun.ac.za/accountancy

Programme structure

You must complete a research project according to the requirements set by the School of Accountancy. This project consists of a thesis and a related article publishable in an accredited journal.

You must also attend a writing skills workshop about the writing of research proposals, presented by the Language Centre.

Programme content

Programme module

You must earn a total of at least 180 credits for this programme.

Code	Module	Credits	Module Name	Semester
10812	879	180	MCom Management Accounting	Both

This module is compulsory.

Code	Module	Credits	Module Name	Semester
66540	828	180	Thesis: Management Accounting	Both

4.1.11 MCom (Mathematical Statistics)

Please note: An application has been submitted to externally amend the title of this programme to Master of Commerce in Statistics and Data Science – abbreviation "MCom (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 Mathematical Statistics as the major field of study.

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 Mathematical Statistics topics. Students may also be required to complete additional Stellenbosch University Mathematical Statistics modules along with their 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, offering type and starting date of programme

Duration: Two years, full-time. 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.

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 structure

You can choose between two possible options:

- **A Coursework and Assignment option** (Mathematical 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** (Mathematical Statistics 879), consisting of a compulsory thesis 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
22853	889	180	Mathematical Statistics (Coursework and Assignment option)	Both
22853	879	180	Mathematical Statistics (Coursework and Thesis option)	Both

The modules for each option are listed below.

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

Code	Module	Credits	Module Name	Semester
11228	895	60	Research Assignment: Mathematical Statistics	Both

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

Code	Module	Credits	Module Name	Semester
11246	891	90	Thesis: Mathematical Statistics	Both

Elective modules for both options

Select modules to add up to at least 180 credits when added to 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
10524	819	15	Advanced Mathematical Statistics A	1
11173	849	15	Advanced Mathematical Statistics B	2
10512	815	15	Advanced Multivariate Statistical Analysis A	1
10513	845	15	Advanced Multivariate Statistical Analysis B	2
10523	818	15	Advanced Sampling Techniques	2
10694	811	15	Bootstrap and other Resampling Techniques A	1
10695	841	15	Bootstrap and other Resampling Techniques B	2
10441	813	15	Extreme Value Theory A	Both
10442	843	15	Extreme Value Theory B	Both
18130	822	15	Multi-dimensional Scaling A	1
11910	852	15	Multi-dimensional Scaling B	2
10703	812	15	Statistical Learning Theory A	Both
10704	842	15	Statistical Learning Theory B	Both

Also take note of the following combinations and prerequisites:

- Bootstrap and other Resampling Techniques A 811(15) is a prerequisite for Bootstrap and other Resampling Techniques B 841(15).
- Extreme Value Theory A 813(15) and Extreme Value Theory B 843(15) together form a year module.
- Multi-dimensional Scaling A 822(15) is a prerequisite for Multi-dimensional Scaling B 852(15).
- Statistical Learning Theory A 812(15) and Statistical Learning Theory B 842(15) together form a year module.

4.1.12 MCom (Operations Research)

Admission requirements

One of the following:

- A BComHons (Operations Research) degree *or*
- A BScHons (Operations Research) degree *or*
- A qualification considered by the Senate to be of equal standing.

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.

Should the number of applicants that meet the admission requirements exceed the available capacity of the Department, the criteria in the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

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: A minimum of one year, full-time.

Starting date: At the latest, one week before the other classes at the University begin.

Programme's mode of delivery

Fully contact (face-to-face).

Enquiries

Programme administrator: Ms Marlene Mostert

Department of Logistics

Tel: 021 808 2249

E-mail: mmt@sun.ac.za

Website: www.sun.ac.za/logistics

Enquiries will be referred to the correct contact person.

Programme leader: Dr Isabelle Nieuwoudt

Department of Logistics

Tel: 021 808 3969

E-mail: isabelle@sun.ac.za

Programme structure

You can choose between two possible options:

- **A Coursework and Thesis option** (Operations Research 899), consisting of a thesis and elective modules; *or*
- **A Full Thesis option** (Operations Research 879), consisting of a full thesis that is the result of independent research.

Consult the Calendar part for Science if you want more information on Operations Research 899 (Coursework and Thesis option) or 879 (Full Thesis option) as part of the MSc in Operations Research, offered by the Faculty of Science.

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
55336	899	180	Operations Research (Coursework and Thesis option) <i>or</i>	Both
55336	879	180	Operations Research (Full Thesis option)	Both

The modules for each option are listed below.

Compulsory module for the Coursework and Thesis option (899) (150 credits)

Code	Module	Credits	Module Name	Semester
11243	884	150	Thesis: Operational Research	Both

Elective modules for the Coursework and Thesis option (at least 30 credits)

Please contact the programme leader to find out which modules will be available.

Code	Module	Credits	Module Name	Semester
64009	814	15	Capita Selecta 1 (Operations Research)	1
64009	844	15	Capita Selecta 2 (Operations Research)	2

Apart from the modules listed above, you may obtain a maximum of 30 credits from a related field of study that has been approved by the Department of Logistics. For more information, please contact the programme leader.

Compulsory modules for the Full Thesis option (879) (180 credits)

Code	Module	Credits	Module Name	Semester
11243	828	180	Thesis: Operational Research	Both

4.1.13 MCom (Public and Development Management)**Admission requirements**

- An BAHons, BAdminHons, BComHons or an BEconHons degree in Public and Development Management with an average of at least 60%.

Further requirements

- You must submit either an honours degree research report or a research proposal as part of your application. You must complete your research proposal and orally defend it to an academic panel. The proposal must be accepted for you to continue with the programme.

Selection

A total number of students admitted per year depends on the joint available space in the MCom (Public and Development Management), MA (Public and Development Management) and M (Public Administration) programmes as well as available supervision capacity in the School of Public Leadership.

The academic quality of the research proposal or research report will be assessed in terms of the demonstrated academic research and writing ability, familiarity with contemporary literature in the field, relevance of the research objectives, design and methods and the potential academic merit of the study.

Application procedure and closing date

Contact the School of Public Leadership directly at the details under "Enquiries" below to find out about the application process and closing date.

Duration, offering type and starting date of programme

Duration: One year, full-time; two years, part-time; with block sessions and interactive online sessions for the Coursework and Thesis option.

Starting date: Normally late January or early February.

Programme's mode of delivery

Blended learning.

Enquiries

Programme administrator: Ms Riana Moore
 School of Public Leadership
 Tel: 021 918 4400
 E-mail: djam@sun.ac.za

Website: www.sun.ac.za/english/faculty/economy/spl

Programme structure

There are two options in the programme:

- **A Coursework and Thesis option** (Public and Development Management 889):
For this option, you must follow three 30-credit elective modules and an appropriate, advanced course in research methodology and academic writing skills. In addition, you must complete a 90-credit thesis with guidance from an academic study leader.
The coursework component is presented by means of block sessions and interactive online sessions:
 - Block sessions entail that you must attend lectures in blocks of one to two weeks at a time in January and in May at the Bellville Park campus. Further writing workshops may also be scheduled during the course of the year to give you time for dedicated writing.
 - For the interactive online presentations, you must attend at least two full days in the first semester and two full days in the second semester via an applicable interactive electronic learning platform. You must also independently watch the provided video recordings and engage with study material.
 - For the remaining time, you will study at home and do assignments that must be submitted electronically.
 - Exams are written in Bellville or in Tshwane.
- **A Full Thesis option** (Public and Development Management 879):
This is the full research option. You must complete a course in appropriate advanced research methodology and academic writing (if you have not successfully completed such a course before) and a full thesis of 180 credits under guidance of an academic study leader.

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
48003	889	180	Public and Development Management (Coursework and Thesis option)	Both
48003	879	180	Public and Development Management (Full Thesis option)	Both

The modules for each option are listed below.

Compulsory module for the Coursework and Thesis option (889) (90 credits)

Code	Module	Credits	Module Name	Semester
11242	861	90	Thesis: Public and Development Management	Both

Elective modules for the Coursework and Thesis option (889) (90 credits)

- Choose three of the following modules.
- Please note that a minimum of ten students is required for a module to be presented.

Code	Module	Credits	Module Name	Semester
11269	871	30	Advanced Programme and Project Management	Both
11270	871	30	Anti-Corruption Studies	Both
58874	862	30	Capita Selecta A: Sector specialisation as requested by students	Both
58874	861	30	Capita Selecta B: Sector specialisation as requested by students	Both
11271	871	30	Comparative and Contemporary Public Management Innovation Studies	Both
60496	861	30	Integrated Community-based Development	Both
60518	861	30	Integrated Public Management	Both
60526	861	30	Integrated Public Policy Management and Analysis [Admission requirement: 60% or more in the ICT module of the honours programme]	Both
11272	871	30	Monitoring and Evaluation	Both

Code	Module	Credits	Module Name	Semester
66370	861	30	Municipal Management and Development [Admission requirement: Local Governance in the honours programme]	Both
60488	861	30	Public Management Law	Both

Compulsory module for the Full Thesis option (879) (180 credits)

Code	Module	Credits	Module Name	Semester
11242	828	180	Thesis: Public and Development Management	Both

4.1.14 MCom (Quantitative Management)

Admission requirements

- A BComHons (Quantitative Management) degree or a qualification considered by the Senate to be of equal standing.

Note: The BComHons (Quantitative Management) has been phased out. Consequently, there is no intake for the MCom (Quantitative Management) in 2023. The listing here is only to provide for students still enrolled for the MCom (Quantitative Management).

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.

Should the number of applicants that meet the admission requirements exceed the available capacity of the Department, the criteria in the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

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: A minimum of one year, full-time.

Starting date: At the latest, one week before the other classes at the University begin.

Programme's mode of delivery

Fully contact (face-to-face).

Enquiries

Programme administrator: Ms Marlene Mostert

Department of Logistics

Tel: 021 808 2249

E-mail: mmt@sun.ac.za

Website: www.sun.ac.za/logistics

Enquiries will be referred to the correct contact person.

Programme leader: Dr Lieschen Venter

Department of Logistics

Tel: 021 808 4019

E-mail: lventer@sun.ac.za

Programme structure

You can choose between two possible options:

- **A Coursework and Thesis option** (Quantitative Management 899), consisting of a thesis and elective modules; *or*
- **A Full Thesis option** (Quantitative Management 879), consisting of a full thesis that is the result of independent research.

Programme content

Programme modules

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

Code	Module	Credits	Module Name	Semester
58351	899	180	Quantitative Management (Coursework and Thesis option)	Both
58351	879	180	Quantitative Management (Full Thesis option)	Both

The modules for each option are listed below.

Compulsory modules for the Coursework and Thesis option (899) (150 credits)

Code	Module	Credits	Module Name	Semester
12972	882	150	Thesis: Quantitative Management	Both

Elective modules for the Coursework and Thesis option (899) (at least 30 credits)

Code	Module	Credits	Module Name	Semester
12723	812	15	Capita Selecta: Quantitative Management	1
12723	842	15	Capita Selecta: Quantitative Management	2

Apart from the modules listed above, you may obtain a maximum of 30 credits from a related field of study that has been approved by the Department of Logistics. For more information, please contact the programme leader.

Compulsory module for the Full Thesis option (879) (180 credits)

Code	Module	Credits	Module Name	Semester
12972	828	180	Thesis: Quantitative Management	Both

4.1.15 MCom (Statistics)

Please note: An application has been submitted to externally amend the title of this programme to Master of Commerce in Applied Statistics and Data Science – abbreviation “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.

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 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 Statistics topics. Students may also be required to complete additional Stellenbosch University Statistics modules along with the 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, offering type and starting date of programme

Duration: Two years, full-time. 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.

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 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
11226	893	60	Research Assignment: Statistics	Both

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

Code	Module	Credits	Module Name	Semester
11244	891	90	Thesis: Statistics	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).

4.1.16 MCom (Taxation)

Admission requirements

- Both of the following:
 - The degree BCom (Law) *and*
 - The degree LLB from Stellenbosch University (including completed Taxation electives),
 or
- Equivalent qualifications and any additional preparatory programmes approved by Senate for this purpose.

Further requirements

- **For the Coursework and Research Assignment option (889):**
 - At least 60% for the Taxation modules in each year of previous study and a 60% aggregate for the degrees overall.
 - Practical experience in the field of taxation obtained through completed traineeship (articles) to register as Chartered Management Accountant (CIMA) or as Attorney.
 - As part of the selection requirements, shortlisted applicants will be required to submit a five-page tax opinion on a specific tax question which will be provided during the second round of the selection process.
- **For the Full Thesis option (879):**
 - At least 60% for Taxation modules in each year of study and a 60% aggregate for the degrees overall, during all your previous studies.
 - Registration as Chartered Management Accountant CIMA or registration as Attorney (or an equivalent, appropriate professional registration).
- **For both options (889 and 879)**
 - You must have knowledge of research methodology to be admitted to the master's programme, including, where applicable, quantitative empirical research methods. The programme leader may require you to complete appropriate methodology modules before you start the programme.

Selection

For the Coursework and Research assignment option (889):

A maximum of 10 students altogether is selected every two years for the combined group of students taking the Coursework and Research Assignment options of the MCom (Taxation) and the MAcc (Taxation). The number is determined based on the available supervision capacity. Selection of students is based on academic merit.

As part of the selection requirements, shortlisted applicants will be required to submit a five-page tax opinion on a specific tax question which will be provided during the second round of the selection process. The tax opinion submitted would be evaluated by the programme leader and/or the Divisional Head of Taxation to consider the professional competency of candidates (language usage, logical argumentation applied, sources consulted to formulate the opinion, and final opinion). In this regard the programme leader and/or the Divisional Head of Taxation would draw on their own academic tax research experience. Candidates that demonstrated the most professional competency in completing the tax opinion would be prioritised during the selection process.

For the Full Thesis option (879):

There is no limit on the number of students that is admitted to the programme, but additional selection criteria apply. The prospective student must submit an initial mini-research proposal to the programme leader and Deputy Director: Research of the School of Accountancy. The programme leader and Deputy Director: Research will then evaluate whether the proposed topic falls within the School's discipline domain and whether staff with the required expertise and experience will be available to supervise the student. If the programme leader and Deputy Director: Research are of the opinion that the topic falls within the School's discipline domain, a willing and able supervisor is available, the planned study is feasible and could possibly represent a valuable contribution to the existing body of knowledge of the field of study, a provisional supervisor is appointed, and the student is required to start working with the supervisor on an official research proposal.

Finally, the candidate presents the official research proposal to an admissions committee of the School of Accountancy. Should the proposal be approved by the committee, the committee assigns a supervisor, and the supervisor sends the completed Masters' admission form to the faculty administrator for a recommendation to the Faculty Board that the student be admitted to the Masters programme. The prospective student may also be requested to complete additional modules (e.g., a research methodology or econometrics modules).

Application procedure and closing date

A new group for the Coursework and Research Assignment option (889) is only admitted every second year. Apply at www.sun.ac.za/pgstudies by **31 October** of the year before your intended studies.

Duration, offering type and starting date of programme

Duration:

- **Full Thesis option** (879): One year, full-time.
- **Coursework and Assignment option** (889): Two to three years, part-time.

Starting date:

With the other classes at the University.

Programme's offering type

Fully contact (face-to-face).

Enquiries

Programme leader: Ms Cara Thiant

School of Accountancy

Tel: 021 808 3681

E-mail: cthiant@sun.ac.za

Website: www.sun.ac.za/accountancy

Enquiries will be referred to the correct contact person.

Programme structure

You can choose between the following two options:

- **Full Thesis option** (Taxation 879):
You must attend lectures on writing skills and write a research proposal. Your research proposal must be presented to the Research Committee of the School of Accountancy, who must approve the proposal.
Your research project must be completed according to the requirements set by the School of Accountancy. This project consists of a thesis and a related article publishable in an accredited journal.
- **Coursework and Research Assignment option** (Taxation 889):
Attending all the interactive lectures on selected topics, as well as lectures on writing skills and writing a research proposal, is compulsory.
You must complete a research project of limited scope according to the requirements set by the School of Accountancy. This consists of a research assignment (after writing a compulsory research proposal) and a related article publishable in an accredited journal.

Programme content

Programme modules

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

Code	Module	Credits	Module Name	Semester
18287	879	180	Taxation (Full Thesis option) <i>or</i>	Both
18287	889	180	Taxation (Coursework and Research Assignment option)	Both

Compulsory modules in the Coursework and Research Assignment option (889)

You must pass Advanced Taxation 871 to be able to continue with the research assignment.

Code	Module	Credits	Module Name	Semester
10492	871	108	Advanced Taxation	Both
10493	872	72	Research Assignment: Advanced Taxation	Both

Compulsory module in the Full Thesis option 879

Code	Module	Credits	Module Name	Semester
66559	828	180	Thesis: Taxation	Both

4.1.17 MCom (Transport Economics)

Admission requirements

- A BComHons degree in Transport Economics or a qualification considered by the Senate to be of equal standing.

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.

Should the number of applicants that meet the admission requirements exceed the available capacity of the Department, the applicant's average academic performance and research proposal will be evaluated on case-by-case basis and will be used to rank the applicants in order of suitability to finalise the list of selected applicants.

Applicants should approach members of academic staff associated with the Department of Logistics to explore potential research topics and supervision. Only applicants with a viable research topic and a willing supervisor will be considered.

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 to eighteen months, full-time.

Starting date: One week before the other classes at the University begin.

Programme's mode of delivery

For Coursework and Thesis option (899): Full-contact learning (face-to-face).

For Full Thesis option (879): Hybrid learning.

Enquiries

Programme administrator: Ms Marlene Mostert

Department of Logistics

Tel: 021 808 2249

E-mail: mmt@sun.ac.za

Website: www.sun.ac.za/logistics

Enquiries will be referred to the correct contact person.

Programme leader: Prof Stephan Krygsman

Department of Logistics

Tel: 021 808 2624

E-mail: skrygsman@sun.ac.za

Programme structure

You can choose between two possible options:

- **A Coursework and Thesis option** (Transport Economics 899), consisting of a thesis and elective modules; *or*
- **A Full Thesis option** (Transport Economics 879), consisting of a full thesis that is the result of independent research.

Programme content

Programme modules

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

Code	Module	Credits	Module Name	Semester
21008	899	180	Transport Economics (Coursework and Thesis option)	Both
21008	879	180	Transport Economics (Full Thesis option)	Both

The modules for each option are listed below.

Compulsory module for the Coursework and Thesis option (899) (150 credits)

Code	Module	Credits	Module Name	Semester
11245	874	150	Thesis: Transport Economics	Both

Elective modules for the Coursework and Thesis option (899) (at least 30 credits)

Code	Module	Credits	Module Name	Semester
64017	814	15	Capita Selecta 1 (Transport Economics)	1
64017	844	15	Capita Selecta 2 (Transport Economics)	2

Apart from the modules listed above, you may obtain a maximum of 30 credits from a related field of study that has been approved by the Department of Logistics. For more information, please contact the programme leader.

Compulsory module for the Full Thesis option (879) (180 credits)

Code	Module	Credits	Module Name	Semester
11245	828	180	Thesis: Transport Economics	Both

4.2 M (Public Administration)

Admission requirements

- BHons in Public Administration with an average of at least 60%, or
- A PGDip, in the same Classification of Educational Subject Matter (CESM) category, with an average of at least 60%.

Further requirements

- You must submit either an honours degree research report or a research proposal as part of your application. You must complete your research proposal and orally defend it to an academic panel. The proposal must be accepted in order for you to continue with the programme.

Selection

The total number of students admitted per year depends on the joint available space in the MCom (Public and Development Management), MA (Public and Development Management) and M (Public Administration) programmes as well as available supervision capacity in the School of Public Leadership.

The academic quality of the research proposal or research report will be assessed in terms of the demonstrated academic research and writing ability, familiarity with contemporary literature in the field, relevance of the research objectives, design and methods and the potential academic merit of the study.

Application procedure and closing date

Contact the School of Public Leadership directly at the details under "Enquiries" below to find out about the application process and closing date.

Duration, offering type and starting date of programme

Duration: One year, full-time; two years, part-time; with face-to-face block sessions on campus and interactive online sessions for the Coursework and Thesis option.

Starting date: Normally late January or early February.

Programme's mode of delivery

Hybrid learning.

Enquiries

Programme administrator: Ms Riana Moore
 School of Public Leadership
 Tel: 021 918 4400
 E-mail: djam@sun.ac.za

Website: www.sun.ac.za/english/faculty/economy/spl

Programme structure

There are two options in the programme:

- **Coursework and Thesis option** (Public and Development Management 889):
 For this option, you must follow three 30-credit elective modules and an appropriate, advanced course in research methodology and academic writing skills. In addition, you must complete a 90-credit thesis with guidance from an academic study leader.
 The coursework component is presented by means of block sessions and interactive online sessions:
 - Block sessions entail that you must attend lectures in blocks of one to two weeks at a time in January and in May at the Bellville Park campus. Further writing workshops may also be scheduled during the course of the year to give you time for dedicated writing.
 - For the interactive online presentations, you must attend at least two full days in the first semester and two full days in the second semester via an applicable interactive electronic learning platform. You must also independently watch the provided video recordings and engage with study material.
 - For the remaining time, you will study at home and do assignments that must be submitted electronically.
 - Exams are written in Bellville or in Tshwane.

- **Full Thesis option** (Public and Development Management 879):
This is the full research option. You must complete a course in appropriate advanced research methodology and academic writing (if you have not successfully completed such a course before) and a full thesis of 180 credits under guidance of an academic study leader.

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
48003	889	180	Public and Development Management (Coursework and Thesis option)	Both
48003	879	180	Public and Development Management (Full Thesis option)	Both

The modules for each option are listed below.

Compulsory module for the Coursework and Thesis option (889) (90 credits)

Code	Module	Credits	Module Name	Semester
11242	861	90	Thesis: Public and Development Management	Both

Elective modules for the Coursework and Thesis option (889) (90 credits)

- Choose three of the following modules.
- Please note that a minimum of ten students is required before a module can be presented.

Code	Module	Credits	Module Name	Semester
11269	871	30	Advanced Programme and Project Management	Both
11270	871	30	Anti-Corruption Studies	Both
58874	864	30	Capita Selecta A: Sector specialisation as requested by students	Both
58874	861	30	Capita Selecta B: Sector specialisation as requested by students	Both
11271	871	30	Comparative and Contemporary Public Management Innovation Studies	Both
60496	861	30	Integrated Community-based Development	Both
60518	861	30	Integrated Public Management	Both
60526	861	30	Integrated Public Policy Management and Analysis [Admission requirement 60% or more in the ICT module of the honours programme]	Both
11272	871	30	Monitoring and Evaluation	Both
66370	861	30	Municipal Management and Development [Admission requirement: Local Governance in the honours programme]	Both
60488	861	30	Public Management Law	Both

Compulsory module for the Full Thesis option (879) (180 credits)

Code	Module	Credits	Module Name	Semester
11242	828	180	Thesis: Public and Development Management	Both

4.3 MAcc

4.3.1 MAcc (Auditing)

Admission requirements

- A BAccHons degree or Postgraduate Diploma in Accounting (after you obtained a recognised bachelor's degree) from Stellenbosch University,
or
An equivalent qualification from another university;
and
- Any additional preparatory work approved by Senate for this purpose.

Further requirements

- At least 60% for Auditing, as subject and in general, during previous postgraduate studies.
- Registration as Chartered Accountant (South Africa).
- You must have knowledge of research methodology to be admitted to the master's programme, including, where applicable, quantitative empirical research methods. The programme leader may require you to complete appropriate methodology modules before you start the programme.

Selection

There is no limit on the number of students that is admitted to the programme, but additional selection criteria apply. The prospective student must submit an initial mini-research proposal to the programme leader and Deputy Director: Research of the School of Accountancy. The programme leader and Deputy Director: Research will then evaluate whether the proposed topic falls within the School's discipline domain and whether staff with the required expertise and experience will be available to supervise the student. If the programme leader and Deputy Director: Research are of the opinion that the topic falls within the School's discipline domain, a willing and able supervisor is available, the planned study is feasible and could possibly represent a valuable contribution to the existing body of knowledge of the field of study, a provisional supervisor is appointed and the student is requested to start working with the supervisor on an official research proposal.

Finally, the candidate presents the proposal to an admissions committee of the School of Accountancy. Should the proposal be approved by the committee, the committee assigns a supervisor, and the supervisor sends the completed Masters admission form to the faculty administrator for a recommendation to the Faculty Board that the student be admitted to the Masters programme. The prospective student may also be requested to complete additional modules (e.g., a research methodology or econometrics modules).

Duration, offering type and starting date of programme

Duration: One year, full-time.

Starting date: With the other classes at the University.

Programme's mode of delivery

Fully contact (face-to-face).

Enquiries

Programme leader: Prof Riaan Rudman

School of Accountancy

Tel: 021 808 2701

E-mail: rjrudman@sun.ac.za

Website: www.sun.ac.za/accountancy

Programme structure

You must complete a research project according to the requirements set by the School of Accountancy. This project consists of a thesis and a related article publishable in an accredited journal.

You must also attend a writing skills workshop about the writing of research proposals, presented by the Language Centre.

Programme content

Programme modules

You must earn a total of at least 180 credits for this programme.

Code	Module	Credits	Module Name	Semester
17426	879	180	MAcc Auditing (Thesis option)	Both

This module is compulsory.

Code	Module	Credits	Module Name	Semester
66583	828	180	Thesis: Auditing	Both

4.3.2 MAcc (Financial Accounting)

Admission requirements

- A BAccHons degree or Postgraduate Diploma in Accounting (after you obtained a recognised bachelor's degree),
or
An equivalent qualification from another university;
and
- Any additional preparatory work approved by Senate for this purpose.

Further requirements

- At least 60% for Financial Accounting, as subject area and in general, during previous postgraduate studies.
- Registration as Chartered Accountant (South Africa).
- You must have knowledge of research methodology to be admitted to the master's programme, including, where applicable, quantitative empirical research methods. The programme leader may require you to complete appropriate methodology modules before you start the programme.

Selection

There is no limit on the number of students that is admitted to the programme, but additional selection criteria apply. The prospective student must submit an initial mini-research proposal to the programme leader and Deputy Director: Research of the School of Accountancy. The programme leader and Deputy Director: Research will then evaluate whether the proposed topic falls within the School's discipline domain and also whether staff with the required expertise and experience will be available to supervise the student. If the programme leader and Deputy Director: Research are of the opinion that the topic falls within the School's discipline domain, a willing and able supervisor is available, the planned study is feasible and could possibly represent a valuable contribution to the existing body of knowledge of the field of study, a provisional supervisor is appointed and the student is requested to start working with the supervisor on an official research proposal.

Finally, the candidate presents the proposal to an admissions committee of the School of Accountancy. Should the proposal be approved by the committee, the committee assigns a supervisor, and the supervisor sends the completed Masters admission form to the faculty administrator for a recommendation to the Faculty Board that the student be admitted to the Masters programme. The prospective student may also be requested to complete additional modules (e.g., a research methodology or econometrics modules).

Duration, offering type and starting date of programme

Duration: One year, full-time.

Starting date: With the other classes at the University.

Programme's mode of delivery

Fully contact (face-to-face).

Enquiries

Programme leader: Prof Stiaan Lamprecht

School of Accountancy

Tel: 021 808 3844

E-mail: clam@sun.ac.za

Website: www.sun.ac.za/accountancy

Programme structure

You must complete a research project according to the requirements set by the School of Accountancy. This project consists of a thesis and a related article publishable in an accredited journal.

You must also attend a writing skills workshop about the writing of research proposals, presented by the Language Centre.

Programme content

Programme module

You must earn a total of at least 180 credits for this programme.

Code	Module	Credits	Module Name	Semester
26883	879	180	MAcc Financial Accounting (Thesis option)	Both

This module is compulsory.

Code	Module	Credits	Module Name	Semester
66567	828	180	Thesis: Financial Accounting	Both

4.3.3 MAcc (Taxation)

Admission requirements

- The BAccHons degree, BAccLLB degree or the Postgraduate Diploma in Accounting (after you obtained a recognised bachelor's degree) from Stellenbosch University,
or
- An equivalent qualification, plus relevant preparatory programmes approved by Senate for this purpose.

Further requirements

- **For the Coursework and Research Assignment option (889):**
 - At least 60% for Taxation (70% in the case of academic trainees), as subject area and for the degrees in general, throughout all your previous studies. Academic trainees must obtain the 70% in the BAccHons degree (with the research component).
 - Practical experience in the field of taxation obtained through completed traineeship (articles) to register as Chartered Accountant (South Africa) or Attorney. Academic trainees are exempted from this requirement.
 - As part of the selection requirements, shortlisted applicants will be required to submit a five-page tax opinion on a specific tax question which will be provided during the second round of the selection process.
- **For the Full Thesis option (879):**
 - At least 60% for Taxation, as subject and for the degrees in general, during all your previous studies.
 - Registration as Chartered Accountant (South Africa).
- **For both options (889 and 879):**
 - You must have knowledge of research methodology to be admitted to the Master's programme, including, where applicable, quantitative empirical research methods. The programme leader may require you to complete appropriate methodology modules before you start the programme.

Selection

For the Coursework and Research assignment option (889):

A maximum of 10 students altogether is selected every two years for the combined group of students taking the Coursework and Research Assignment options of the MCom (Taxation) and the MAcc (Taxation). The number is determined based on the available supervision capacity. Selection of students is based on academic merit.

As part of the selection requirements, shortlisted applicants will be required to submit a five-page tax opinion on a specific tax question which will be provided during the second round of the selection process. The tax opinion submitted would be evaluated by the programme leader and/or the Divisional Head of Taxation to consider the professional competency of candidates (language usage, logical argumentation applied, sources consulted to formulate the opinion, and final opinion). In this regard the programme leader and/or the Divisional Head of Taxation would draw on their own academic tax research experience.

Candidates that demonstrated the most professional competency in completing the tax opinion would be prioritised during the selection process.

For the Full Thesis option (879):

There is no limit on the number of students that is admitted to the programme, but additional selection criteria apply. The prospective student must submit an initial mini-research proposal to the programme leader and Deputy Director: Research of the School of Accountancy. The programme leader and Deputy Director: Research will then evaluate whether the proposed topic falls within the School's discipline domain and whether staff with the required expertise and experience will be available to supervise the student. If the programme leader and Deputy Director: Research are of the opinion that the topic falls within the School's discipline domain, a willing and able supervisor is available, the planned study is feasible and could possibly represent a valuable contribution to the existing body of knowledge of the field of study, a provisional supervisor is appointed, and the student is required to start working with the supervisor on an official research proposal.

Finally, the candidate presents the official research proposal to an admissions committee of the School of Accountancy. Should the proposal be approved by the committee, the committee assigns a supervisor, and the supervisor sends the completed Masters admission form to the faculty administrator for a recommendation to the Faculty Board that the student be admitted to the Masters programme. The prospective student may also be requested to complete additional modules (e.g., a research methodology or econometrics modules).

Application procedure and closing date

A new group for the Coursework and Research Assignment option (889) is only admitted every second year. Apply at www.sun.ac.za/pgstudies by **31 October** of the year before your intended studies.

Duration, offering type and starting date of programme

Duration:

- **Full Thesis option (879):** One year, full-time.
- **Coursework and Research Assignment option (889):** Two to three years, part-time.

Starting date:

With the other classes at the University.

Programme's mode of delivery

Fully contact (face-to-face).

Enquiries

Programme leader: Ms Cara Thiart

School of Accountancy

Tel: 021 808 3681

E-mail: cthiart@sun.ac.za

Website: www.sun.ac.za/accountancy

Enquiries will be referred to the correct contact person.

Programme structure

You can choose between the following two options:

- **Full Thesis option (Taxation 879):**
You must attend lectures on writing skills and write a research proposal. Your research proposal must be presented to the Research Committee of the School of Accountancy, who must approve the proposal.
Your research project must be completed according to the requirements set by the School of Accountancy. This project consists of a thesis and a related article publishable in an accredited journal.
- **Coursework and Research Assignment option (Taxation 889):**
Attending all the interactive lectures on selected topics, as well as lectures on writing skills and writing a research proposal, is compulsory.
Your research project of limited scope must be completed according to the requirements set by the School of Accountancy. This consists of a research assignment (after writing a compulsory research proposal) as well as a related article publishable in an accredited journal.

Programme content

Programme modules

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

Code	Module	Credits	Module Name	Semester
18287	879	180	Taxation (Full Thesis option)	Both
18287	889	180	Taxation (Coursework and Research Assignment option)	Both

The modules for each option are listed below.

Compulsory modules for the Coursework and Research Assignment option 889

You must pass Advanced Taxation 871 to be able to continue with the research assignment.

Code	Module	Credits	Module Name	Semester
10492	871	108	Advanced Taxation	Both
10493	872	72	Research Assignment: Advanced Taxation	Both

Compulsory module for the Full Thesis option 879

Code	Module	Credits	Module Name	Semester
66559	828	180	Thesis: Taxation	Both

4.4 MPhil

4.4.1 MPhil (Development Finance)

Admission requirements

One of the following:

- An appropriate honours degree (the first postgraduate degree after a bachelor's degree) or a four-year in-depth bachelor's degree with content focussed on business, finance, economics, accounting or commerce;
or
- A three-year bachelor's degree and a postgraduate diploma (120 SAQA credits) from a university or a university of technology with content focussed on business, finance, economics, accounting or commerce;
or
- A postgraduate degree in any discipline and appropriate experience in the area of development economics and/or finance.

Please note:

- The bachelor's or honours degree must be on a level that is equivalent to the South African qualification.
- Local and foreign academic qualifications must include a module in research methodology and an individual research paper.

Selection

The number of students selected can be influenced by, for example, staff capacity and the availability of resources within the School, 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.

Should the number of applicants that meet the admission requirements exceed the available capacity of the School, the criteria in the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

Application procedure and closing date

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

Duration of programme and starting date

Duration: Two years.

Starting date: February/March.

Programme's mode of delivery

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

Hybrid learning.

Enquiries

Stellenbosch Business School Admissions Office
Stellenbosch Business School
E-mail: admissions@usb.ac.za

Website: www.usb.ac.za

Programme administrator: Mr Mongezi Mbebe
Stellenbosch Business School
Tel: 021 918 4209
E-mail: mmbebe@usb.ac.za

Programme structure

This programme is presented at the Bellville Park campus and online in a full-contact and a hybrid learning format.

The **full-contact mode** is delivered over two years, during which you attend three face-to-face (F2F) contact blocks of two weeks each and complete a research assignment. Two of the on-campus blocks of classes are offered in the first year. These generally take place in March and September. The third block is offered in February of the second year.

The **hybrid learning** mode comprises both compulsory on-campus block contact sessions and synchronous online classes. Detailed schedules are available on the Stellenbosch Business School website. The block in February of the second year is only offered on campus.

Programme content

Programme module

You must earn a total of 180 credits for this programme.

Code	Module	Credits	Module Name	Semester
58424	879	180	Development Finance	Both

You must earn 150 credits for the compulsory modules, and 30 credits for your elective modules.

Compulsory modules (150 credits)

Code	Module	Credits	Module Name	Semester
12925	861	15	Economic Development Perspectives in Africa	Both
47872	861	15	Entrepreneurship	Both
14482	861	15	Financial Technologies and Innovative Finance	Both
10392	861	15	Issues in Banking and Finance	Both
62189	866	15	Project Finance	Both
57398	861	60	Research Assignment: Development Finance	Both
14263	861	15	Small Business Finance	Both

Elective modules (30 credits)

Choose three elective modules from the list below. If you choose the Capita Selecta option of 20 credits, you only need to choose one further elective.

Code	Module	Credits	Module Name	Semester
13920	863	10	Agricultural Policy and Finance	Both
12930	863	10	Business Forecasting and Econometric Analysis	Both
13921	863	20	Capita Selecta: Development Finance	Both
65668	863	10	Corporate Finance	Both
12928	863	10	Development Project Management	Both
13916	863	10	Economic Diplomacy	Both
62200	863	10	Environmental Finance	Both
12966	861	10	Financial Sector Regulation and Development	Both
13917	863	10	Food Security in Africa	Both
12927	863	10	Governance and Ethics	Both
11348	863	10	Human Resource Issues in Development Finance	Both
62219	863	10	Infrastructure Finance	Both
11300	863	10	Investment Promotion	Both
14484	861	10	Public Policy and Finance	Both
62197	863	10	Small-scale Enterprise Development	Both
13918	863	10	Structured Finance	Both
14485	863	10	Sustainable Finance	Both
14483	863	10	Trade Policy and Finance	Both

4.4.2 MPhil (Environmental Management)

Admission requirements

- A Postgraduate Diploma in Environmental Management from Stellenbosch University;
or
- Senate may also consider any other equivalent qualification if you do not have a Postgraduate Diploma in Environmental Management. Such a qualification must be approved by Senate before you will be admitted.

Selection

The number of students selected can be influenced by, for example, staff capacity and the availability of resources within the School, 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.

Should the number of applicants that meet the admission requirements exceed the available capacity of the School, the criteria in the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants. Students who obtained an average of 65% or more for the Postgraduate Diploma in Environmental Management will get preference.

Application procedure and closing date

Contact the School of Public Leadership directly at the contact details under "Enquiries" below to find out about the application process and closing date.

Duration, offering type and starting date of programme

Duration:

- **For the Coursework and Thesis option** (Environmental Management 899):
One year, full-time
- **For the Full Thesis option** (Environmental Management 879):
Two years, part-time

Starting date: The programme normally starts late January or early February, before the other classes at the University begin.

Programme's mode of delivery

Fully contact (face-to-face).

Enquiries

Programme administrator: Ms Jennifer Saunders
School of Public Leadership
Tel: 021 808 2151
E-mail: jj3@sun.ac.za

Website: www.sun.ac.za/english/faculty/economy/spl

Enquiries will be referred to the correct contact person.

Programme structure

You can choose between two possible options:

- **A Coursework and Thesis option** (Environmental Management 899):
For the Coursework and Thesis option you must complete:
 - one compulsory coursework module (30 credits),
 - three elective modules (at least 60 credits), *and*
 - a thesis that focuses on environmental management (90 credits).
- **A Full Thesis option** (Environmental Management 879):
For the Full Thesis option, you must attend a compulsory research workshop and colloquium and complete a research thesis that focuses on environmental management to earn the full credit load.

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
55255	899	180	Environmental Management (Coursework and Thesis option)	Both
55255	879	180	Environmental Management (Full Thesis option)	Both

The modules for each option are listed below.

Compulsory modules for the Coursework and Thesis option (899) (120 credits)

Code	Module	Credits	Module Name	Semester
13075	811	30	Collaborative Environmental Governance	1
11247	818	90	Thesis: Environmental Management	1

Elective modules for the Coursework and Thesis option (899) (at least 60 credits)

Choose two of the following modules to add up to 180 credits with the compulsory modules.

Code	Module	Credits	Module Name	Semester
13069	811	30	Community-based Natural Resources Management	1
13070	811	30	Economic Principles and Tools for Conservation Management	1
13071	811	30	Management of Protected Areas	1

Compulsory module in die Full Thesis option (879) (180 credits)

Code	Module	Credits	Module Name	Semester
11247	828	180	Thesis: Environmental Management	Both

4.4.3 MPhil (Futures Studies)

Admission requirements

- Postgraduate Diploma in Futures Studies, with an average of at least 65%.

Selection

The number of students selected can be influenced by, for example, staff capacity and the availability of resources within the School, 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.

Should the number of applicants that meet the admission requirements exceed the available capacity of the School, the criteria in the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

Application procedure and closing date

Apply online by **31 January** of the year in which you wish to study: www.usb.ac.za/usb-mphil-futures-application-information.

Duration of programme and starting date

Duration: Two years.

Starting date: February.

Programme's mode of delivery

Hybrid learning.

Enquiries

Stellenbosch Business School Admissions Office
Stellenbosch Business School
E-mail: admissions@usb.ac.za

Website: www.usb.ac.za

Programme administrator: Ms Mireille de Villiers-Kleynhans
University of Stellenbosch Business School
Tel: 021 918 4203
E-mail: mdvk@sun.ac.za

Programme structure

This programme is presented at the Bellville Park campus and online in a hybrid mode.

In the hybrid mode student have the option to attend compulsory classes either synchronously online or face-to-face (F2F) on campus. Detailed schedules are available on the Stellenbosch Business School website.

Programme content

Programme module

You must earn a total of 180 credits for this programme.

Code	Module	Credits	Module Name	Semester
51330	889	180	Futures studies	Both

All modules are compulsory.

The coursework modules count 100 credits and the research assignment 80 credits.

Code	Module	Credits	Module Name	Semester
13212	874	30	Applied Future Studies	Both
60070	873	10	Demographics	Both
60054	873	20	Qualitative and Quantitative Future Research Methods	Both
60100	875	80	Research Assignment: Future Studies	Both
60046	872	30	Scanning the Environment	Both
60062	872	10	Technology Futures	Both

4.4.4 MPhil (HIV/AIDS Management)

Admission requirements

- Postgraduate Diploma in HIV/AIDS Management with an average of at least 65%.

Further requirements

- Appropriate managerial experience, *and*
- Computer skills (MS Word, internet and e-mail).

Selection

The number of students selected can be influenced by, for example, staff capacity and the availability of resources within the Centre, 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.

Should the number of applicants that meet the admission requirements exceed the available capacity of the Centre, the criteria in the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

Application procedure and closing date

South African as well as international students must apply by **30 November** of the year before their intended studies. Application forms are available on the website of the Africa Centre for HIV/AIDS Management.

Duration of programme and starting date

Duration: One to two years.

Starting date: March.

Programme's mode of delivery

Hybrid learning.

Enquiries

Programme administrator: Mr Fanyane Chabalala

Africa Centre for HIV/AIDS Management

Tel: 021 808 3006

E-mail: wchabalala@sun.ac.za

Website: www.aidscentre.sun.ac.za

Enquiries will be referred to the correct contact person.

Programme structure

This programme consists of four compulsory coursework modules and a research assignment. It is presented through blended learning. This includes compulsory attendance of summer school in March, satellite classes during the year and online teaching.

Programme content

Programme module

You must earn a total of at least 180 credits for this programme.

Code	Module	Credits	Module Name	Semester
57665	899	180	HIV/AIDS Management (Coursework and Assignment option)	Both

All modules are compulsory.

Code	Module	Credits	Module Name	Semester
56375	846	80	Research Assignment: HIV/AIDS Management	Both
47015	846	25	Research Methods	Both
57657	846	25	Social Responsibility Ethics and HIV/AIDS	Both
57649	846	25	Strategic Human Resources Management	Both
56081	846	25	The Epidemiology and Problem of HIV/AIDS	Both

4.4.5 MPhil (Leadership Coaching)

Admission requirements

- An honours degree, *or*
- A four-year professional bachelor's degree, *or*
- A three-year bachelor's degree and a postgraduate diploma.

Please note: Your preceding academic qualification should be at least on NQF Level 8, which means that it should have entailed a research component.

Further requirements

- A minimum of four years' work experience in the field of People Management.
- A comprehensive essay in which you reflect on your work experience and motivate why you should be admitted to the programme.
- Psychometric testing may be required.

Selection

The number of students selected can be influenced by, for example, staff capacity and the availability of resources within the School, 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.

Should the number of applicants that meet the admission requirements exceed the available capacity of the School, the criteria in the admission requirements will be used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

Application procedure and closing date

Contact the Stellenbosch Business School directly at the details below under "Enquiries" to find out about the application process and closing date.

Duration of programme and starting date

Duration: Two years.

Starting date: February.

Programme's mode of delivery

Hybrid learning.

Enquiries

Stellenbosch Business School Admissions Office

Stellenbosch Business School

E-mail: admissions@usb.ac.za

Website: www.usb.ac.za

Programme administrator: Ms Cynthia Lategan-Kriel

Stellenbosch Business School

Tel: 021 918 4257

E-mail: cs4@sun.ac.za

Programme structure

This programme is presented at the Bellville Park campus and online in a hybrid format. The hybrid format comprises both compulsory on-campus contact block sessions and synchronous (in real-time) online classes. Detailed schedules are available on the Stellenbosch Business School website.

Programme content

Programme modules

You must earn a total of at least 180 credits for this programme.

Code	Module	Credits	Module Name	Semester
14674	879	180	Leadership Coaching	Both

All modules are compulsory.

Code	Module	Credits	Module Name	Semester
12306	871	20	Advanced Coaching Approaches	Both
12304	871	20	Business Coaching	Both
12305	871	20	Coaching for Leadership and Organisational Development	Both
12307	872	40	Coaching Practice	Both
12303	871	20	Fundamentals of Coaching	Both
57398	871	60	Research Assignment: Management Coaching	Both

4.4.6 MPhil (Sustainable Development)

Admission requirements

- You must have a Postgraduate Diploma in Sustainable Development from Stellenbosch University, *or*
- You must have an appropriate qualification equivalent to an honours degree.

Selection

If you have completed the Postgraduate Diploma in Sustainable Development and have achieved 65% or higher, you will receive preference. Only a limited number of applicants who achieved 65% or higher for another previous qualification equivalent to an honours degree (which is not the Postgraduate Diploma in Sustainable Development at Stellenbosch University) will be considered.

The departmental admissions committee will consider the following criteria to finally determine whether you are selected or not:

- Your choice of a research topic and whether the Centre has the capacity to offer supervision for it.
- Whether a potential supervisor has been identified and has agreed to supervise your project.
- Your presentation of a research concept note for research that is linked to ongoing research projects at the Centre and is deemed executable (by the departmental admissions committee), as well as the acceptance of this research concept note.
- Your demonstrated capability (academic experience and skills) to successfully complete a postgraduate study, as assessed by the departmental admissions committee.

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

Application procedure and closing date

Apply at www.sun.ac.za/pgstudies. South African as well as international applicants must apply before **30 September** of the year before their intended studies.

Duration of programme and starting date

Duration: One year, full-time, or two years, part-time.

Starting date: As a new student, you will be registered only by 31 March of your first year of study. However, you must already attend a research workshop during November of the previous year and submit your research proposal in January. You must also complete prescribed preparatory online tests before registration.

Programme's mode of delivery

Fully contact (face-to-face).

Enquiries

Programme administrator: Ms Amanda October
 Centre for Sustainability Transitions
 Tel: 021 808 9607
 E-mail: cstenquiries@sun.ac.za
 Website: www0.sun.ac.za/cst

Programme structure

This programme is presented at the Sustainability Institute in Lynedoch. It is a transdisciplinary programme comprising a minimum of two electives plus a research component that focuses on the planning, management and practice of sustainable development.

Research component

The research component consists of:

- One of the following:
 - A thesis *or*
 - Two academic articles according to with the requirements of the University, the Centre and the supervisor *or*
 - A business plan for a complex capital works project or sustainable development project;
- A compulsory Research Methodology workshop;
- Compulsory online tests.

Elective modules

In addition to the research component, you must complete specialised elective modules. This can be done in any of the following ways:

1. You may select any module from those listed below under "Programme content";
or
2. You may select a relevant module presented in another programme;
or
3. You may select a master's level elective in consultation with the programme administrator. Contact the Centre for Sustainability Transitions at the details provided above under "Enquiries".

Programme content

Programme module

You must earn at least 180 credits for this programme.

Code	Module	Credits	Module Name	Semester
14562	879	180	Sustainable Development	Both

Your credits accumulate as follows:

1. A research component of 150 credits, plus two elective modules of 15 credits each (30 credits in total), *or*
2. A research component of 120 credits, plus four elective modules of 15 credits each (60 credits in total).

Use the tables below to choose your modules.

Thesis (150 credits)

Code	Module	Credits	Module Name	Semester
13705	874	150	Thesis: Sustainable Development	Both

Thesis (120 credits)

Code	Module	Credits	Module Name	Semester
13705	875	120	Thesis: Sustainable Development	Both

Elective modules

- Choose two or four modules, depending on the credit value of your chosen research component.
- If you are doing a business plan, you must select the two Capita Selecta modules and do the Intermediate and Advanced Project Management short courses offered by the School of Public Leadership at Bellville Park.

Code	Module	Credits	Module Name	Semester
13704	871	15	Capita Selecta: Advanced Studies in Sustainable Development	Both
13703	871	15	Capita Selecta: Transdisciplinary Research in Sustainability Transitions	Both
12531	874	15	Renewable Energy Finance	Both
11651	871	15	Renewable Energy Policy	Both
11273	871	15	Research Dissemination	Both
51764	871	15	Research Methodology	Both

- The following elective module is presented by departments in the Engineering Faculty. You may also choose this as an elective.

Code	Module	Credits	Module Name	Semester
64904	844	15	Bio-energy	2

4.5 Master of Business Management and Administration (MBA)

Admission requirements

- An appropriate four-year bachelor's degree (NQF Level 8) and at least three years' relevant full-time working experience;
or
- An honours degree (NQF Level 8), plus three years' relevant full-time working experience;
or
- An appropriate three-year bachelor's degree (NQF Level 7) and a postgraduate diploma (NQF Level 8), plus at least three years' relevant working experience.

Please note:

- Your working experience should preferably be on managerial level.
- The Postgraduate Diploma in Business Management and Administration can help you to qualify for admission to the MBA.

Further requirements

In addition to the requirements above, you must:

- obtain satisfactory results in the SHL or GMAT selection tests;
- submit a comprehensive CV;
- submit two essays, showing your level of motivation and working experience.

Selection

The number of students selected can be influenced by, for example, staff capacity, availability of resources within the School 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.

Should the number of applicants that meet the admission requirements exceed the available capacity, a selection process is applied by a selection committee. The criteria that are applied by the committee include multiple components supporting the Stellenbosch Business School's drive for inclusivity and upholding our global standard for learning. The Stellenbosch Business School selection committee considers work experience, qualifications, assessment results, writing ability and motivation for further development when choosing suitable candidates. These criteria are used to rank the applicants in order of suitability, and to finalise the list of selected applicants.

A mark of at least 40% in Mathematics at NSC (Grade 12) level or equivalent is not a requirement, but it is an important indicator of whether or not you will be able to complete this programme successfully. This mark will be considered alongside your selection test results, your CV and your prior qualifications to determine your selection.

Selection takes place every year, starting in July. You will also be expected to have a selection interview with a representative from the Stellenbosch Business School.

Application procedure and closing date

The application process is the same for South African and international students: Go to www.usb.ac.za/apply and complete the online MBA application form. You will be able to complete the form in steps without losing information.

It is advisable to complete the application form as soon as possible in order to register for the programme. The closing date for South African applications is **15 November** of every year while the closing date for international applications is **31 October** of every year.

Duration of programme and starting date

Duration: Two years.

Starting date: January.

Programme's mode of delivery

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

Hybrid learning.

Assessment

Deadline for submitting the research assignment

The submission date for the research assignment is **1 December**. No extension will be granted. If you fail to submit by 1 December, but do submit by the supplementary date of 15 January, a maximum mark of 50% will be awarded. If you fail to submit the research assignment by 15 January, you will have to re-register for the module.

Provisions relating to the continuation and termination of studies

Full-contact and hybrid-learning students

If, towards the end of the first academic year, you have completed the compulsory syllabus and still have more than 35% of your credits for the core modules in arrears, you will not be allowed to continue with the MBA programme.

All groups

You have the minimum period plus one grace year to complete the MBA programme. If you have already used the additional grace year and you still have credits in arrears, it could happen that you will not be allowed to continue with the programme.

Enquiries

Stellenbosch Business School Admissions Office
Stellenbosch Business School
E-mail: admissions@usb.ac.za

Website: www.usb.ac.za

Programme administrator: Ms Elzette van Zyl
Stellenbosch Business School
Tel: 021 918 4154
E-mail: evz@sun.ac.za

Programme structure

This programme is presented at the Bellville Park campus and online in a full-contact and a hybrid learning format.

The **full-contact format** comprises nine one-week blocks (with classes from Monday to Saturday) on campus over two years.

The **hybrid learning format** comprises both compulsory on-campus blocks and classes that can be attended either synchronously (in real-time) online or face-to-face (F2F) on campus. Detailed schedules are available on the Stellenbosch Business School website

Focal areas

Stellenbosch Business School has three MBA focal areas over and above the current general MBA. These focal areas are presented from the second year in the MBA hybrid learning format:

- Managing International Organisations,
- Health Care Leadership, and
- Project Management.

For more information, please visit www.usb.ac.za.

Programme content

Programme module

You must earn a total of 213 credits for this programme.

Code	Module	Credits	Module Name	Semester
10723	879	213	Business Management and Administration	Both

4.5.1 Business Management and Administration: General

Compulsory modules (197 credits)

The compulsory modules include the Leadership Development module, which spans the entire MBA, and the International Study module at a foreign business school.

Code	Module	Credits	Module Name	Semester
13385	815	8	Accounting for Decision-making	Both
13386	815	4	Business Communication Skills	Both
58955	815	8	Business in Society	Both
13379	815	12	Contemporary Decision-making	Both
65668	815	12	Corporate Finance	Both
13377	815	8	Digital Enterprise Management	Both
51810	815	8	Economics for Managers	Both
13380	815	8	Human Capital Management	Both
13378	815	8	Integrated Case Studies	Both
60127	815	8	International Study module	Both
12345	815	16	Leadership Development	Both
13383	815	8	Operational Excellence	Both
13384	815	8	Perspectives on African Frontiers	Both
10812	815	8	Managerial Accounting	Both
13157	815	8	Managerial Statistics	Both
13381	815	45	Research Methodology and Assignment	Both
59587	815	12	Strategic Management	Both
13387	815	8	Strategic Marketing and Branding	Both

Elective modules (16 credits)

You must select two elective modules of 8 credits each or one elective module of 16 credits. See www.usb.ac.za for electives.

The elective modules are grouped together in specialisation streams. By choosing elective modules from the same speciality, you can acquire areas of expertise in Strategy, Leadership, Finance, Marketing, Operations, Technology and Innovation.

The elective modules change yearly.

4.5.2 Focal areas in the MBA programme

4.5.2.1 Focal area: Health Care Leadership

Compulsory modules (28 credits)

Code	Module	Credits	Module Name	Semester
13930	817	12	Health Care Finance	Both
13928	817	8	Health Care Systems and Policy	Both
14487	817	8	Value-based Healthcare	Both

4.5.2.2 Focal area: Managing International Organisations

Compulsory modules (28 credits)

Code	Module	Credits	Module Name	Semester
14390	814	8	Diplomacy in Complex Systems	Both
13924	828	12	Finance for Development	Both
13923	828	8	International Organisations Leadership	Both

4.5.2.3 Focal area: Project Management

Compulsory modules (28 credits)

The Managing of Projects module in the Postgraduate Diploma in Project Management programme is compulsory if you did not graduate from the Postgraduate Diploma in Project Management.

Code	Module	Credits	Module Name	Semester
14260	819	8	Project Management Innovations	Both
14261	819	12	Project Portfolio Finance	Both
14262	819	8	Project Portfolio Management	Both

5. Doctoral programmes

5.1 Graduate School of Economic and Management Sciences (GEM)

Promotion of doctoral studies in Economic and Management Sciences

GEM is managed as a unit in the Dean's office. It started its operations in 2014 with the purpose of strengthening the Faculty's doctoral throughput rate by allowing some students to study full-time and enhancing access to doctoral studies in the disciplines that are housed in the Faculty of Economic and Management Sciences. GEM essentially plays a supporting role so that candidates have a better chance of finalising their doctoral studies within the allocated time of three years. Find out more on the GEM website under "About":

www.sun.ac.za/english/faculty/economy/gem/about.

Admission to the GEM programme.

The admission requirements for students that are admitted into GEM's doctoral programme are the same as the requirements stipulated for the PhD degree.

Applications are accepted during the application period that is indicated on the GEM website under "Research Themes": www.sun.ac.za/english/faculty/economy/gem/research-themes.

Enquiries

Dr Jaco Franken

Manager: Graduate School of Economic and Management Sciences (GEM)

Room 1017, Al Perold building

Stellenbosch University

Tel: 021 808 9545

E-mail: franken@sun.ac.za

Website: www.sun.ac.za/english/faculty/economy/gem

5.2 PhD programmes

Admission requirements

To be admitted to a PhD programme:

- you must have a master's degree from a reputable university approved by Senate for this purpose, *or*
- you must have in some other manner attained a standard of competence in your field of study, which is deemed adequate by Senate for this purpose.

Contact the relevant environment (department, school or research body) for their specific requirements. You will find their contact details in the chapter "General Information", at the beginning of this book.

Also consult Part 1 (General) of the University Calendar and the Faculty's PhD guidelines for more on admission to the PhD. The Faculty's PhD guidelines can be found on our website, www.sun.ac.za/ems, under "Prospective students".

Application procedure and research proposal

Most of the environments in the Faculty offer a PhD programme. Please contact the relevant environment if you are interested in doing a PhD (contact details are in the chapter "General Information").

Once the suitability of your proposed study has been assessed by the head of the relevant environment, a supervisor(s) will be nominated to supervise your study. You will then work on a research proposal in consultation with your supervisor(s) and submit the proposal to the departmental admissions committee for approval. The admissions committee will make a recommendation to the Faculty Board who will make a recommendation to Senate for final approval. Once your proposal has been approved, you may formally register for the PhD programme.

See the Faculty's PhD guidelines for more detail regarding the process of initiating a PhD application and preparing your proposal, as well as more detail on the approval process. (Find the PhD guidelines at www.sun.ac.za/ems under "Prospective students".)

For the complete University provisions for the doctorate, including matters like the code of conduct regulating the relationship between students and their supervisors, continuation of registration, interruption of studies and failure to register, consult the relevant section in Part 1 of the University Calendar.

Duration of programme (minimum period of registration)

You must be registered formally for the PhD programme for at least **two** academic years before the PhD may be conferred on you (see Part 1 of the University Calendar, at 6.1 under "The Doctorate"). For more information on enrolment beyond two years, see the Faculty's PhD guidelines under "Prospective students" on our website.

Programme outcomes

You must conduct advanced, original research of a high quality in the area of Economic and Management Sciences or Administrative Sciences, which must be approved by the University. The work you submit must:

- be of a high standard,
- deal with a central theme, *and*
- demonstrate that you have, in the Senate's view, substantially contributed to enriching the knowledge in the field of Economics, Business Science or the Administrative Sciences (in other words, have made an original subject contribution). Senate acts on the recommendation of the Faculty Board, which is based on the decision of the Faculty's doctoral examination panel.

Assessment and examination

The examination process for all PhDs in the Faculty of Economic and Management Sciences is handled entirely by the office of the Vice-Dean (Research). Consult the Faculty's PhD guidelines for Faculty-specific detail (under "Prospective students" at www.sun.ac.za/ems).

For the complete University provisions concerning matters like awarding the degree, dissertation regulations, the format of dissertations, fees payable, publication of dissertations and sensitive dissertations consult the section on the doctorate in Part 1 (General) of the University Calendar.

Submitting your doctoral dissertation

- You must submit all the required copies of your dissertation for examination around the **end of July or beginning of August** of a particular year, if you wish to graduate in December of that year; or around the end of September if you wish to graduate in March/April of the next year. Exact submission dates vary from year to year and are communicated to departments when they are available. Please ensure that you find out in time what they are.
- Your supervisor must inform the PhD coordinator in the office of the Vice-Dean (Research) at least two weeks before the deadline for submission that you are planning to submit your dissertation for examination.
- You must submit an electronic copy by the deadline, as well as a ring-bound, hard copy for each examiner who prefers this option.
- Your supervisor must confirm to the Vice-Dean (Research) that the appointed examiners are still available, together with a written confirmation that the dissertation is ready to be examined. Paragraph 1.5 in the Faculty's PhD guidelines explains the assessment to determine whether the dissertation is ready for examination. This assessment must include confirmation that the document has been language-edited by an accredited language editor and has been assessed for potential plagiarism using appropriate software.

Oral examination

- You must participate in an oral examination to the examiners' satisfaction who will advise the Faculty Board and Senate on the awarding of the degree. See Part 1 of the University Calendar and the Faculty's PhD guidelines for more detail on the oral examination.

Enquiries

Direct your enquiries about a PhD in a specific field to the relevant environment. You can find the necessary contact details in the chapter "General Information" at the beginning of this book.

5.3 Transdisciplinary doctoral programme focusing on complexity and sustainability studies

Admission requirements

The admission requirements of the Faculty where you are to be registered will apply (see "PhD programmes" above for the EMS Faculty's PhD admission requirements).

Application procedure and research proposal

PhD study opportunities that arise within supervisory capacity and research focal areas of sustainability transitions will be communicated on the Centre for Sustainability Transitions' (CST) website. If you have a research idea which is in line with CST's research focal areas you may submit a one-page outline of your research idea and CV to the Centre by e-mail. If there is a possibility of conducting studies at the CST, a provisional supervisor will ask for a more detailed set of research ideas and set up a meeting with you. If your expression of interest passes this initial screening, you will liaise with your supervisor to prepare a doctoral research proposal. You will then present your proposal to a PhD Admissions Committee for evaluation. The usual criteria and processes of admission, registration and appointment of doctoral supervisor(s) of the faculty where you are to be registered will apply (the PhD guidelines of the Faculty of Economic and Management Sciences regarding these matters can be found on the Faculty website, www.sun.ac.za/ems, under "Prospective students").

Duration of programme

- This is a full-time three-year programme.
- As far as practically possible, you will be located together with fellow students at the Centre for Sustainability Transitions' (CST) research commons so as to ensure maximum transdisciplinary synergy among students and supervisors.
- You will be allowed additional time to complete your dissertation, if necessary.

Interdepartmental and interfaculty collaboration

You may complete your studies in the Faculty of Economic and Management Sciences, or in cooperation with departments in the faculties of Arts and Social Sciences, AgriSciences, Engineering, Law, Medicine and Health Sciences, Science and/or Theology.

You will receive the doctoral qualification of the faculty in which you are registered.

Programme description

The dissertation for this programme bears the full credit load of the programme. Non-credit-bearing short courses will be offered from time to time to support student development. These short courses are presented by international and local experts, in the areas of sustainability, transdisciplinary epistemology, methodology and methods, social-ecological systems, resilience and complexity theory. You are also encouraged to attend the Centre for Sustainability Transitions' (CST) postgraduate seminar series, which will afford you the opportunity to present and discuss your work in progress with fellow students and academics.

Assessment and examination

The usual examination procedures of the University and the faculty in which you are registered apply.

Enquiries

Programme administrator: Ms Amanda October
 Centre for Sustainability Transitions (CST)
 Tel: 021 808 9607
 E-mail: cstenquiries@sun.ac.za
 Website: www.sun.ac.za/cst

Subjects, Modules and Module Contents

1. Definitions and explanations of important terms

It is important that you take note of the definitions of a few terms to understand and use this chapter fully. The example below shows how these terms will appear later in this chapter.

Example:

10553 Industrial Psychology

114 (12) Industrial Psychology (3L, 1P)

1.1 Explanation of terms in the example

- Five-digit subject number

10553 Industrial Psychology

Each subject is identified by this five-digit subject number.

- Subject name

10553 Industrial Psychology

The number and name of a specific subject appear before the various modules of the subject are presented. To refer to a specific module, the subject name, followed by the module code and the credit value of the specific module, is used; for example, in this case: Industrial Psychology 114 (12).

- Module code –

114 (12) Industrial Psychology (3L, 1P)

The module code consists of a three-digit number that is unique to the specific module. The abovementioned module code "114" has the following meaning:

- The first digit refers to the year of study in which the module is presented, for example:

Year 1: 114

Year 2: 214

Year 3: 314

Postgraduate modules are indicated with a "7" or an "8" in this position.

- The second digit "1" refers to the semester that the module will be presented in and also serves as a number to distinguish between various modules offered within the same specific year of study. The University uses different numbers to indicate the particular semester of a module, either the first or the second semester, or modules that are presented in both semesters (which are year modules). The numbers that indicate semesters are as follows:

- **1, 2 or 3** – modules are presented in the first semester.

Semester 1: 214, 324, 334

- **4, 5 or 6** – modules are presented in the second semester.

Semester 2: 342, 354, 364

- **7, 8 or 9** – modules are presented in both semesters, which are year modules.

Year module (both semesters): 278, 288, 391

- The third digit of the module code, in this case "4", serves as a distinguishing digit between various modules of the same subject in a particular year of study.

- Credit value

114 (12) Industrial Psychology (3L, 1P)

The number between brackets after the module code indicates the credit value of the particular module, in this case 12.

Therefore, Industrial Psychology 114 (12) is a module presented in the first semester of the first year and you earn 12 credits for it.

- Module topic
114 (12) Industrial Psychology (3L, 1P)
This indicates the subject that will be dealt with in this specific module.
- Teaching load
114 (12) Industrial Psychology (3L, 1P)
The teaching load of a module gives you both the teaching load and the type of teaching per week that you can expect in this particular module. For the module, Industrial Psychology 114 (12) you can expect three lectures and one practical period a week for the duration of the module (that is, one semester). The following abbreviations are used for the teaching load:
 - **L** – Lectures lasting 50 minutes each, for example 3L
 - **P** – Practical periods lasting 50 minutes, for example 1P, 2P, 3P
 - **S** – Seminars lasting 50 minutes, for example 1S
 - **T** – Tutorials lasting 50 minutes, for example 1T, 2T
- Hybrid learning – **(HL)**
Hybrid learning involves shorter periods (block sessions) of on-campus (face-to-face) teaching and learning, supported by sustained periods of fully online learning. The longer "blocks" of fully online learning will likely consist of mainly asynchronous learning (where you can access materials to learn in your own time) and some synchronous online activities (where you join others online). The abbreviation for hybrid learning is "**HL**".

2. Prerequisite pass, prerequisite and corequisite modules

After the description of the module's content, the prerequisite pass, prerequisite and corequisite modules for that module are given, where applicable. The following terms are used:

- Prerequisite pass module
 - A prerequisite pass module is a module that you must **pass** before you can take the module(s) for which it is a prerequisite pass module.
- Prerequisite module
 - A prerequisite module is a module in which you must obtain a **final mark of at least 40**, before you can take the module for which it is a prerequisite module. If you registered for a prerequisite module while it was examined by the "examination" assessment system, your **class mark** for it must be 40 for you to meet the prerequisite.
 - If you have once complied with a prerequisite rule, your compliance will remain valid for the period given in the applicable assessment rules, even if you repeat the prerequisite module and do not meet the minimum level when repeating the module.
 - *Please note:* You must **pass** all the modules you used as prerequisites in the programme before the relevant degree, certificate or diploma can be awarded to you.
- Corequisite module
 - A corequisite module is a module that you must register for in an **earlier semester** than the module for which it is a corequisite, **or in the same semester**.
 - *Please note:* You must **pass** all the modules you used as corequisites in the programme before the relevant degree, certificate or diploma can be awarded to you.

3. Undergraduate subjects, modules and module contents

The undergraduate subjects with their accompanying modules, credits, module subjects, teaching loads and module content are presented below in **alphabetical order according to subject area within the following groups: departments, schools, centres, faculties**.

Department of African Languages (Faculty of Arts and Social Sciences)

Note: For more information regarding the modules offered by the Faculty of Arts and Social Sciences, see the Calendar part for the Faculty of Arts and Social Sciences.

49638 Basic Xhosa

Special provisions for taking Basic Xhosa

1. Students who have passed Xhosa for the matriculation or other equivalent examination may not follow Basic Xhosa for degree purposes.
2. No previous knowledge of Xhosa is required.
3. Basic Xhosa normally does not lead to continuation of Xhosa in the second year, but in exceptional circumstances the Department may grant permission for such study in the second year.
4. Basic Xhosa may not be taken as a separate course in addition to Xhosa 178 for degree purposes.
5. Basic Xhosa 114 is a prerequisite for Basic Xhosa 144.
6. Basic Xhosa 174 is aimed at staff and students from other faculties, as well as the general public, who are unable to attend regular classes but wish to learn Xhosa at a basic level. It is offered after-hours over the course of the full academic year.

114 (12) Introduction to Communication in Xhosa (3L, 1T)

The classification of the African languages of South Africa;

The communication skills of speaking, listening comprehension, reading and writing in a socio-cultural context;

Cultural perspectives and language-related cultural conventions relevant to basic communication in Xhosa;

The grammar of Xhosa relevant to the learning of basic communication skills.

Home department: African Languages

144 (12) Introduction to Communication in Xhosa (3L, 1T)

The communication skills of speaking, listening comprehension, reading and writing in socio-cultural context;

Cultural perspectives and language-related cultural conventions relevant to basic communication in Xhosa;

The grammar of Xhosa relevant to the learning of basic communication skills.

Prerequisite module: Basic Xhosa 114

Home department: African Languages

21687 Xhosa

Special provisions for taking Xhosa

The modules (Xhosa 178, 214, 244, 318, 348) constitute the contents for students who did not pass Xhosa or Zulu first language for the matriculation examination (that is, the non-mother-tongue stream), while the modules that follow below (Xhosa 188, 224, 254, 328 and 358) constitute the contents for students who have a first-language communication proficiency in Xhosa or Zulu.

178 (24) Introduction to Xhosa Language and Culture (3L, 1T)

Classification of the African languages

Language policy and language planning for the African languages;

The communication skills of speaking, listening comprehension, reading and writing in socio-cultural contexts;

Cultural perspectives and language-related cultural conventions relevant to basic communication in Xhosa;

Xhosa grammar relevant to acquiring communication skills in Xhosa

Introduction to the linguistics of Xhosa;

Introduction to communication in authentic prescribed texts from the printed media (newspaper, magazine);

Introduction to the literature of Xhosa.

Notes

1. Students who have passed Xhosa or Zulu First Language for the matriculation examination or an equivalent examination may not take Xhosa 178 for degree purposes but can take Xhosa 188.
2. No previous knowledge of Xhosa is required.

Home department: African Languages

188 (24) Introduction to Xhosa Language, Communication and Culture (3L, 1T)

Classification of the African languages;

Language planning and language policy for the African languages;

Xhosa language and culture with regard to authentic spoken and written texts (e.g. printed media: newspaper, magazine) and visual media (television);

Communication in Xhosa in a range of communication contexts;

Xhosa literature: a choice of genres;

Xhosa linguistics.

Note: Xhosa 188 requires a first-language communicative proficiency in Xhosa or Zulu.

Home department: African Languages

Department of Afrikaans and Dutch (Faculty of Arts and Social Sciences)

Note: For more information regarding the modules offered by the Faculty of Arts and Social Sciences, see the Calendar part for the Faculty of Arts and Social Sciences.

39373 Afrikaans and Dutch**178(24) Introductory Studies in Afrikaans Language and Literature (3L, 2P)**

Students complete **five** components:

- Afrikaans language proficiency
- Introduction to Afrikaans poetry
- Introduction to Afrikaans prose
- Introduction to Afrikaans language studies
- One of the following electives:
 - The origins and development of Afrikaans
 - Introduction to Dutch

Home department: Afrikaans and Dutch

Department of Agricultural Economics (Faculty of AgriSciences)

Note: For more information regarding the modules offered by the Faculty of AgriScience, see the Calendar part for the Faculty of AgriSciences.

15504 Agricultural Economics**234 (16) South African Agriculture (6L)**

An overview of the structure of the agricultural sector with regard to production and resource use; analysing the roles of agriculture, the institutional framework for agriculture, and the international context. History of agricultural policy; marketing and prices.

Home department: Agricultural Economics

242 (8) Agricultural Production Economics and Methods of Financial Analysis (2L, 1T)

Production relations; optimising in factor-product, factor-factor, and product-product relations; cost relations; income, costs and margins in farming; cost accounting; economic and financial criteria; budgets.

Prerequisite module: Economics 114

Home department: Agricultural Economics

262 (8) The Economics of Agricultural Resources (3L)

Basic concepts; determinants of the demand, supply and value of natural resources; resources and technology; the influence of location on land use; industry-specific factors.

Home department: Agricultural Economics

314 (16) Farm Management (4L, 2T)

Approaches to management; entrepreneurship; strategic and operational decision-making; management functions; management information and systems; capital requirements of a farming operation and credit sources; financing policy. Analysis of problems in respect of estate planning, inheritance and taxation (capital transfer tax and income tax) in agriculture. The communication process, communication channels.

Prerequisite module: Agricultural Economics 242

Home department: Agricultural Economics

334 (16) Agricultural and Food Marketing (3L, 3P)

This module is designed to introduce a comprehensive and balanced treatment of food marketing systems. It blends marketing and economic theory with real-world analytical tools in order to assist students in better understanding the food system and making profitable marketing decisions.

Home department: Agricultural Economics

354 (16) Agricultural Policy in the South African Context (3L)

Investigation of priority policy issues in South African agriculture; the influence on South Africa of the Agreement on Agriculture and subsequent attempts to order international trade in agricultural products; changes in the structure of food supply chains and the globalisation of food trade; BEE and transformation in South African agriculture; the linkages of agriculture to the rest of the economy.

Home department: Agricultural Economics

364 (16) Farm Planning and Decision-making (4L, 2T)

Creative problem-solving; framework for analysing farm decision-making; information processing and human judgement; approaches to decision-making under conditions of risk and uncertainty; tools and techniques for farm planning and decision-making; linear programming applications; deficiencies in the linear programming algorithm and the introduction of alternative programming techniques; case studies.

Prerequisite module: Agricultural Economics 242

Home department: Agricultural Economics

Department of Ancient Studies (Faculty of Arts and Social Sciences)

Note: For more information regarding the modules offered by the Faculty of Arts and Social Sciences, see the Calendar part for the Faculty of Arts and Social Sciences.

15644 Latin**178 (24) Latin Grammar and Literature for Beginners (3L,1P, 1T)**

Introductory Latin grammar and literature.

Cultural background.

Home department: Ancient Studies

Department of Business Management**48550 Business Management****113 (12) Business Management (3L, 1P)**

Procedures for the establishment of a new business, the business environment, business ethics, competition, idea generation and entrepreneurship, choice of form of business, determining break-even levels, resources and people involved in the business, management and managerial resources.

Home department: Business Management

142 (6) The Investment Decision (1.5L, 1P)

The investment cycle; the role and functioning of the JSE Securities Exchange SA; investment risks; factors that influence share prices; fundamental and technical analysis of companies.

Home department: Business Management

58335 Entrepreneurship and Innovation Management

214 (16) Introduction to Entrepreneurship (4L)

Introduction to the world of entrepreneurship in South Africa; drivers of entrepreneurship; introduction to the identification of opportunities and development of ideas; the analysis of the entrepreneurial process; feasibility analysis; building a new venture team; assessing a new venture's financial strength and viability; ethics and legal considerations; getting finance; the importance of intellectual property; the importance of growth; growth strategies; buying an existing business.

Corequisite module: Business Management 113

Home department: Business Management

244 (16) Small Business Management (4L)

The scope and nature of small business development in South Africa; the important role of SMMEs in the South African economy; management of entrepreneurial opportunities; small business marketing management, purchasing, manufacturing and financial management; alternative routes to entrepreneurship; financing of opportunities in the market environment; management of growth of the small business; legal requirements which small businesses must adhere to; E-commerce and the entrepreneur; compilation of the business plan with the emphasis on the layout; different elements of the plan, balance sheet, income statement and cash flow statement; broad-based black economic empowerment and opportunities for SMMEs.

Corequisite module: Business Management 113

Prerequisite module: Entrepreneurship and Innovation Management 214

Home department: Business Management

318 (24) Creativity and Innovation Management (4L)

The importance of technological innovation; sources of innovation: creativity and organisational creativity; translating creativity into innovation; types and patterns of innovation; standards battles and design dominance; timing of entry; innovation strategies; choosing innovation projects; collaboration strategies; protecting innovation; introduction to the new product development process.

Prerequisite modules: Entrepreneurship and Innovation Management 214 or 244

Home department: Business Management

348 (24) Strategic and Corporate Entrepreneurship (Intrapreneurship) (4L)

Driving forces in the "new" economy that necessitate corporate entrepreneurship; link between entrepreneurship and strategic management; framework for entrepreneurial strategy; role of entrepreneurship in a large company and an analysis of the differences between entrepreneurship and intrapreneurship; factors which facilitate and inhibit intrapreneurship; the development of a framework for implementation of corporate entrepreneurship in South Africa; entrepreneurial leadership; link between corporate entrepreneurship and performance.

Prerequisite modules: Entrepreneurship and Innovation Management 214 or 244

Home department: Business Management

13353 Exchange Semester

342 (60) Exchange Semester (2L)

Only applicable to BCom (International Business) Stellenbosch University full degree seeking students.

Students take part in a semester at one of Stellenbosch University's partner institutions. The network of partners includes a wide variety of world regions. All modules are pre-selected by the responsible department to fit in with the objectives and outcomes of the programme.

Home department: Business Management

51047 Financial Management

214 (16) Introduction to Financial Management (3L, 1P)

Compiling the statement of financial position, the statement of profit or loss and the statement of cash flows; the measurement and evaluation of financial performance with reference to profitability, liquidity and solvency analysis; case studies about financial analysis; introduction to the investment decision; the financing decision; sources of finance; the dividend decision; financial planning and the management of working capital with specific reference to cash, trade receivables and inventory control; financial failures; international financial management.

Corequisite modules:

- Business Management 113
- Business Management 142 or Mathematics 114 or Mathematics (Bio) 124

Home department: Business Management

244 (16) Corporate Financial Management (3L, 1P)

The evaluation and interpretation of corporate financial performance by means of detailed ratio analyses and sustainability considerations; share and bond valuation; discussion of the influence of dividend policy on corporate valuations; the influence of financing policy on a firm's value; the effort of behavioural biases and heuristics on investment decisions.

Corequisite module: Financial Management 214

Home department: Business Management

314 (12) Financial Planning and Control (2L)

Standardisation of published financial statements; reclassifying items from financial statements for managerial decision-making; application of financial planning process by means of financial forecasting; calculation of the sustainable growth rate; estimation of an optimal capital structure; the application of free cash flow valuations; the influence of inflation on annual financial statements.

Corequisite modules:

- Financial Management 214
- Financial Management 244 or Investment Management 254

Home department: Business Management

332 (12) Capital Investments (2L)

The application of the following financial selection measures on large capital projects: payback period method, method of the equivalent uniform annual cost, net present value method and the internal rate of return method; the impact of inflation when assessing investment projects and the calculation of the cost of capital; priority determination for multiple mutually exclusive projects.

Corequisite modules:

- Financial Management 214
- Financial Management 244 or Investment Management 254

Home department: Business Management

352 (12) Financial Management Research (2L)

Identification and formulation of financial management problems and/or opportunities; setting financial research objectives; identifying appropriate research designs; conducting secondary and/or primary research; conducting financial data analysis to achieve research objectives.

Corequisite modules:

- Financial Management 214
- Financial Management 244 or Investment Management 254

Home department: Business Management

354 (12) Mergers and Acquisitions (2L)

Processes during mergers and acquisitions; financial and strategic aspects; theories; relevance of competition and other legislation; empirical information; LBOs; MBOs; defensive strategies; joint ventures and alliances; unbundling; management guidelines.

Corequisite modules:

- Financial Management 214
- Financial Management 244 or Investment Management 254

Home department: Business Management

59765 Financial Planning

314 (24) Financial Planning (4L)

Principles and practices of financial planning; regulatory environment; personal financial management; the time value of money; risk management; principles of short-term and long-term insurance; healthcare planning; investment vehicles; client risk profiling; the investment planning process; retirement funds; taxation of retirement-fund lump sums; capital needs analysis at retirement; the retirement planning process.

Corequisite module: Financial Management 214

Prerequisite modules: Investment Management 254

Home department: Business Management

344 (24) Financial Planning (4L)

Estate duty; matrimonial property law; law of succession; law and taxation of trusts; administration of estates; donations tax; capital gains tax; estate planning strategies and techniques; business entities; business insurance solutions.

Corequisite module:

- Financial Management 214
- Financial Planning 314

Prerequisite module: Investment Management 254

Home department: Business Management

55344 Investment Management

254 (16) Introduction to Investment Theory (3L, 1P)

Portfolio theory and portfolio management; the relationship between risk and return; the efficient market hypothesis; valuation and risk of fixed income securities; evaluation of share investments; properties of derivative instruments; derivative strategies; valuation of options and futures; measurement and evaluation of portfolio returns.

Corequisite module: Business Management 113

Prerequisite modules:

- Business Management 142
- Statistics and Data Science 188 *or*
- Probability Theory and Statistics 114 *or* 144

Home department: Business Management

314 (12) Equity Analysis (2L)

Theory of valuation; valuation models and techniques; practical implementation of valuation models; valuation variables; stock market analysis; industry analysis; company analysis and stock selection; technical analysis; equity portfolio management strategies.

Prerequisite module: Investment Management 254

Prerequisite pass modules:

- Statistics and Data Science 188 *or*
- Probability Theory and Statistics 114 *or* 144

Home department: Business Management

324 (12) Fixed Income Securities (2L)

Features and overview of fixed income securities and sectors; yield measures and spreads; valuations; interest rate risks and returns; credit analysis; term structure and interest rate dynamics; and other selected securities.

Prerequisite module: Investment Management 254

Prerequisite pass modules:

- Statistics and Data Science 188 *or*
- Probability Theory and Statistics 114 *or* 144

Home department: Business Management

344 (12) Derivative Instruments (2L)

Exposure to and handling of financial risk; the risk management process; the hedging concept; the functions of the treasury and the management of negotiable value; characteristics of derived financial instruments; strategies for the use of derived financial instruments; valuation of options and futures contracts; basic arbitrage strategies with options and futures contracts; swaps and forward rate agreements; alternative investments.

Prerequisite module: Investment Management 254

Prerequisite pass modules:

- Statistics and Data Science 188 or
- Probability Theory and Statistics 114 or 144

Home department: Business Management

348 (12) Property Investment (2L)

Introduction to the nature and scope of real estate; real estate markets and trends; legal aspects; financial and investment analysis in respect of the acquisition, ownership and sale of real estate; the role and impact of capital gains tax; market valuation approaches; types of real estate investment and financing instruments in the real estate market.

Corequisite modules:

- Financial Management 214 or
- Financial Accounting 178 or 188

Prerequisite pass modules:

- Statistics and Data Science 188 or
- Probability Theory and Statistics 114 or 144

Home department: Business Management

354 (12) Portfolio Management (2L)

The basic construction and ethical management of investment portfolios containing local and international investable asset classes. Investment ethics introduce the Code of Ethics and Standards of Professional Conduct of the CFA Institute; liability of investment practitioners towards the profession, employers, clients, possible clients and the broad public; reporting of historical investment returns; responsible risk taking; risk control. Portfolio management contains the functioning of investment markets; investment indexes; risk and return of real portfolios; advantages and disadvantages of diversification; transaction costs; investment analysis of portfolios investing in developed and emerging markets; and how to understand investors' behavioural patterns.

Corequisite module: Investment Management 254

Prerequisite pass modules:

- Statistics and Data Science 188 or
- Probability Theory and Statistics 114 or 144

Home department: Business Management

11286 Management of Corporate Social Responsibility**314 (12) Management of Corporate Social Responsibility (2L)**

Frameworks for planning and evaluating the actions of individuals and the organisation in the context of sustainable and socially responsible activities. Key themes covered include: introduction to the concepts business ethics and Corporate Social Responsibility (CSR); strategic management of stakeholder relationships; voluntary and regulatory influences on CSR; CSR in a global environment; managerial implications of specific South African CSR issues; strategic approaches to managing CSR in organisations. The integration of socially responsible behaviour into other management disciplines, for example marketing, innovation, finance and investments.

Prerequisite module: Business Management 113

Home department: Business Management

23795 Marketing Management

214 (16) Marketing Management (3L, 1P)

Modern marketing dynamics in enterprises and the community; marketing and the value creation process; customer satisfaction through quality and service; strategic marketing planning; analysis of the marketing environment; marketing information and research; analysis of consumer markets and other types of markets; measurement and forecasting of demand; market segmentation and target market selection; product decisions; price decisions; channel decisions and place strategy; communication decisions; direct marketing and sales promotion decisions.

Corequisite modules:

- Business Management 113
- Financial Management 214 *or*
- Financial Accounting 278 *or* 288 *or*
- Biometry 212

Home department: Business Management

244 (16) Integrated and Digital Marketing Communication (3L, 1P)

Marketing communication, advertising and the marketing process; the consumer audience; marketing communication research; functioning of marketing communication; marketing communication planning and strategy in traditional and digital environments; media; media planning and buying; traditional, new and digital media; planning and execution of creative advertising aspects; integration of the elements of marketing communication.

Prerequisite module: Marketing Management 214

Home department: Business Management

314 (12) Omnichannel Retail Marketing (2L)

Omnichannel approach to retail strategy and the retailing mix; location decisions; merchandise decisions; price decisions; communication decisions; consumer services and information; technology and systems; franchise agreements.

Prerequisite module: Marketing Management 214

Home department: Business Management

324 (12) Services Management (2L)

Unique characteristics of services; nature and process of service delivery; differences between product and service evaluations; development, communication and delivery of services; service quality and its measurement; the role of service providers and the environment of service delivery; implementation of service-marketing strategies.

Prerequisite module: Marketing Management 214

Home department: Business Management

344 (12) Marketing Research (2L)

Defining of the marketing problem; research design; exploratory research design for secondary data and qualitative research; surveys and observations as part of descriptive research; measurement of perceptions; questionnaire design; sampling; fieldwork and data preparation; formulation of hypotheses and basic statistical tests.

Prerequisite modules:

- Marketing Management 214, 244
- Probability Theory and Statistics 144 *or*
- Statistics and Data Science 188

Home department: Business Management

354 (12) Strategic Marketing (2L)

Function and application of marketing in different organisations and conditions; enterprise and marketing strategy; competitive marketing strategies; international marketing strategies; the marketing system; consumer markets and buying behaviour; institutional markets and buying behaviour; marketing planning processes; marketing controls.

Prerequisite modules: Marketing Management 214, 244

Home department: Business Management

59587 Strategic Management

344 (12) Strategic Management (1.5L, 0.5P)

Strategic management challenges in complex environments; business models and strategy; strategic environmental analysis; strategic resources and capability analyses; strategic leadership; strategy development; knowledge, innovation and complexity management; strategy implementation; performance measurement and change management.

Corequisite module: Business Management 113 (not applicable for students in Forest Science.)

Home department: Business Management

Department of Economics

14377 Behavioural Economics

441 (10) Behavioural Economics (2L, 2T)

This module provides an introduction to behavioural economics, which incorporates insights from psychology into standard microeconomic models, like discounted utility and expected utility. Several topics and applications will be discussed (including hyperbolic discounting, social preferences and motivated beliefs) with the objective to provide students with a foundation to apply behavioural economic analysis, both formally and intuitively, in either a business or academic environment. The main focus is theoretical model building and analysis, with reference to and exploration of related empirical issues.

Prerequisite pass modules: Economics 318, 388

Corequisite module: Microeconomics 441

Home department: Economics

10430 Econometrics

441 (20) Econometrics(2L, 2T)

In part 1 of the module the building blocks of all standard time series models are formally derived and applied to real-world data. This prepares students for empirical economic research using time series data as well as serving as an introduction to theoretical econometric work.

Part 2 of the module considers a range of more advanced quasi-experimental cross-sectional and panel models. Models will be introduced in the lectures and applied in the tutorials. The module focusses on the identification assumptions behind each model – when these assumptions are likely to hold and when they are unlikely to hold. This will equip students with the skills necessary to determine which of these models will be most appropriate for their own work.

Prerequisite pass modules: Economics 318, 388

Home department: Economics

12084 Economics

114 (12) Economics (3L, 1T)

Problems economists address: inequality, poverty, economic growth, sustainability, scarcity, choice. *Economic decision-making:* incentives, relative prices, economic rent, labour, production, opportunity cost.

Economic relationships and interactions: game theory, equity, efficiency.

Markets: demand and supply, price-taking and competitive markets, elasticity, labour market.

Market dynamics: rent-seeking, market failure, externalities and government policies.

Home department: Economics

144 (12) Economics (3L, 1T)

The module introduces students to economic application and policy, with a strong focus on South Africa, by exploring contemporary economic issues: inflation, unemployment, economic growth, external stability and a fair distribution of income.

The aggregate economy in the short-run and long-run: measuring the aggregate economy, the multiplier model, unemployment and fiscal policy, inflation and monetary policy, the money market and the South African Reserve Bank (SARB), technological change and income inequality.

Globalisation: international trade, migration and investment.

Corequisite module: Economics 114

Home department: Economics

214 (16) Economics (3L, 1T)

Macroeconomics: business cycle measurement, consumer and firm behaviour, closed one-period macroeconomic models, consumption and savings decisions in a two-period model

Microeconomics: goods and factor markets, demand theory, production and cost theory, market structures and the theory of the firm, welfare theory.

Prerequisite pass modules: Economics 114, 144

Home department: Economics

244 (16) Economics (3L, 1T)

South African monetary policy.

International trade and finance: the theory of international trade, barriers to free trade, the World Trade Organisation and regional economic integration, the balance of payments, international financial markets, adjustment mechanisms, policy options, exchange rate determination, the international monetary system and South African exchange rate policy.

Prerequisite pass modules: Economics 114, 144

Corequisite module: Economics 214

Home department: Economics

281 (32) Development Economics (3L, 1T)

This module consists of two parts:

Economic development in historical perspective: The economic problem, the emergence of market society, the Industrial Revolution, the Great Depression, modern capitalism, the rise and fall of socialism, globalisation, African underdevelopment and South African economic development.

Economic development and policy: Comparative economic development, theories of economic development, poverty and inequality, population growth, urbanisation and migration, rural development, education, health, the environment, economic policy and the role of the market, state and civil society.

Prerequisite pass modules: Economics 114, 144 or 288

Home department: Economics

288 (32) Economics (Arts and Social Sciences) (3L, 1T)

The functioning of a mixed economic system and the market mechanism, as well as economic application and policy, with a strong focus on South Africa.

Problems economists address: inequality, poverty, economic growth, sustainability, scarcity, choice.

Economic decision-making: incentives, relative prices, economic rent, labour, production, opportunity cost.

Economic relationships and interactions: game theory, equity, efficiency.

Markets: demand and supply, price-taking and competitive markets, elasticity, labour market.

Market dynamics: rent-seeking, market failure, externalities, and government policies.

The aggregate economy in the short-run and long-run: measuring the aggregate economy, unemployment and fiscal policy, inflation and monetary policy, the money market and the South African Reserve Bank (SARB).

Globalisation: international trade, migration and investment.

Home department: Economics

318 (24) Economics (4L, 1T)

Introduction to econometrics: statistical concepts, the classical linear model of regression, multicollinearity, autocorrelation, heteroscedasticity, dummy variables, estimation of regression models.

Macroeconomics: mathematical techniques, economic growth, business cycle, monetary and fiscal policy.

Introduction to game theory: mathematical techniques, different types of games, equilibrium concepts.

Prerequisite pass module: Economics 214

Prerequisite module: Economics 244

Home department: Economics

348 (24) Economics (4L, 1T)

This module focuses on the economic policy debate in a developing country. This includes economic policy criteria, structural characteristics of the South African economy, economic thought and systems, and growth and development policies, which include demand and supply aspects of economic growth, sectoral and spatial development, distribution of income and social expenditure, competition policy, environmental economics, labour policy, education and investment in human capital and the macroeconomic policy debate.

Prerequisite pass module: Economics 214

Prerequisite module: Economics 244

Corequisite module: Economics 318

Home department: Economics

381 (24) Institutional, Public and Environmental Economics (2L, 2T)

The module consists of three parts: institutional economics, public economics and environmental economics.

Institutional economics: the role of formal and informal institutions, and their enforcement. The role of transaction costs and the protection of property rights.

Public economics: the benchmark model of a market economy, market failure, public choice, government failure, taxation, intergovernmental fiscal relations.

Environmental economics: economic explanations for environmental degradation, policy measures, application to a specific environmental issue.

Prerequisite modules: Economics 214, 244 or 281

Home department: Economics

388 (24) Economics (2L, 2T)

Introduction to data science for economists: data scientific techniques applied to data in economics or finance. Topics include: programming, visualisation and elementary machine learning methods.

Labour economics and labour econometrics: labour market, demand and supply, demographic tendencies, trade unions, the South African labour market.

Prerequisite pass module: Economics 214

Prerequisite module: Economics 244

Corequisite module: Economics 318

Home department: Economics

10595 Macroeconomics**441 (12) Macroeconomics (2L, 2T)**

This module covers the principal approaches used in modern macroeconomics to investigate the long-term growth performance (part 1) and business cycles (part 2) of market economies. While topics are similar to those studied in preceding modules, this advanced module is distinct in that all results are derived using fully formal methods that form the core of modern theoretical and empirical macroeconomic research. The module provides the necessary skills that students need to access the modern macroeconomic literature and prepares them for master's level studies.

Prerequisite pass modules: Economics 318, 388

Home department: Economics

10605 Microeconomics

441 (12) Microeconomics (2L, 2T)

This module introduces the standard framework for the analysis of decision-making by individual economic agents and their interaction in market and strategic environments. Topics include game theory, decision-making under uncertainty, consumer theory, producer theory and markets. The emphasis in this module is on a formal understanding of foundational concepts and more advanced mathematical formulations of standard models and results that form the basis of modern economics research in many fields.

Prerequisite pass modules: Economics 318, 388

Home department: Economics

Department of Department of English (Faculty of Arts and Social Sciences)

Note: For more information regarding the modules offered by the Faculty of Arts and Social Sciences, see the Calendar part for the Faculty of Arts and Social Sciences.

53880 English Studies

178 (24) Literature and Language in Context (1L, 2S)

The module is designed to develop the student's ability to analyse a wide variety of texts and to communicate effectively in written and spoken English. The focus is on cultural and literary studies and on the development of an appropriate academic discourse. A description of the components listed below and the list of texts are provided in the Course Prospectus.

All students take the following lecture components:

- Text and Context
- Film Studies
- Prose
- Drama

Notes:

- Full details Full details about the module are in the course prospectus on the Department's website at: <http://www0.sun.ac.za/english/students/undergraduate/eng-178/>

Geography and Environmental Studies (Faculty of Arts and Social Sciences)

Note: For more information regarding the modules offered by the Faculty of Arts and Social Sciences, see the Calendar part for the Faculty of Arts and Social Sciences.

64165 Geo-Environmental Science

Please note: Geo-Environmental Science 124 and 154 are corequisite modules for Geography and Environmental Studies 2 and 3.

124 (16) Introduction to Human-Environmental Systems (3L, 3P)

Nature of human geography; demography of world population; food resources; urbanisation: models of urban structure, functional areas in cities, cities in developing countries; politico-geographical organisation: nations and states in conflict, regions in the news; environmental systems on a global scale: fluvial, arid, karst, coastal and glacial environments; ecosystems and humans; utilisation of environmental resources: global occurrence, use and depletion of non-renewable energy, water and soil resources; practical mapping and graphics.

Home department: Geography and Environmental Studies

154 (16) Introduction to Earth Systems Science (3L, 3P)

Introduction to earth systems science; internal earth processes; mineral- and rock-forming processes; origin of magma and igneous rocks; external structure of the earth; formation of continents; plate tectonics; sedimentary rocks and the geological record; geological time scale; metamorphic rocks and mountain building; geology of South Africa; energy and mineral resources; humans and tectonics: earthquakes and volcanoes; the hydrosphere; surface-water processes; groundwater processes; theory of the origin and evolution of life.

Home department: Geography and Environmental Studies

Department of Industrial Psychology**14221 Human Capital Metrics****344 (12) Human Capital Metrics (3L)**

This module develops the data-driven, evidence-based decision-making skills of students to prepare them for measuring human capital as one of the six capitals of business. Human capital analytics and metrics is one of the emerging fields of competence for all board members and managers required to manage people and to report on human capital in integrated reports. Human capital metrics can show connections, correlations and causality between human capital analytics and demonstrate the tangible link between people strategy and organisational performance.

Home department: Industrial Psychology

10553 Industrial Psychology**114 (12) Industrial Psychology (3L, 1P)**

The nature of Industrial Psychology and its historical development in South Africa; the determinants of work performance and well-being; the different components of and directions within Industrial Psychology; the different roles of Industrial Psychologists; and the nature and role of research within the subject. The nature of organisational health and well-being, with reference to its determinants, its management and its enhancement, and the development of positive organisational behaviour. The role of work stress and coping with it; the management of performance dysfunctions; and the management of HIV/AIDS in the workplace.

Home department: Industrial Psychology

144 (12) Human Resource Management (3L, 1P)

The field and context of personnel/human resource management, organisational positioning of the human resource management department, strategic human resource management, human resource planning, job analysis, recruiting, selection, induction, training and development, performance appraisal, basic remuneration, job evaluation, incentive payment, indirect compensation, labour turnover, absenteeism, human resource management information systems, safety and health, human resource accounting, flexitime, quality of work life, social responsibility, issues in and challenges to human resource management, human resource management audit, the role of human resource management in die economic and labour situation in South Africa – present and future.

Home department: Industrial Psychology

214 (16) Psychometrics (3L, 1P)

Introduction to psychometrics, introduction to and overview of the scientific research process, implications of Industrial Psychology's commitment to the scientific method. Measurement, measurement procedures and measuring instruments, psychological tests, types of psychological tests, psychological tests and decision-making. Basic concepts in measurement and statistical analysis, psychological measurement, evaluation of psychological measuring instruments, statistical concepts. Scales of measurement, transformations and norms, expectancy tables. Reliability of psychological measures, sources of consistency and inconsistency in measures, general model of reliability, reliability estimation, reliability coefficients and the standard error of measurement, the generalisability of test scores. The use and interpretation of information on the reliability of measurements, the use of the reliability coefficient, factors that affect the reliability coefficient, special issues in measurement reliability. The validity of measurements – content and construct validity, types of validity, determining the validity of measurements, content validity, construct validity. The validity of measurements – criterion-related validity, decision-making and prediction, criteria, criterion-related validity, interpretation of validity coefficients. Issues in the assessment of ability, bias and fairness in psychological assessment, culture-free measuring instruments, the nature-nurture debate on IQ. Psychological assessment in industry –

predictor issues, extent and impact of psychological assessment in industry, different types of predictors, comparative evaluation of different types of predictors, a social and legal perspective on psychological assessment. Psychological assessment in industry – criterion problems, objective and subjective performance measures, selection utility.

Home department: Industrial Psychology

224 (16) Consumer Behaviour (3L, 1P)

Introduction to consumer behaviour: diversity of consumer behaviour, consumer research, market segmentation. The consumer as an individual: consumer needs and motivation, personality, perception, learning and consumer involvement, attitudes and communication. The consumer in their social and cultural setting: group dynamics and family, social class, culture, sub-culture and cross-culture; Consumer decision-making process: consumer influence and the diffusion of innovations, consumer decision-making.

Exposure to the application of theory in practice will take place through the studying of advertising.

Home department: Industrial Psychology

252 (8) Occupational Psychology (1.5L, 0.5P)

Domain demarcation, core concepts and fundamentals of Occupational Psychology, individual differences, developmental psychology. Career models, career development, career choice, entry into the world of work, early, mid and late career years, stress, diversity management, entrepreneurial careers, management and support systems.

Home department: Industrial Psychology

262 (8) Ergonomics (1.5L, 0.5P)

Nature and history of Ergonomics, Context of Ergonomics (general and environment effects, legislation, management and productivity, built environment), perception and sensation (senses, observation, conscious and unconscious, memory and attention), work environment (space and shape, lighting, noise and vibration, temperature, atmospheric and chemical, processing information and design guidelines), input (displays), output (activities and rest), controls and tools, systems malfunction (errors, safety and health), introduction to Information Ergonomics (mental maps and usability), summary.

Home department: Industrial Psychology

314 (12) Labour Relations (2L, 1P)

Introduction and overview of field of study, historical development of labour relations, environmental influences of labour relations, trade unions, employers, state, labour relations in the workplace (grievances, discipline, and dismissal). Introduction to labour legislation: Labour Relations Act, Basic Conditions of Employment Act.

Corequisite module: Industrial Psychology 144

Home department: Industrial Psychology

324 (12) Human Resource Development (2L, 1P)

Introduction to training, education, and development: an overview of the macro-factors that affect training and development in South Africa, the national training strategy of South Africa. Aspects of managing training in an enterprise: the place and role of the training function in the organisation, training models. The administration of training: training records and information systems, training costs and budgets. The theoretical aspects of learning: basic learning principles, adult learning, learning styles. Determining training needs: training needs assessment, models for determining training needs. Programme design: formulating training objectives, factors that affect course development, competency-based training. The evaluation of training.

Corequisite module: Industrial Psychology 144

Home department: Industrial Psychology

348 (24) Organisational Psychology (4L, 1P)

Individual behaviour: perceptions, personality, attitudes, values, cultural diversity, work motivation, behaviour modification, job design; group and intergroup behaviour; leadership, power and politics, managerial development, decision-making, communication, organisational theory structure and design, organisational culture, organisational change and development.

Home department: Industrial Psychology

Special modules presented by the Department of Industrial Psychology

36846 Industrial Psychology (Occupational Therapy)

132 (6) Industrial Psychology (Occupational Therapy) (2L)

The human being as employee; human resource planning; recruitment; selection; placement and induction; communication; motivation; leadership in organisations; overview of labour relations. The module is designed for students in Occupational Therapy and these perspectives will be highlighted throughout.

Home department: Industrial Psychology

44776 Industrial Psychology (Special)

244 (12) Industrial Psychology (Special) (3L)

Lectures are attended by BCom (Management Accounting) students.

Human resource management: human resource planning, recruitment, selection, induction, training and development, performance appraisal, compensation management, labour turnover, absenteeism, health and safety.

Labour relations: field of study, organised labour, role of employers; labour legislation.

Organisational behaviour: introduction and orientation, organisational design, the individual, groups and teamwork, motivation, leadership, organisational effectiveness.

Home department: Industrial Psychology

354 (12) Industrial Psychology (Special) (3L)

Human resource management: human resource planning, recruitment, selection, induction, training and development, performance appraisal, compensation management, labour turnover, absenteeism, health and safety.

Labour relations: field of study, organised labour, role of employers; labour legislation.

Organisational behaviour: introduction and orientation, organisational design, the individual, groups and teamwork, motivation, leadership, organisational effectiveness.

Home department: Industrial Psychology

13351 Introduction to Intercultural Communication

312 (12) Introduction to Intercultural Communication (4L)

Fundamentals of linguistic communication, including the general nature of language and communication, and the functions and use of language in various types of discourse; fundamentals of intercultural (linguistic) communication, including the linguistically relevant components and functions of culture, and potential barriers to intercultural communication; pragmatic and sociolinguistic aspects of intercultural communication; general and culture-specific patterns in the use of language across cultures, and the management of culture-specific features of discourse in intercultural communication; mechanics of intercultural communication, including the characteristics of/conditions for successful communication, the characteristics and causes of failure of intercultural communication in various kinds of linguistic interaction, and strategies for avoiding and repairing failure of intercultural communication.

Home department: Industrial Psychology

344 (12) Introduction to Intercultural Communication (4L)

Fundamentals of linguistic communication, including the general nature of language and communication, and the functions and use of language in various types of discourse; fundamentals of intercultural (linguistic) communication, including the linguistically relevant components and functions of culture, and potential barriers to intercultural communication; pragmatic and sociolinguistic aspects of intercultural communication; general and culture-specific patterns in the use of language across cultures, and the management of culture-specific features of discourse in intercultural communication; mechanics of intercultural communication, including the characteristics of/conditions for successful communication, the characteristics and causes of failure of intercultural communication in various kinds of linguistic interaction, and strategies for avoiding and repairing failure of intercultural communication.

Home department Industrial Psychology

Department of Information Science (Faculty of Arts and Social Sciences)

The content and module codes of the subject Information Systems Management (ISM) are the same as for the subject Socio-Informatics. Additional information is available at www.suinformatics.com. The subject presently falls in the category of scarce skills as defined by the Government.

Note: For more information regarding the modules offered by the Faculty of Arts and Social Sciences, see the Calendar part for the Faculty of Arts and Social Sciences.

11852 Information Systems Management

212 (8) Information Systems Introduction (2L)

This module looks at the principles and methods of Information Systems development. The module commences with a broad overview of the key principles of information systems, before focusing on a collection of prominent developmental approaches.

Home department: Information Science

224 (16) Introduction to Computer Programming (2L, 2P)

Principles of computer programming. Skills development in object-oriented program languages.

Home department: Information Science

254 (16) Internet Technology and Design (2L, 1P)

The internet and the world wide web. Architecture of hypertext systems. The design of web sites and portals.

Home department: Information Science

262 (8) Electronic Business and Government (2L)

The management of private and public organisations in contexts rich in information and knowledge technology.

Home department: Information Science

314 (18) Database Systems (3L, 2P)

Database concepts, models, design and management

Prerequisite module: Information Systems Management 224

Home department: Information Science

334 (18) Architecture of Information Systems and Enterprises (2L, 3P)

Theory of software and hardware systems and their analysis and design. Cybernetics. Introduction to modelling and modelling languages such as UML.

Home department: Information Science

354 (18) Information Systems (2L, 3P)

Advanced software applications, such as simulation and modelling. Integration of preceding modules through the design and presentation of an elementary, experimental system.

Prerequisite modules: Information Systems Management 254, 314 and 334

Home department: Information Science

364 (18) Knowledge Dynamics and Knowledge Management (3L, 1P)

Knowledge technology, knowledge-based systems, artificial intelligence and knowledge dynamics in complex organisations.

Home department: Information Science

Department of Logistics

10906 Advanced Linear Programming

441 (16) Advanced Linear Programming (2L)

Advanced linear programming (LP) solution techniques are studied in this module. These techniques include the product form of the inverse, primal-dual algorithms, primal and dual upper bounded algorithms, column generation methods, decomposition and interior point methods

Prerequisite pass modules: Operations Research 244

Home department: Logistics

14023 Business Analytics

214 (16) Business Analytics (3L, 2T)

Introduction to optimisation and modelling: Modelling with linear programming, graphical methods, spreadsheet solutions, sensitivity, goal programming and applications using spreadsheets.

Decision modelling: Basic concepts, multi-criterion decision analysis, decision trees, utility theory, analytical hierarchy process. Case studies and spreadsheet applications.

Prerequisite pass modules:

- Probability Theory and Statistics 114 or 144 or
- Statistics and Data Science 188

Home department: Logistics

244 (16) Business Analytics (3L, 2T)

Social network analytics. Introduction to R types of social networks (friend, user-generated content, affiliation), graph visualisation (nodes, edges, paths, centrality, cliques), network relationships (ties, social capital, structural holes, structural balance, equivalence, homophily, clustering, small world), network evolution (random graphs, preferential attachment, reciprocity), marketing research (network data collection, sampling, hypothesis testing).

Prerequisite pass modules:

- Probability Theory and Statistics 114 or 144, or
- Statistics and Data Science 188

Home department: Logistics

318 (24) Business Analytics (3L, 2T)

Basic web page scripting, measures and analysis of web page usage, web page usage pattern variation for improvement, introduction to and technologies required for large-data-set analytics, analysis of extracted data with SQL, NoSQL and a selection of machine-learning methods, considerations in data warehousing and data stream processing and analytics.

Prerequisite pass modules:

- Probability Theory and Statistics 114 or 144, or
- Statistics and Data Science 188

Home department: Logistics

348 (24) Business Analytics (3L, 3P)

Data and information visualisation: identifying data types; metadata descriptions; applying appropriate charts, graphs or mapping techniques.

Quality control, performance measurement and performance management: control cards, dashboards, balanced scorecards, Six Sigma.

Business report writing: Using applicable software.

(Only final-year students may enrol for this module.)

Prerequisite pass modules:

- Probability Theory and Statistics 114 or 144, or
- Statistics and Data Science 188

Home department: Logistics

48062 Information Systems

112 (6) Information Systems in a Business Environment (1L, 1P)

Practical ability to use information systems technology in a business environment. Understanding and ability to use institutional applications, word processors, presentation software, spreadsheets and macros.

Note:

Information Systems 144 and Information Systems 112 may not be presented together for degree purposes.

Home department: Logistics

13350 Introduction to Transport and Logistics Systems

144 (12) Introduction to Transport and Logistics Systems (3L, 1P)

Introduction to the unique purpose of the transport system; the components of the system; the economic significance of the transport system; the organisation and regulation of transport; concepts of demand and supply; and transport from a management perspective.

The scope of product supply chains; aspects of utility and value creation; aspects of materials management, including resource and inventory acquisition; aspects of production and operations management; aspects of physical distribution management; conforming to customer requirements with respect to product supply and delivery.

Home department: Logistics

14219 Logistics and Supply Chain Management

214 (16) Logistics and Supply Chain Management (3L, 1P)

Introduction to Logistics and Supply Chain Management: Supply chain overview, the role of logistics in the firm, the elements of logistics, integrated logistics management, organisation for effective logistics, international logistics, new trends.

Demand Management: Balancing supply and demand, demand forecasting, sales and operations planning, collaborative planning, forecasting and replenishment.

Order Management and Customer Service: Order management, customer service and relationship management.

Supply chain technology and information flows: Role of information and data in the supply chain, the implementation and use of software and technology in the supply chain.

Logistics Research: literature review, how to find and read academic sources.

Prerequisite module: Business Management 113

Home department: Logistics

244 (16) Logistics and Supply Chain Management (3L, 1P)

Supply Management / Procurement: Impact on the firm's bottom line, progression from tactical to strategic role, cross-functional impact and process; procurement cycle, public sector procurement.

Portfolio of relationships: Tactical, collaborative, strategic alliance, logistics relationships, 3PL industry overview.

Sourcing materials and services: Managing procurement, strategic sourcing, global sourcing, outsourcing, total cost of ownership (TCO), negotiation.

Producing goods and services: Role of production operations in the supply chain, operations strategy and planning, decisions in production, production technology, packaging in the supply chain.

Inventory in the supply chain: Role of inventory in the economy and organisations, inventory costs, inventory management approaches, inventory classification.

Logistics research: Identifying and defining the logistics research problem.

Prerequisite pass modules:

- Business Management 113
- Logistics and Supply Chain Management 214

Home department: Logistics

314 (12) Logistics and Supply Chain Management (2L)

Transport: Role of transportation; challenges faced in transportation; modes of transportation; transportation planning and strategy; execution and control; transportation technology; vehicle costing and fleet management.

Distribution: Role of distribution; distribution planning and strategy; distribution execution; distribution technology.

Supply chain sustainability: logistics and the environment, supply chain sustainability framework.

Reverse logistics: reverse logistics systems, reverse flows, closed loop supply chains, customer returns, environmental challenges and technology application to improve reverse flows.

Prerequisite pass modules:

- Logistics and Supply Chain Management 214, 244
- Statistics and Data Science 188 or
- Probability Theory and Statistics 114 or 144 (no third-year modules in Logistics and Supply Chain Management may be taken in combination with Financial Accounting 389.)

Prerequisite modules: Economics 114, 144

Home department: Logistics

324 (12) Logistics and Supply Chain Management (2L)

Supply chain network analysis and design: Network design as a part of supply chain planning; logistics/supply chain network design; modelling approaches.

Logistics performance measurement and financial analysis: Performance measurement; logistics/supply chain performance metrics; benchmarking the supply chain; impact of logistics on financial performance.

Supply chain strategy: strategic supply chain resource requirements, supply chain strategy implementation, change management, stakeholder management, integrated metrics.

Supply chain risk: managing risk in supply chains and business continuity planning.

Prerequisite pass modules:

- Logistics and Supply Chain Management 214, 244
- Statistics and Data Science 188 or
- Probability Theory and Statistics 114 or 144 (no third-year Logistics and Supply Chain Management modules may be taken in combination with Financial Accounting 389.)

Prerequisite modules: Economics 114, 144

Home department: Logistics

344 (12) Logistics and Supply Chain Management (2L, 1P)

Logistics analysis: For both functional excellence and integrative excellence, a variety of analytical techniques and enabling technology can be employed to support decisions on the short, medium and longer timeframes. Analytical techniques (descriptive and normative) and enabling technology (transactional vs. analytical information technology) form an integral part of the support decision-makers require.

Logistics research: getting data (qualitative and quantitative), data preparation, formulation of hypotheses and basic statistical tests, with applications in the fields of logistics and supply chain management.

Prerequisite modules: Logistics and Supply Chain Management 314, 324 (no third-year Logistics and Supply Chain Management modules may be taken in combination with Financial Accounting 389.)

Home department: Logistics

354 (12) Logistics and Supply Chain Management (2L)

Logistics research: research design; exploratory research design for secondary data and qualitative research; surveys and observations as part of descriptive research; measurement of perceptions; questionnaire design; sampling; fieldwork.

Prerequisite modules: Logistics and Supply Chain Management 314, 324 (no third-year modules in Logistics and Supply Chain Management may be taken in combination with Financial Accounting 389.)

Home department: Logistics

12318 Metaheuristics

441 (16) Metaheuristics (2L)

Practical operations research problems are often computationally too complex to solve via classical solution methods. This module explores methods that can determine good and not necessarily the best solutions in these circumstances. This module has a practical problem-solving approach. The theory and solution techniques (tabu search, evolutionary metaheuristics, simulated annealing, ant colony algorithms and hybrid methods) are discovered, handled and applied from the perspective of different problem formulations.

Students who follow this module must be able to programme in Python.

Home department: Logistics

11907 Methods of Operations Research

441 (15) Methods of Operations Research (2L)

This project-driven module is offered in collaboration with a number of partners in industry, in order to give students practical experience in operations research modelling. The module is offered in the form of project-driven cycles, in which site visits to industry, mathematical modelling and an oral presentation of the model and findings, as well as written reporting of results play an important role.

Prerequisite pass modules: Operations Research 314, 322, 352, 344

Home department: Logistics

55336 Operations Research

214 (16) Network Optimisation (3L, 3P)

Introduction to network modelling. Heuristics vs. exact methods, connectedness of directed and undirected networks, shortest paths (algorithms of Dijkstra and Floyd), longest paths (project scheduling), shortest spanning trees (algorithms of Kruskal and Prim), location problems (generalised centres and medians), maximum flow problems. Applications using suitable software.

Prerequisite modules: Mathematics 114, 144

Home department: Logistics

244 (16) Linear Programming (3L, 3P)

Modelling by means of linear programming. Geometry of LP, properties of solutions, fundamental theorem of LP, simplex algorithm, big M and two-phase methods, sensitivity analysis, duality and complementary slackness, matrix games. Zero-sum games. Special cases of the simplex algorithm (transport, transshipment, assignment and minimum cost flow). Applications using suitable software.

Prerequisite modules: Mathematics 114

Prerequisite pass modules: Mathematics 144

Home department: Logistics

314 (16) Combinatorial Optimisation (3L, 3P)

Binary and integer programming (branch-and-bound methods and cutting plane methods), heuristics (n-Opt procedures). Applications with respect to assignment problems, colouring problems, covering problems and domination problems, Hamiltonian graphs (the travelling salesperson problem). Knapsack problems. Deterministic dynamic programming. Applications using suitable software.

Prerequisite modules: Operations Research 244

Home department: Logistics

322 (16) Stochastic Methods of Operations Research (3L, 3P)

Queuing theory (modelling of arrival and service processes, birth-death processes, single and multiple server queues, finite population, constant service time, open queue networks, priorities, chi-squared test), Markov analysis, simulation (random numbers, continuous random variables, Monte Carlo simulation, discrete random event simulation, analysis of output). Stochastic dynamic programming. Applications using suitable software.

Prerequisite pass modules: Probability Theory and Statistics 114 or 144

Home department: Logistics

344 (16) Optimisation (3L, 3P)

Introduction to optimisation and functions in R^n , unconstrained optimisation (search methods and gradient methods), constrained optimisation (Lagrange multipliers, quadratic programming, separable optimisation). Goal Programming. Applications by means of suitable software.

Prerequisite module: Operations Research 244

Home department: Logistics

352 (16) Decision Modelling (3L, 3P)

Decision analysis cycle, problem structuring, decision criteria, decision trees, influence diagrams, multi-criteria decision analysis, utility theory, multi-attribute utility theory, analytical network process, fuzzy modelling and optimisation, decision-making software, decision support systems.

Prerequisite pass modules: Mathematics 114, 144

Home department: Logistics

51993 Project Management**314 (24) Project Management (3L)**

Project management principles and methodologies. Alignment between corporate strategies and projects. Scheduling of projects and tasks, resource allocation, communication and cost management. Management of risk and stakeholders and monitoring of projects and teams. Understanding change management and measuring and evaluating progress on activities on time and cost basis.

(Only final-year students may enrol for this module.)

Home department: Logistics

14372 Systems Dynamics**441 (15) Systems Dynamics (2L)**

System dynamics is a simulation technique with which the nonlinear behaviour of complex systems can be analysed by using stocks, flows and internal feedback loops. In this module students will be introduced to systems thinking and systems modelling. There will also be focussed on the modelling of change, positive and negative feedback, S-shaped growth and oscillation, delays and smoothing, model calibration as well as the important component of validation and verification.

Prerequisite pass modules: Operations Research 314, 322, 352, 344

Home department: Logistics

21008 Transport Economics**214 (16) Introduction to Transport Economics (3L)**

Role and functions of transport. Transportation, logistics and technology. The demand for transportation. Laws of variable proportions and scale. Cost economies and traceability. Modal supply characteristics. Transportation, investment and generalised cost. Location and land settlement. Transport and government policy.

Prerequisite modules: Economics 114, 144

Home department: Logistics

244 (16) Transport and Land Economics (3L)

Introduction to urban transport and land economics: Economic characteristics of the provision of urban transport and characteristics of passenger transport demand. Urban transportation and land use. Land rent and location decisions. Urban transport planning, urban transport systems and cost structure of urban transport modes. Transport pricing and subsidies. Transport policy instruments.

Prerequisite module:

- Economics 114, 144
- Transport Economics 214

Home department: Logistics

318 (24) Transport Planning and Evaluation (4L)

This module is an applied subject and its aim is to introduce students to land and transport systems analysis and modelling. This includes land and transport demand analysis and forecasting of passenger and goods transport demand using the four-step transport model. Students are introduced to economic evaluation techniques of land and transport infrastructure projects. The relationship between transport and economic development is discussed. The spatial relationship between transport and land values is presented.

Prerequisite pass modules:

- Economics 114, 144
- Transport Economics 214, 244

Home department: Logistics

348 (24) Transport Modal Economics and Management (4L)

This module comprehensively discusses the operational environment for shipping, air and rail. Modal cost and market structures for shipping, air and rail transport are thoroughly studied. Supply, demand and rates for shipping, air, and rail transport are discussed. Particular attention is paid to the demand for these transport modes and the factors that determine demand. Government interest in and the regulation of transport infrastructure and operations for the various modes are presented. The importance of shipping, air and rail transport for international trade and economic growth is discussed in the last section of the module.

Prerequisite pass modules:

- Economics 114, 144
- Transport Economics 244

Home department: Logistics

Department of Mathematical Sciences (Mathematics, Applied Mathematics, Computer Science) (Faculty of Science)

Note: For more information regarding the modules offered by the Faculty of Science, see the Calendar part for the Faculty of Science.

20710 Applied Mathematics**114 (16) Probability Theory and Statistics (3L, 3T)**

Combinatorial analysis; the basic counting principles; permutations and combinations. Random phenomena; sample spaces and events; the probability axioms; the probability of an event; random selection; probability rules; conditional probability; the rule of Bayes; stochastic independence. Discrete and continuous stochastic variables; expected value and variance of a stochastic variable; important discrete distributions: binomial, Poisson, geometric, hypergeometric, negative binomial; important continuous distributions, uniform, normal

Home department: Mathematical Sciences, Division Applied Mathematics

144 (16) Modelling in Mechanics (3L, 3T)

Development of the skilled use of vector, differential and integral calculus in the modelling of dynamics of simple physical systems, including the analysis of force fields, motion and modelling assumptions.

Prerequisite module: Mathematics 114

Corequisite module: Mathematics 144

Home department: Mathematical Sciences, Division Applied Mathematics

18139 Computer Science

113 (16) Computer Science for Actuarial Studies (3L, 3P)

Introduction to computer programming from a financial perspective. Basic financial problems are rephrased in terms of analytical problem solving. Standard imperative programming constructs including types of variables, assignments, if-then-else and loops, and recursive approaches are covered as needed in financial programming. Static data structures (in particular arrays) and declarative programming models such as spreadsheets are also covered.

Corequisite modules:

- Actuarial Science 112
- Mathematics 114

Home Department: Mathematical Sciences, Division Computer Science

114 (16) Introductory Computer Science (3L, 3P)

Introduction to basic computer programming; formulation and solution of problems by means of computer programming; data representation and variable types (including character strings, integers, floating point numbers and Boolean variables); assignment statements; conditional execution and iteration; static data structures (arrays and records); input and output (including graphics and sound); modular programming; recursion; testing and debugging; introduction to object-oriented programming (including abstraction, encapsulation and use of existing object implementations).

Corequisite module: Mathematics 114

Home department: Computer Science

144 (16) Introductory Computer Science (3L, 3P)

Further formulation and solution of problems by means of computer programming; introductory data structures and algorithms in an object-oriented set-up; key concepts in object orientation: inheritance and polymorphism; design patterns as abstractions for the creation of reusable object-oriented designs; searching and sorting algorithms; complexity theory for the analysis of algorithms; fundamental methods in the design of algorithms; dynamic data structures; regular expressions and finite automata.

Prerequisite module: Computer Science 113 or 114

Home department: Computer Science

214 (16) Data Structures and Algorithms (3L, 3T)

The classical data structures and algorithms in an object-oriented set-up. Advanced techniques for the analysis of algorithms.

Prerequisite pass module: Computer Science 144

Prerequisite modules: Mathematics 114

Home department: Computer Science

244 (16) Computer Architecture (3L, 3P)

Basic computer architecture. Programming in machine language and assembly language. Assemblers, binders and loaders. Basic concepts of operating systems; memory management, process management and files systems.

Prerequisite modules: Computer Science 214

Home department: Computer Science

313 (16) Computer Networks (3L, 3P)

Introduction to networks in general and the internet in particular. Architecture and protocols. Allocation of resources and congestion control. Network security. Applications.

Prerequisite modules: Computer Science 214, 244

Home department: Computer Science

314 (16) Concurrency (3L, 3P)

Introduction to programming techniques and principles of concurrent systems, from operating systems to application programs. This includes communication, synchronisation, scheduling and load balancing. Several parallel and distributed architectures will be covered.

Prerequisite modules: Computer Science 214, 244

Prerequisite modules for programmes in Engineering:

- Computer Science E 214
- Computer Systems 245

Home department: Computer Science

315 (16) Machine Learning (3L, 3T)

Dimension reduction techniques; machine-learning techniques based on maximum-likelihood, maximum-posterior and expectation-maximisation estimates; modelling using logistic regression, Gaussian mixtures and hidden Markov models.

Prerequisite modules:

- Computer Science 144 or Computer Science E214
- Mathematical Statistics 245 and 246 or Systems and Signals 344
- Mathematics 214 or Applied Mathematics 214 or Engineering Mathematics 214

Home department: Computer Science

343 (16) Databases and Web Centric Programming (3L, 3P)

Introduction to relational databases. Mapping relational model onto object model. Implementing a database application in the context of the web. Web services. Server-side scalability. Virtualization. Cloud Computing.

Prerequisite modules: Computer Science 214

Prerequisite modules for programmes in Engineering:

- Computer Science E 214
- Computer Systems 245

Home department: Computer Science

344 (16) Program Design (3L, 3P)

Program specifications as guidelines for program design; reusable frameworks for program design; testability of program designs; development of a medium-sized system to illustrate the practical application of the principles of program design.

Prerequisite modules: Computer Science 214

Home department: Computer Science

56847 Financial Mathematics**378 (32) Financial Mathematics (3L, 3T)**

Matrix algebra and matrix differentiation. Taylor's theorem for functions of more than one variable, differential equations and numerical methods, Riemann-Stieltjes integrals, introduction to measure and probability spaces, Radon-Nikodym derivatives, L2 spaces and Hilbert spaces, mathematical modelling of financial markets, the Black-Scholes model.

Prerequisite pass modules: Mathematics 214, 244

Prerequisite modules: Mathematical Statistics 214, 245, 246

Home department: Mathematics

21539 Mathematics**114 (16) Calculus (5L, 2T)**

Any student who wishes to take this module must have achieved a mark of at least 6 (or 70%) for Mathematics in the NSC or the IEB's school-leaving certificate.

Induction and the binomial theorem. Functions, limits and continuity; derivatives and rules of differentiation; applications of differentiation; the definite and indefinite integral; integration of elementary functions.

Home department: Mathematics

144 (16) Calculus and Linear Algebra (5L, 2T)

Complex numbers; transcendental functions; techniques of integration; improper integrals; conic sections; polar co-ordinates; partial derivatives; introduction to matrices and determinants.

Prerequisite module: Mathematics 114

Home department: Mathematics

214 (16) Advanced Calculus and Linear Algebra (4L, 2T)

Advanced Calculus: Functions of more than one real variable, multiple integrals, line integrals, surface integrals, the divergence theorem.

Linear algebra: Vectors in n dimensions: linear transformations of real vector spaces and their matrices; geometric transformations: rotation, reflection, dilation, projection; composition of transformations. General real vector spaces: subspaces, linear independence, basis, dimension; rank and nullity of a matrix. General inner-product matrices; orthogonality, orthonormal bases, projections, the Gram-Schmidt process; QR factorisation of a matrix; least squares approximations; orthogonal matrices.

Prerequisite pass modules: Mathematics 114, 144

Home department: Mathematics

244 (16) Analysis and Linear Algebra (4L, 2T)

Analysis: Improper integrals, sequences and series, power series and Taylor's theorem, second-order linear differential equations.

Linear algebra: Eigenvalues and eigenvectors, diagonalisation of a real matrix; orthogonal diagonalisation; linear transformations of general real vector spaces; matrix representation of linear transformations between general finite dimensional vector spaces; change of basis; systems of first-order differential equations and other applications.

Prerequisite module: Mathematics 214

Home department: Mathematics

314 (16) Algebra (3L, 3T)

This module is an introduction to the basic axiomatic structures of algebra. These structures provide the natural surroundings for the discussion of many of the most important results in number theory, algebraic geometry and computational algebra. Among others, the following are studied: groups, rings, residue classes modulo n , quotient rings and fields, rings of polynomials, Euclidean domains, unique factorisation domains, extensions of fields, applications to straight-edge and compass constructions, finite fields and their applications.

Prerequisite pass modules: Mathematics 214, 244

Home department: Mathematics

324 (16) Complex Analysis (3L, 3T)

Types of sets in \mathbf{C} , convergence of series, point wise and uniform convergence of sequences and series of functions, paths, Cauchy-Riemann equations, determination of the radius of convergence and coefficients of a power series, the complex exponential and trigonometric functions, arguments, complex logarithms and exponentiation, integration of continuous functions along piecewise smooth paths, Cauchy's theorem and formula, Taylor series expansion of differentiable functions, analytic functions, zeros, Liouville's theorem, proof of the Fundamental Theorem of Algebra, Laurent series, identification and classification of isolated singularities, calculation of residues, the Residue theorem, applications.

Prerequisite pass modules: Mathematics 214, 244

Home department: Mathematics

325 (16) Topology (3L, 3T)

Out of the three tutorial periods, one is a scheduled tutorial, and two are for independent work on assignments.

This module gives an introduction to topology through its basic concepts: Topological spaces and continuous maps. Applications to analysis will be also covered

Home department: Mathematics

344 (16) Discrete Mathematics (3L, 3T)

Discrete Mathematics, or "Concrete Mathematics", as it is called in a famous book, deals with concrete objects that are inherently discrete, such as permutations, sets, trees and words. Emphasis will be placed on enumeration techniques. An introduction to elementary number theory will also be presented. In this part of the module, classical topics such as Fermat's theorem, Wilson's theorem or Lagrange's theorem on sums of four squares are treated.

Prerequisite pass modules: Mathematics 214, 244 or equivalent modules

Home department: Mathematics

345 (16) Logic (2L, 4T)

Out of the four tutorial periods, two are scheduled tutorials and two are for independent work on assignments

This module gives an introduction to mathematical logic and formal mathematical languages, with a special emphasis on those languages that can be used for foundation of mathematics.

Prerequisite pass modules: Mathematics 114, 144 or equivalent modules

Home department: Mathematics

365 (16) Real Analysis (3L, 3T)

Some concepts and results from real analysis will be covered.

Prerequisite pass modules: Mathematics 214, 244

Home department: Mathematics

Department of Mercantile Law (Faculty of Law)

Note: For more information regarding the modules offered by the Faculty of Law, see the Calendar part for the Faculty of Law.

35998 Mercantile Law (Commerce)**253 (8) Mercantile Law (Commerce) (3L, 1T)**

Basic principles of entrepreneurial law.

Prerequisite pass module: Mercantile Law (Acc) 193

Home department: Mercantile Law

285 (32) Mercantile Law (Commerce) (3L, 1T)

Sources of South African Law and fundamental concepts; law of obligations (law of contracts; law of delict; agency); law of insolvency; employment law; basic principles of entrepreneurial law.

Notes:

- Students who have passed Mercantile Law (Acc) 193 do not register for Mercantile Law (Commerce) 285, but register for Mercantile Law (Commerce) 253.

Home department: Mercantile Law

Special modules in Mercantile Law for BCom (International Business)**13352 Legal Aspects of International Transactions****314 (12) Legal Aspects of International Transactions (2L)**

This module provides a general introduction to law for commerce students and explains how the law regulates international business transactions. Emphasis is placed on the risks of doing business internationally and how the law can address these risks. A capita selecta of legal aspects pertaining to international business transactions will be discussed, such as the law relating to the international sale of goods, methods of payment in international transactions; international carriage of goods and insurance; international partnership, agency and distributorship agreements; intellectual property law; legal aspects of e-commerce; competition law; dispute resolution; white collar crime; environmental protection; as well as labour and human rights implications of international business transactions.

Home department: Mercantile Law

Special modules in Mercantile Law for BAcc Students

58432 Mercantile Law (Acc)

193 (24) Mercantile Law (Accounting) (3L, 1T)

Sources of South African Law and fundamental concepts; general principles of contract law, agency, specific contracts (sale, lease and credit agreements); labour law; insolvency law and security; instruments of payment.

Home department: Mercantile Law

292 (24) Mercantile Law (Accounting) (2L, 1T)

The legal principles regarding companies, close corporations, trusts and partnerships.

Prerequisite module: Mercantile Law (Acc) 193

Home department: Mercantile Law

Department of Modern Foreign Languages (Faculty of Arts and Social Sciences)

Note: For more information regarding the modules offered by the Faculty of Arts and Social Sciences, see the Calendar part for the Faculty of Arts and Social Sciences.

11302 Chinese

178 (24) Introduction to the Chinese Language and Culture (3L, 1P, 1T)

Introductory language study, including phonetics.

Introduction to contemporary China based on a selection of topics.

Note:

Chinese 178 is a module for beginners. No previous knowledge of Chinese is required. The module is designed to provide basic intercultural communication skills. It enables students to understand, speak, read and, to a lesser degree, write contemporary Chinese in everyday situations, which includes a basic knowledge of the present-day situation in China.

Home department: Modern Foreign Languages

13145 French

178 (24) Introduction to the French Language and Culture (3L, 1P, 1T)

For students without French in Grade 12.

Introductory language studies.

Introduction to contemporary French culture and French-speaking societies on the basis of selected topics.

Study of elementary literary texts.

Home department: Modern Foreign Languages

188 (24) Intermediate Study of the French Language, Literature and Culture (4L)

For students with French in Grade 12.

Intermediate language studies with particular emphasis on vocabulary.

French and Francophone literary texts.

Home department: Modern Foreign Languages

26107 German

178 (24) Introduction to the German Language and Culture (3L, 1P, 1T)

For students without German in Grade 12.

Introductory language study.

Introduction to contemporary culture on the basis of selected topics.

Analysis of texts related to these topics.

Home department: Modern Foreign Languages

188 (24) German Language, Literature and Culture of the 20th and 21st Centuries (3L, 1T)

For students with German in Grade 12.

A cultural-historical overview of the period on the basis of selected topics.

Analysis of texts related to these topics.

Intermediate language studies.

Home department: Modern Foreign Languages

Department of Philosophy (Faculty of Arts and Social Sciences)

Note: For more information regarding the modules offered by the Faculty of Arts and Social Sciences, see the Calendar part for the Faculty of Arts and Social Sciences.

12882 Philosophy

114 (12) Introduction to Systematic Philosophy (3L, 1T)

Systematic study of the nature, methods and aims of philosophy as a distinctive discipline.

Basic concepts of logic (truth, validity, soundness, deductive and inductive argumentation, the principle of non-contradiction, logical form and basic patterns in argumentation, etc.).

Meaning and language use; disputes and definitions; recognising fallacies; the manipulation of language and meaning; rhetorical strategies.

Exercises in the analysis of reasoning.

Home department: Philosophy

144 (12) Introduction to Moral Reasoning (3L, 1T)

The Greek Enlightenment and the most prominent Ancient Greek philosophers, most notably Socrates, Plato and Aristotle.

The intersection of Greek and Judeo-Christian thought in Late Antiquity.

The nature of moral problems and an overview of important approaches to moral reasoning (e.g. consequentialism, rule morality, human rights, virtue ethics).

Home department: Philosophy

214 (16) Subdisciplines in Philosophy I (3L, 1T)

Systematic study of questions relating to specific philosophical disciplines, namely epistemology, philosophy of science and/or aesthetics.

Note:

Two of the three disciplines are taught in any given year.

Home department: Philosophy

244 (16) Subdisciplines in Philosophy II (3L, 1T)

Systematic study of questions relating to specific philosophical disciplines, namely philosophy of religion, philosophy of mind, and/or applied ethics.

Note:

Two of the three disciplines are taught in any given year.

Home department: Philosophy

Department of Political Science (Faculty of Arts and Social Sciences)

Note: For more information regarding the modules offered by the Faculty of Arts and Social Sciences, see the Calendar part for the Faculty of Arts and Social Sciences.

44687 Political Science**114 (12) Introduction to Political Science and South African Politics (2L, 0.5T)**

The module is an introduction to the academic discipline of Political Science. It covers key concepts, theories, models and debates in the discipline. Following the conceptual and theoretical introduction it moves on to discuss the political development of, as well as politics in contemporary South Africa.

Home department: Political Science

144 (12) Introduction to International Relations and African Politics (2L, 0.5T)

An overview of the most important actors, structures and processes in the global system. Students will be familiarised with some practical as well as theoretical challenges related to the study and analysis of International Relations (IR), with particular attention to the African context.

Home department: Political Science

212 (8) Political Behaviour (1.5L, 0.5T)

A study of the way that figures and institutions with authority transfer political values and the way that these values eventually become part of the political culture. In some cases certain people question the existing values and become involved in political protest and violence. The latter phenomena, as well as tolerance and conventional political participation, are studied.

Home department: Political Science

222 (8) The Global Political Economy (1.5L, 0.5T)

A study of the dynamic interaction between politics and economics, with specific focus on the structures of the global political economy (trade, finance, production, knowledge and security), global governance institutions and on the tension between state and market institutions; perspectives adopted in the study of this field; South Africa in the global political economy.

Home department: Political Science

242 (8) Political Development (1.5L, 0.5T)

The analysis of the state, economy and development in Asia, Africa and/or Latin America based on case studies and comparative themes.

Home department: Political Science

252 (8) Foreign Policy Analysis (1.5L, 0.5T)

Offers an introduction and survey of the purpose and development of foreign policy, foreign policy analysis, the interaction with domestic policy questions, the role of different actors in foreign policy and the impact that issues at regional and global levels have, with specific reference to South Africa and/or other countries or regions.

Home department: Political Science

324 (12) Comparative Politics (2L, 0.5T)

Theories related to the comparison of political economic systems. Contemporary tendencies in Africa and other regions. Patterns of democratisation and electoral politics.

Home department: Political Science

Department of Private Law (Faculty of Law)

Note: For more information regarding the modules offered by the Faculty of Law, see the see Calendar part for the Faculty of Law.

Department of Psychology (Faculty of Arts and Social Sciences)

Note: For more information regarding the modules offered by the Faculty of Arts and Social Sciences, see the see Calendar part for the Faculty of Arts and Social Sciences.

18414 Psychology

114 (12) Psychology as a Science (2L, 1T)

This module is an introduction to psychology both as a science and a profession, with specific emphasis on psychological issues that are relevant in the South African context. Psychology is positioned at the convergence of a number of traditions of research and practice, including biological, philosophical and pragmatic traditions. This introductory module gives students a basis from which to approach further study of the discipline.

Home department: Psychology

144 (12) Psychology in Context (2L, 1T)

In this module the basic principles in psychology are applied in order to understand the person in context, with particular reference to core social issues and challenges facing South African society.

Home department: Psychology

213 (8) Approaches to Psychological Theories of the Person (1.5L)

This module addresses psychological theories and understandings of the person with reference to major contemporary approaches. Theories to be considered may include systemic, psychodynamic, behavioural, cognitive and existential components, with consideration of the applicability of psychological theories to African contexts.

Prerequisite pass modules: Psychology 114, 144

Home department: Psychology

223 (8) Human Development in Context (1.5L)

In this module human development is studied, with specific reference to the South African context.

Prerequisite pass modules: Psychology 114, 144

Home department: Psychology

243 (8) Research Design in Psychology (1.5L)

This module will equip students with knowledge and skills to evaluate the scientific literature in psychology. The module covers the core theoretical elements of both quantitative and qualitative research methodology using examples of current psychosocial issues.

Prerequisite pass modules: Psychology 114, 144

Home department: Psychology

253 (8) Data Analysis in Psychology (1.5L)

This module focuses on the statistical procedures that are commonly used in psychological research. The module will equip students with knowledge and skills to analyse quantitative data and to interpret statistical results.

Prerequisite pass modules: Psychology 114, 144

Home department: Psychology

314 (12) Psychopathology (4L)

In this module abnormal behaviour is studied, from different perspectives and classification systems, with specific reference to the mental health context in South Africa.

Three of the following prerequisite pass modules: Psychology 213, 223, 243, 253

Home department: Psychology

324 (12) Social Psychology (4L)

In this module, theoretical and methodological developments in contemporary social psychology are presented. Social relationships and identity are investigated with reference to social categories like sex, race, ethnicity and sexual orientation, with emphasis on the South African context.

Three of the following prerequisite pass modules: Psychology 213, 223, 243, 253

Home department: Psychology

348 (24) Psychological Interventions (4L)

Psychologists operate in a range of contexts, from individual psychotherapies to community interventions. This module critically discusses the principles behind the contributions psychologists make to human health, development and individual and collective well-being, with specific reference to the health and mental health context in contemporary South Africa.

Three of the following prerequisite pass modules: Psychology 213, 223, 243, 253

Home department: Psychology

Department of Public Law (Faculty of Law)

Note: For more information regarding the modules offered by the Faculty of Law, see the see Calendar part for the Faculty of Law.

Department of Sociology and Social Anthropology (Faculty of Arts and Social Sciences)

Note: For more information regarding the modules offered by the Faculty of Arts and Social Sciences, see the see Calendar part for the Faculty of Arts and Social Sciences.

19003 Sociology**114 (12) Introduction to Sociology and Social Anthropology (3L)**

Introduction to conceptual and theoretical themes in sociology and social anthropology, including discussions on social inequality, social stratification, culture, identity (including gender, "race" and ethnicity), socialisation, and age in the context of a life course perspective. Discussion themes are grounded in social theory and methodological approaches in the social sciences.

Home department: Sociology and Social Anthropology

144 (12) Social Issues in South Africa (3L)

A selection of social issues that reflect the complexity of contemporary South African society. Examples of themes include: social change; poverty and development; social institutions such as the family, education and religion; crime and security; health, the body and HIV/AIDS; political and economic relationships.

Home department: Sociology and Social Anthropology

212 (8) Poverty, Development and the Environment (1.5L, 0.5T)

Debates on the causes and meaning of poverty, inequality and development; critical thinking on underdevelopment and "sustainable development"; and the environment.

Home department: Sociology and Social Anthropology

222 (8) Social Identity and Inequality (1.5L, 0.5T)

Sociological understandings of the intersection of race, gender, sexuality, class and age as sources of identification, dimensions of power, and inequality in South Africa and elsewhere.

Home department: Sociology and Social Anthropology

242 (8) Sociology of Communication (1.5L, 0.5T)

An introduction to communication and media as a broad domain of enquiry; the social implications of information and communication technologies; the internet and networked societies; the particular role that digital technologies play in the mediation of ideas about social organization, from the local to the global.

Home department: Sociology and Social Anthropology

252 (8) Industrial Sociology (1.5L, 0.5T)

Central concepts, themes and debates within the field of industrial sociology, including an assessment of how work has changed through different eras; different interpretations of work and the impact of globalisation on the transformation of work; workplace restructuring, employment practices; trade unions and the management of conflict within the workplace in South Africa.

Home department: Sociology and Social Anthropology

54186 Social Anthropology**324 (12) Culture, Power and Identity (2L, 0.5T)**

Nation-building and ethnicity. Assimilation, pluralism, multiculturalism in comparative perspective. Global inequalities and human rights. Difference and diversity in civil society.

Corequisite modules: Sociology 1 and Social Anthropology 2, should Social Anthropology 3 be your major subject

Home department: Sociology and Social Anthropology

Department of Statistics and Actuarial Science**43214 Actuarial Science****112 (8) Theory of Interest (2L, 1T)**

Simple and compound interest. Force of interest. Future value, present value and discount. Accumulation and discounting of amounts of money. Various types of annuities and applications.

Notes:

- This module is more intensive than Theory of Interest 152.
- For admission to the module students must have passed Grade 12 Mathematics with a mark of at least 70% (symbol 6 or Higher Grade B).
- Students are required to complete at least 80% of all assigned classwork/tutorials. In cases where this requirement is not met, students will fail the module.

Home department: Statistics and Actuarial Science

142 (16) Introduction to Actuarial Science (3L, 1T)

Actuarial mathematical methods and models, principles of life contingencies, life insurance, general insurance, investments, employee benefits, healthcare financing and new trends with specific reference to the South African insurance industry. Actuarial professionalism and ethics.

Note:

Students are required to complete at least 80% of all assigned classwork/tutorials. In cases where this requirement is not met, students will fail the module.

Prerequisite pass modules:

- Mathematics 114 with a final mark of at least 60%
- Actuarial Science 112

Corequisite module: Probability Theory and Statistics 144

Home department: Statistics and Actuarial Science

211 (18) Financial Mathematics (4L)

Basic concepts of financial mathematics, compound interest functions, discounted cash flows, pricing of loans and other securities, annuities, as well as the use of MS Excel to perform calculations.

Prerequisite pass modules:

- Actuarial Science 112
- Mathematics 114 and 144 with an average final mark of at least 60%
- Probability Theory and Statistics 144 with a final mark of at least 65%

Corequisite modules:

- Mathematical Statistics 214
- Mathematics 214

Home department: Statistics and Actuarial Science

241 (22) Actuarial Models (5L)

Survival models and their application to actuarial work, including the use of computer software to perform calculations.

Prerequisite pass modules:

- Actuarial Science 112, 211
- Mathematical Statistics 214
- Mathematics 114 and 144 with an average final mark of at least 60%, 214
- Probability Theory and Statistics 144 with a final mark of at least 65%

Corequisite modules:

- Actuarial Science 142
- Mathematical Statistics 245, 246
- Mathematics 244

Home department: Statistics and Actuarial Science

311 (24) Actuarial Statistics (5L)

Mathematical and statistical techniques of particular relevance to actuarial work, including the use of computer software to perform calculations.

Prerequisite pass modules:

- Actuarial Science 112, 142, 211, 241
- Mathematical Statistics 214, 245, 246
- Mathematics 214, 244

Home department: Statistics and Actuarial Science

341 (24) Contingencies (5L)

Mathematical techniques used to model and value cash flows dependent on death, survival or other uncertain risks, including the use of computer software to perform calculations.

Prerequisite pass modules:

- Actuarial Science 112, 142, 211, 241
- Mathematical Statistics 214, 245, 246
- Mathematics 214, 244

Home department: Statistics and Actuarial Science

371 (32) Financial Engineering (4L)

Stochastic asset-liability modelling and the valuation of financial derivatives, including the use of computer software to perform calculations.

Prerequisite pass modules:

- Actuarial Science 112, 142, 211, 241
- Mathematical Statistics 214, 245, 246
- Mathematics 214, 244

Corequisite modules:

- Actuarial Science 311
- Mathematical Statistics 312, 316, 344, 364

Home department: Statistics and Actuarial Science

10394 Bayesian Statistics**441 (12) Bayesian Statistics (2L)**

For this course, the objective is to offer a Bayesian approach to statistical modelling. The basic principles of Bayesian statistics will be introduced as well as the use of Monte Carlo methods to estimate posterior distributions and their associated quantities. Several statistical learning topics on both regression and classification (including logistic regression, naive classification, linear regression, model selection and variable selection techniques such as ridge and lasso) will be approached from a Bayesian perspective and compared with their frequentist counterparts. The course will thereby aim to illustrate some of the benefits of the Bayesian approach.

Prerequisite pass modules: Mathematical Statistics 312, 316, 344, 364

Home department: Statistics and Actuarial Science

14026 Data Science

141 (16) Data Science (4L; 2P)

Fundamental data science concepts; data-analytic thinking; types of data; the data cycle; CRISP data mining process; describing a dataset numerically; describing a dataset graphically; organising data; file formats; data manipulation in R software; introduction to predictive modelling; overfitting; data leakage; model evaluation; other data science tasks and techniques; data ethics; communicating results.

Home department: Statistics and Actuarial Science

241 (16) Data Science (4L, 2P)

Introduction to Linux; Linux commands and file systems; programming structures; data sources; data collection; optimisation; resampling and the bootstrap; naive Bayes classification; Application of linear models; data ethics.

Prerequisite pass module: Data Science 141

Home department: Statistics and Actuarial Science

314 (16) Data Science (4L, 2P)

Exploratory data analysis; handling Big Data; text mining and natural language processing; evaluating model performance; data ethics; communicating results; advanced R programming. Data science project.

Prerequisite pass module:

- Data Science 241
- Mathematical Statistics 245, 246

Home department: Statistics and Actuarial Science

344 (16) Data Science (4L, 2P)

Regularised regression by means of ridge regression and the lasso; classification using linear discriminant analysis, logistic regression, quadratic discriminant analysis and k-nearest neighbours; resampling methods such cross validation and the bootstrap; linear model selection and dimension reduction methods; handling non-linearity via regression splines, smoothing splines, local regression, generalised additive models, bagging, random forests and boosting; and non-linear classification and regression by means of support vector machines.

Prerequisite pass module:

- Data Science 314
- Mathematical Statistics 312

Home department: Statistics and Actuarial Science

14290 Data Science Research Assignment

441 (40) Data Science Research Assignment

The research assignment provides students with a comprehensive learning experience that integrates knowledge from previous courses. The student will integrate knowledge and experiences gained from all previous modules and apply them to a data rich research topic. Students will have the opportunity to synthesise what they have learned and apply that knowledge to new, complex situations. Students should engage in the entire process of solving a real-world data science problem, from collecting and processing actual data, applying suitable and appropriate analytic methods to the problem to communicating the results in a clear and comprehensible way.

Prerequisite pass modules:

- Mathematical Statistics 312
- Data Science 344

Home department: Statistics and Actuarial Science

59498 Engineering Statistics

314 (15) Engineering Statistics (3L, 2.5T)

Applied probability theory; applications based on discrete and continuous random variables and their probability distributions, such as the normal, gamma, lognormal, log-Pearson type 3 (LP3), Gumbel (EV1) distributions; queuing processes; joint distributions; descriptive statistics and graphical presentations; moments, averages, median and standard deviations; moment generating functions; variation coefficient; skewness coefficient; peaking coefficient; sampling theory; point and interval estimation; hypothesis testing; μ_2 and K-S testing; simple linear and non-linear regression and correlation analyses; introduction to multiple linear regression; introduction to analysis of variance and experimental design.

Prerequisite pass modules: Engineering Mathematics 115, 145

Home department: Statistics and Actuarial Science

54690 Financial Risk Management

Financial Risk Management 274(24) has since 2020 been replaced by Actuarial Science 211(18) in the first semester and Financial Risk Management 252(6) in the second semester.

212 (8) Institutional Investment Management (3L, 2P)

Evaluating of the investment properties and the study of the mathematical methodology underlying the following financial asset classes: Government bonds, corporate debt, equity, properties, index linked government bonds, Foreign investments. South African financial market. Liabilities and risk profile of the following Institutional Investors: Banks, pension funds, medical aid schemes, unit trusts, investment trusts.

Corporate finance: Financial instruments to raise finance and manage financial risk.

Prerequisite pass modules:

- Mathematics 114, 144
- Probability Theory and Statistics 144
- Theory of Interest 152 *or*
- Actuarial Science 112

Corequisite modules:

- Actuarial Science 211
- Mathematical Statistics 214

Home department: Statistics and Actuarial Science

242 (8) Derivatives (3L, 2P)

Introduction to derivatives with emphasis on mathematical methodology; Mechanics of futures and option markets; Pricing of Futures and Forwards; Hedging strategies using derivatives; Interest Rate Markets; Swaps; Properties of stock options; Trading strategies involving options.

Prerequisite pass modules:

- Mathematics 114, 144
- Probability Theory and Statistics 144
- Theory of Interest 152 *or*
- Actuarial Science 112

Prerequisite module: Financial Risk Management 212

Corequisite modules:

- Actuarial Science 211
- Mathematical Statistics 214, 245, 246

Home department: Statistics and Actuarial Science

252 (6) Financial Mathematical Statistics (3L)

Analyses of financial returns, Principal components, Risk factor sensitivities and cash flow mapping.

Prerequisite pass modules:

- Actuarial Science 112
- Mathematics 114, 144
- Probability Theory and Statistics 144

Corequisite modules:

- Actuarial Science 211
- Financial Risk Management 212, 242
- Mathematics 214, 244
- Mathematical Statistics 214, 245, 246

Home department: Statistics and Actuarial Science

314 (24) Financial Mathematical Statistics 4L, 2T

Binomial trees; statistical modelling of stock prices, mathematical statistical derivation of Black-Scholes model and its applications; options on stock indices, currencies and futures; Greek letters; value at risk; numerical procedures to value derivatives; exotic options.

Prerequisite pass modules:

- Financial Risk Management 212, 242, 252
- Mathematics 214, 244
- Mathematical Statistics 214, 245, 246

Corequisite modules: Actuarial Science 211

Home department: Statistics and Actuarial Science

344 (24) Modern Portfolio Theory (4L, 2T)

Mean variance portfolio theory: Risk of a portfolio, delineating efficient portfolios, techniques for calculating the efficient frontier. The portfolio selection process, single and multi-index models, utility analysis. Models of equilibrium in the capital market: Standard capital asset pricing model, non-standard forms of capital asset pricing models, empirical tests of equilibrium models; introduction to SAS.

Prerequisite module: Financial Risk Management 314

Home department: Statistics and Actuarial Science

14289 Introduction to Statistical Learning**441 (12) Introduction to Statistical Learning (2L)**

Objectives and content: Statistical Learning is a collective noun for a variety of techniques that can be used to identify, describe, and model patterns and trends in data sets. Some of these techniques are well established in traditional statistics, for example regression analysis and discriminant analysis, while others have become feasible because of the ready availability of computing power. Examples of the latter are support vector machines, neural networks, and recommender systems, all of which are discussed in the module. The module strikes a balance between a study of these and other specific methods on the one hand and the underlying fundamentals on the other. Regularisation, optimisation, and the curse-of-dimensionality and ways of combatting it, are important concepts that are emphasised throughout the module.

Prerequisite pass modules:

- Mathematical Statistics 312
- Data Science 344

Home department: Statistics and Actuarial Science

11788 Machine Learning**441 (16) Machine Learning (2L)**

This module is an introduction to selected topics in machine learning.

Prerequisite pass modules:

- Computer Science 144
- Mathematical Statistics 245, 246

Home department: Mathematical Sciences, Division Computer Science

22853 Mathematical Statistics

214 (16) Distribution Theory and Introduction to Statistical Inference (4L, 2P)

Continuous stochastic variables; expected value and variance of a continuous stochastic variable; important continuous distributions; uniform, normal, exponential, gamma, beta. Moments and moment generating functions for discrete and continuous distributions. Bivariate probability distributions; marginal and conditional distributions; the multinomial and bivariate normal distribution; determining the distribution of functions of variables. The central limit theorem (without proof). Samples and sampling distributions: the standard parametric cases. Interval estimation and hypothesis testing: applying these principles in the standard cases of parametric inference. Data representation and description, calculating and interpreting sample measures.

Prerequisite pass modules:

- Mathematics 114, 144 with an average final mark of at least 60%
- Probability Theory and Statistics 114 or 144

Home department: Statistics and Actuarial Science

245 (8) Statistical Inference (2L, 1P)

Introduction to statistical inference. Principles of point estimation: efficiency, minimum variance unbiased estimators, consistency. Method of moments estimators. Maximum likelihood estimators. The Neyman-Pearson lemma: proof and applications. Likelihood ratio tests. Parametric estimation theory and hypothesis testing. Bayesian inferential statistics.

Prerequisite pass module: Mathematical Statistics 214

Home department: Statistics and Actuarial Science

246 (8) Linear Models in Statistics (2L, 1P)

Advanced matrix algebra. Stochastic vectors and matrices. The multivariate normal distribution. Maximum likelihood estimation of parameters in the multivariate normal distribution. Distributions of quadratic forms. The simple linear regression model. The method of least squares. Inference in the simple linear regression model. Introduction to R software.

Prerequisite pass module: Mathematical Statistics 214

Home department: Statistics and Actuarial Science

312 (16) Statistical Inference and Probability Theory (3L, 1P)

Advanced distribution theory, sequences of random variables, limit theory for sequences, generating functions, sampling distributions and approximations. Sufficiency. Different approaches to inference. Goodness-of-fit methods. Bayes inference: Decision theory and Bayes risk using loss functions, Bayesian belief networks and Bayesian classification. Markov Chain Monte Carlo simulation techniques: Gibbs sampling and Metropolis-Hasting algorithms.

Prerequisite pass module: Mathematical Statistics 245

Prerequisite modules:

- Mathematical Statistics 246 with a final mark of at least 40%
- Mathematics 214

Home department: Statistics and Actuarial Science

316 (16) Regression and Predictive Modelling (3L, 1P)

Fitting regression models by means of matrices. The multiple linear regression model. Inference in the multiple linear regression model. Residual analysis. Variable selection techniques. Ridge regression. Lasso regression. Linear methods for classification. The use of R software to fit models in practice.

Prerequisite pass module: Mathematical Statistics 246

Prerequisite modules:

- Mathematical Statistics 245 with a final mark of at least 40%
- Mathematics 214, 244

Home department: Statistics and Actuarial Science

344 (16) Stochastic Processes and Statistical Learning (3L, 1P)

Introduction to stochastic processes. Markov processes and their applications. Introduction to martingale theory and applications. Introduction to statistical learning.

Prerequisite module: Mathematical Statistics 312, 316

Home department: Statistics and Actuarial Science

364 (16) Time Series (3L, 1P)

Stationarity, filters for time series, autoregressive, moving average, autoregressive moving average and autoregressive integrated moving average time series, shift operators for time series, model identification and estimation and diagnostic testing of time series, non-stationarity of time series. Applications of time series.

Prerequisite module: Mathematical Statistics 312, 316

Home department: Statistics and Actuarial Science

14373 Multivariate Statistical Analysis A**441 (12) Multivariate Statistical Analysis A (3L)**

The objective of the module is to teach students the theoretical basis and practical application of multivariate statistics. Various aspects of multivariate statistics are discussed. Students learn mathematical theory supporting multivariate statistics, and the application of these statistics. The consequences of the assumptions made on multivariate statistics are also considered. In particular, the following topics are studied: the characterisation and display of multivariate data; matrix algebra and random vectors; the multivariate normal distribution; inferences about the multivariate population mean vector.

Prerequisite pass modules:

- Mathematical Statistics 312, 316, 344, 364

Home department: Statistics and Actuarial Science

14374 Multivariate Statistical Analysis B**441 (12) Multivariate Statistical Analysis B (3L)**

The objective of the module is to provide students with the expertise to confidently come to the right conclusions when analysing multivariate data. Students will study the theory and applications of the following multivariate statistical techniques: multivariate analysis of variance (MANOVA), multivariate multiple regression analysis, principal component analysis, factor analysis, canonical correlation analysis, discriminant and classification analysis, cluster analysis, distance and ordination methods.

Application to multivariate datasets will be performed using the SAS and R software.

Prerequisite pass modules:

- Mathematical Statistics 312, 316, 344, 364
- Multivariate Statistical Analysis A

Home department: Statistics and Actuarial Science

56820 Probability Theory and Statistics**144 (16) Probability Theory and Statistics (3L, 3T)**

Combinatorial analysis; the basic counting principles; permutations and combinations. Random phenomena; sample spaces and events; the probability axioms; the probability of an event; random selection; probability rules; conditional probability; the rule of Bayes; stochastic independence. Discrete and continuous stochastic variables; expected value and variance of a stochastic variable; important discrete distributions: binomial, Poisson, geometric, hypergeometric, negative binomial; important continuous distributions, uniform, normal

Home department: Statistics and Actuarial Science

19658 Statistics

Note:

To major in Statistics for a BCom degree, the modules Statistics and Data Science 188, Statistics 214, 224, 244 and Statistics 318, 348 are required.

214 (16) Applied Statistics (3L, 2T)

Descriptive statistics: Various data types; Frequency distributions; Contingency tables; Graphical representation of different data types; Measures of location and spread; Box-and-whisker plot.

Discrete stochastic variables and probability distributions: Expected value, variance and standard deviation of a discrete stochastic variable; Correlation between discrete stochastic variables; Joint, marginal and conditional distributions; Distribution of the sum of variables; Binomial and Poisson distributions.

Continuous stochastic variables and probability distributions: Expected value, variance and standard deviation of a continuous stochastic variable.

Distributions: Uniform, normal, exponential, gamma, t, F, chi square and beta.

Sampling distributions: The central limit theorem; Sampling distributions of one mean; One proportion and one variance; Sampling distributions of the difference between two means and the difference between two proportions; Sampling distributions of the ratio of two variances.

Inferential statistics: Interval estimation and hypothesis testing for one mean, one proportion and one variance; Interval estimation and hypothesis testing for the difference between two means, the difference between two proportions and the ratio of two variances; Concept and calculation of p values in above cases; Determining sample sizes; Calculation of power and the effect of sample size on it.

Categorical data analysis: Hypothesis testing for the difference between two or more proportions; Tests for independence; The goodness of fit test.

Note:

Application of statistical techniques using Microsoft® Excel is emphasised throughout.

Prerequisite pass modules:

- Statistics and Data Science 188 or
- Probability Theory and Statistics 114 or 144

Corequisite module: Statistics 224 (Students who have passed Mathematics 114 or 144 are exempt from this.)

Home department: Statistics and Actuarial Science

224 (16) Statistical Theory and Practice (3L, 2T)

Handling data sets: Data vectors and data matrices; different types of data and its influence on the choice of applicable statistical techniques; manipulations with data vectors and data matrices; calculating simple statistical measures with the use of vectors and matrices; the R programming language; importing data into R; vector and matrix operations in R to calculate statistical measures; determinant and eigenvalues of a square matrix with applications in statistics.

Moment generating functions and their applications: Moments of a random variable; calculation and interpretation of discrete and continuous moments with summation and integration; the exponential function and some of its basic properties; the moment generating function; moment generating functions of important distributions; obtaining moments from moment generating functions using differentiation and a series expansion; graphical displays of probability distributions in R (the *denstrip* package).

Transformations: The logarithmic and square root transformations and their usage and effect in the analysis of data.

Optimisation in statistics: Obtaining the maximum and minimum of a function of a single variable using differentiation; the least squares method; the maximum likelihood method (in general); Lagrange multipliers.

Transformations: The logarithmic and square root transformations and their usage and effect in the analysis of data.

Prerequisite pass module: Statistics and Data Science 188

Home department: Statistics and Actuarial Science

244 (16) Statistical Inference (3L, 2T)

Sampling techniques: Simple random sampling; Stratified sampling; Systematic sampling; Cluster sampling; Probability proportional to size sampling.

Properties of estimators: Unbiasedness; Efficiency; Consistency; Sufficiency; Robustness.

Estimation methods: Maximum likelihood; Method of moments.

Simple linear regression analysis: The simple linear regression model; Method of least squares estimation; Inference on the model parameters and the correlation coefficient; Residual analysis; Prediction intervals and confidence intervals.

Multiple linear regression analysis: The multiple linear regression model; Residual analysis; Inference on the parameters of the model; Regression models with dummy variables and interaction terms; Polynomial regression; Transformations; Collinearity; Variable selection.

Analysis of variance: Completely randomised factorial designs; Block designs.

Non-parametric techniques for analysis of variance: Wilcoxon's rank sum test; The sign test; Wilcoxon's signed-rank test; Kruskal-Wallis test; Friedman's test.

Note:

Application of statistical techniques using Microsoft® Excel and R are emphasised throughout.

Prerequisite pass module: Statistics 214

Prerequisite module: Statistics 224

Home department: Statistics and Actuarial Science

318 (24) Linear and Econometric Models (4L, 2T)

Regression analysis: The multiple linear regression model. Maximum likelihood estimators; Residual analysis; Outliers and influential observations; Unequal variances; Multicollinearity; Power transformations; Variable selection; Weighted least squares; Logistic regression; Ridge regression; Robust regression; Principal component regression; Dummy variables and ANOVA; Log-linear model; Econometric models.

Multivariate methods: Presentation of multivariate data; The multivariate normal distribution; Tests for normality; Hypothesis testing for one and two population mean vectors; Confidence regions and simultaneous confidence intervals; Multivariate control charts; Multivariate analysis of variance; Linear discriminant analysis; The use of the software R, STATISTICA and SAS to apply regression analysis and multivariate methods to datasets.

Prerequisite pass modules:

- Statistics 214, 224, 244 or
- Mathematical Statistics 214, 245, 246

Home department: Statistics and Actuarial Science

348 (24) Statistical Practice (4L, 2T)

Probability theory: Discrete probability distributions (the binomial, geometric, negative binomial, hypergeometric and Poisson distributions); Moments and moment generating functions; Continuous probability distributions (the normal, gamma and beta distributions); Functions of random variables (the method of transformations, the method of moment generating functions, and order statistics).

Advanced statistical inference: Properties of estimators (unbiasedness, efficiency, consistency, sufficiency, robustness); Method-of-moments estimation; Maximum likelihood estimation; Likelihood ratio tests.

Time series analysis: Time series decomposition methods; Single exponential smoothing; Holt's method; Holt-Winter's method; Multiple regression in time series analysis; Box-Jenkins methodology for ARIMA models; Using the R and STATISTICA software to apply time series models.

Stochastic simulation: Generating random numbers from different distributions using R; Inverse transform method; Acceptance-rejection method; Practical applications of simulation using R.

Bayesian inference: Bayes' theorem; Bayesian priors, posteriors and estimators; Bayesian credibility intervals; Bayes hypothesis testing.

Prerequisite module: Statistics 318

Home department: Statistics and Actuarial Science

14223 Statistics and Data Science

188 (18) Statistics and Data Science (3L) (2P)

Linear programming: graphical techniques to solve problems with two variables; shadow prices; sensitivity analyses. (Only applies to BAcc students).

Data science: fundamental concepts; the data cycle; data ethics.

Descriptive statistics: various data types; graphical representation of data; descriptive measures of location, spread and association; box plots.

Sampling techniques: simple random; stratified; systematic; cluster; probability proportional to size.

Probability theory: basic probability concepts; Bayes' theorem; counting rules.

Discrete random variables and probability distributions: expected value, variance and standard deviation of a discrete random variable; covariance between discrete random variables; binomial, hypergeometric and Poisson distributions.

Continuous random variables and probability distributions: expected value, variance and standard deviation of a continuous random variable; the uniform, normal and exponential distributions.

Sampling distributions: central limit theorem; sampling distributions of the mean and a proportion; sampling distribution of the difference between two means and two proportions.

Inferential statistics: interval estimation and hypothesis testing for the mean, a proportion, the variance and the standard deviation; interval estimation and hypothesis testing for the difference between two means, two proportions and the ratio of two variances.

Regression analysis: the simple and multiple linear regression model; the method of least squares estimation; inference on the model parameters and coefficient of correlation; residual analysis.

Home department: Statistics and Actuarial Science

65250 Stochastics Simulation

441 (12) Stochastic Simulation (3L)

The module is concerned with the study of the theory and applications of important probability models and stochastic processes and their application to simulation. The simulation of random variables from well-known distributions using techniques in mathematical statistics is followed by applications thereof. These are studied theoretically/analytically and are then illustrated by means of computer-based simulation. In particular, the following topics are studied: methods for generating random variables from statistical distributions, Monte Carlo integration, Markov chains and Markov chain Monte Carlo methods (including applications to Metropolis-Hastings and Gibbs sampling methods), homogeneous and non-homogeneous Poisson processes and variance reduction techniques for Monte Carlo integration.

Prerequisite pass modules: Mathematical Statistics 312, 316, 344, 364

Home department: Statistics and Actuarial Science

38784 Theory of Interest

152 (6) Theory of Interest (2L, 1T)

Simple and compound interest. Force of interest. Future value, present value and discount. Accumulation and discounting of amounts of money. Various types of annuities and applications.

Home department: Statistics and Actuarial Science

14309 Time Series Analysis

441 (12) Time Series Analysis (3L)

Data observed sequentially over time are very common. In time series analysis, the stochastic method that gives rise to an observed series is modelled and then used to forecast future values. This module is a continuation of previous time series coursework and concentrates on more advanced time series techniques.

Prerequisite pass modules: Mathematical Statistics 312, 316, 344, 364

Home department: Statistics and Actuarial Science

School of Accountancy

17426 Auditing

288 (24) Auditing (2.5L)

Introduction and background to auditing; ethics and the legal liability of the auditor; the audit process (pre-engagement and planning activities); basic principles of internal control; internal control cycles and the design thereof.

Prerequisite module: Financial Accounting 178, 188 or 179

Home department: School of Accountancy

378 (24) Auditing (2.5L)

Continuation of Auditing 288(24)/Auditing 388(24).

Auditing in a computerised environment; the audit process (audit procedures, completion and reporting); audit sampling.

Prerequisite module: Auditing 288

Corequisite module: Financial Accounting 278 or 288

Home department: School of Accountancy

388 (24) Auditing (2.5L)

(Content the same as Auditing 288)

Introduction and background to auditing; ethics and the legal liability of the auditor; the audit process (pre-engagement and planning activities); basic principles of internal control; internal control cycles and the design thereof.

Prerequisite module: Financial Accounting 178, 188 or 179

Home department: School of Accountancy

59277 Business Ethics

214 (8) Business Ethics (2L)

Introduction to ethics, applied ethics, and ethical decision-making; macro-ethical issues in business ethics; contemporary approaches to corporate social responsibility and corporate governance; professionalism and ethics in accountancy; the nature and functioning of professional codes; ethical challenges associated with the accountancy functions (i.e. auditing, management and tax); management and organisational ethics; writing skills, research and case study analysis in applied ethics.

Note:

Business Ethics 214 is an exclusion subject with Business Ethics 314.

Home department: School of Accountancy

14523 Digital and Leadership Acumen

112 (6) Introduction to Digital Acumen for Accountants (2L)

General information technology concepts for business systems that include general systems theory; infrastructure; networks and electronic communication; introduction to the development, management and control of information systems.

Note:

Students who failed Information Systems 114 in 2022 must register for both Digital and Leadership Acumen 112 and 142 in 2023 or thereafter.

Home department: School of Accountancy

122 (6) Spreadsheet Software for Accountants (1L, 1P)

The practical use of spreadsheet software in a business environment.

Note:

Students who failed Information Systems 144 in 2022 must register for both Digital and Leadership Acumen 122 and 152 in 2023 or thereafter.

Home department: School of Accountancy

142(a) (6) Introduction to Accounting Software for Accountants (1L, 1P)

Practical use of general accounting software in a business environment.

Note:

Students who failed Information Systems 114 in 2022 must register for both Digital and Leadership Acumen 112 and 142 in 2023 or thereafter.

Home department: School of Accountancy

152 (6) Introductory Spreadsheet Automation for Accountants (1L, 1P)

The practical use of spreadsheet automation in a business environment.

Note:

Students who failed Information Systems 144 in 2022 must register for both Digital and Leadership Acumen 122 and 152 in 2023 or thereafter.

Prerequisite pass module: Information Systems 144 or Digital and Leadership Acumen 122.

Home department: School of Accountancy

162 (6) Ethics, Finance and Operations in Digital Business Environments for Accountants (1L, 1P)

The interaction of finance and business operations in a digital world. Ethics and dealing with ethical conflicts in a business environment.

Note:

Students who failed Information Systems 152 in 2022 must register for Digital and Leadership Acumen 162 in 2023 or thereafter

Home department: School of Accountancy

212 (6) Sustainable Business Models and Integrated Reporting for Accountants (1L, 1P)

The module uses a case study methodology to develop a practical understanding of business model building blocks and integrated reporting. The role of responsible leadership in value creation is also explored.

Note:

Students who failed Information Systems 214 in 2022 must register for Digital and Leadership Acumen 212 in 2023 or thereafter.

Home department: School of Accountancy

242 (6) Accounting Software and Application Controls for Accountants (1L, 1P)

The practical implementation and working of the controls in a computerised accounting information system. This module focuses on integration with Financial Accounting, Auditing and Taxation.

Note:

Students who failed Information Systems 242 in 2022 must register for Digital and Leadership Acumen 212 in 2023 or thereafter

Corequisite module: Financial Accounting 178, 188 or 179

Prerequisite pass module: Information Systems 114 or Digital and Leadership Acumen 142.

Home department: School of Accountancy

324 (12) Data Analytics for Accountants (1L, 2P)

The use of technology to validate and perform data analytics on large, complex data sets to solve business and accounting problems.

Corequisite module: Financial Accounting 278

Prerequisite modules:

- Auditing 288
- Information Systems 144 or both Digital and Leadership Acumen 122 and 152.

Home department: School of Accountancy

26883 Financial Accounting**178 (24) Financial Accounting (4L)**

The accounting cycle; conceptual framework for financial reporting; value added tax; selected International Financial Reporting Standards; accounting treatment of consignments; preparation and presentation of financial statements of companies; and introduction to group statements.

Home department: School of Accountancy

188 (24) Financial Accounting (4L)

Theoretical principles of International Financial Reporting Standards; accounting systems; preparation and presentation of financial statements for different enterprises.

Note:

Students who did not pass Accounting in their Grade 12 year must attend five lectures per week.

Home department: School of Accountancy

179 (26) Financial Accounting (4L, 1T)

This module focusses on the theoretical principles of International Financial Reporting Standards and accounting systems as well as the preparation and presentation of financial statements for different enterprises. This module is equivalent to Financial Accounting 188 (it covers all the same material, but some lectures and tutorials are taught separately). The focus on the separately taught lectures and tutorials will be supplementary conceptual development specifically for students that are part of the Faculty's BCom (Management Sciences) Extended Degree Programme.

Home department: School of Accountancy

278 (32) Financial Accounting (4L)

Continuation of International Financial Reporting Standards; continuation of group statements; treatment of intergroup transactions; and introduction to foreign operations.

Prerequisite pass module:

- Financial Accounting 178, 188 or 179 (in the latter two cases an internal Financial Accounting test required by the School must be completed successfully.)

Home department: School of Accountancy

288 (32) Financial Accounting (4L)

Continuation of International Financial Reporting Standards; introduction to group statements and treatment of intergroup transactions.

Prerequisite pass modules: Financial Accounting 178, 188 or 179

Home department: School of Accountancy

379 (48) Financial Accounting (4.5L)

Continuation of International Financial Reporting Standards; continuation of group statements; complex groups; acquisition and sale of subsidiaries; change in degree of control; continuation of foreign operations; equity accounting of associates and joint ventures; and consolidated cash flow statements.

Prerequisite pass module:

- Financial Accounting 278 or Financial Accounting 389 (in the case of Financial Accounting 389, a final mark of 55% must be achieved.)

Home department: School of Accountancy

389 (48) Financial Accounting (4L)

Advanced aspects of International Financial Reporting Standards; continuation of group statements and consolidated cash flow statements.

Prerequisite pass module:

- Financial Accounting 278 or 288 (no third-year Logistic Management modules may be taken in combination with Financial Accounting 389.)

Home department: School of Accountancy

48062 Information Systems**114 (12) Introductory Information Systems for Accountants (3L, 1P)**

General information technology concepts for business systems (general systems theory; infrastructure; networks and electronic communication; introduction to the development, management and control of information systems). The practical use of a computerised accounting information system and general application software.

Home department: School of Accountancy

144 (12) Applied Information Systems for Accountants (3L, 1P)

Practical use of general spreadsheet software in a business environment.

Note:

Information Systems 144 and Information Systems 112 may not be presented together for degree purposes.

Home department: School of Accountancy

214 (6) Integrated Information Systems (2L)

The course uses a case study methodology to develop a practical understanding of business model building blocks and integrated reporting. This course has been designed to meet the pervasive skills required by future Chartered Accountants (as per the South African Institute of Chartered Accountants) and Chartered Management Accountants (as per the Chartered Institute of Management Accountants) and focus on integration with Management Accounting.

Corequisite module: Management Accounting 278 or 288

Home department: School of Accountancy

242 (6) Integrated Accounting Information Systems (2L)

The practical implementation and working of the controls in a computerised accounting information system. This course has been designed to meet the pervasive skills required by future Chartered Accountants (as per the South African Institute of Chartered Accountants) and Chartered Management Accountants (as per the Chartered Institute of Management Accountants) and focus on integration with Financial Accounting, Auditing and Taxation.

Corequisite module: Financial Accounting 178 or 188

Prerequisite pass module: Information Systems 114 or 188

Home department: School of Accountancy

10812 Management Accounting**278 (30) Management Accounting (4L)**

Concepts of strategy and business risk. Time value of money; risk and return; valuations; working capital management; financing decision; cost of capital and investment decision. Cost elements and concepts; cost assignment and behaviour; costing systems including job costing, standard costing and process costing; joint and by-products; budgets; and absorption and variable costing.

Prerequisite pass modules:

- Financial Accounting 178, 188 or 179 (In the latter two cases you must successfully complete the internal Financial Accounting test required by the School.)

Corequisite module: Financial Accounting 278 or 288

Home department: School of Accountancy

288 (24) Management Accounting (3L)

Introduction to strategy. Time value of money; risk and return; valuation of preference shares and bonds; working capital management; financing decision and cost of capital. Fundamental concepts of cost and management accounting; cost assignment and behaviour; job costing; standard costing; process costing; joint and by-products; budgeting and control.

Prerequisite pass module: Financial Accounting 188 or 179

Prerequisite module: Financial Accounting 178

Home department: School of Accountancy

378 (36) Management Accounting (3L)

Valuations and takeovers; analysis of financial information in the integrated report; dividend policy; businesses in financial stress and financial risk. Standard costing; optimisation; performance management; cost-volume-profit analysis; risk and uncertainty; activity-based costing; relevant information and transfer pricing.

Prerequisite pass module:

- Financial Accounting 278 or Management Accounting 388 (In the case of Management Accounting 388, a final mark of 55% must be achieved.)

Prerequisite module:

- Management Accounting 278 (This prerequisite module is not applicable in cases where Management Accounting 388 has been passed.)

Home department: School of Accountancy

388 (48) Management Accounting (4L)

Valuations of businesses; takeovers, analysis of financial information in the integrated report; division of profit and financial risk. Budgeting and control; standard costing; absorption and variable costing; cost-volume-profit analysis; risk and uncertainty; activity-based costing; relevant information; throughput accounting and cost management techniques.

Prerequisite pass module: Financial Accounting 278 or 288

Prerequisite module: Management Accounting 278 or 288

Home department: School of Accountancy

18287 Taxation**298 (24) Taxation (2L)**

The taxation structure of the Republic of South Africa with reference to the Income Tax Act; determining the normal tax liability (taking into account capital gains tax) and withholding tax liability of natural persons and the calculation of employees' tax.

Prerequisite pass modules:

- Financial Accounting 178, 188 or 179 (In the latter two cases an internal Financial Accounting test required by the School must be completed successfully.)

Corequisite module: Financial Accounting 278

Home department: School of Accountancy

388 (24) Taxation (2L)

The taxation structure of the Republic of South Africa with reference to the Income Tax Act; determining the normal tax liability of natural persons and companies (taking into account capital gains tax); tax returns, assessments and sundry administrative aspects regarding taxation. VAT in terms of the Value Added Tax Act.

Prerequisite pass modules: Financial Accounting 178, 188 or 179

Home department: School of Accountancy

399 (36) Taxation (3L)

Tax legislation in the Republic of South Africa, with specific reference to companies, Value Added Tax, capital gains tax, provisional tax and the tax of natural persons and partnerships.

Prerequisite pass module: Financial Accounting 278

Prerequisite module: Taxation 298

Home department: School of Accountancy

School of Public Leadership

14130 Applied Compliance and Control

176 (20) Applied Compliance and Control (HL)

Managing monitoring and evaluation prescripts; reporting; financial regulatory and value-for-money controls; contracting; enterprise risk management and oversight.

Home department: School of Public Leadership

14124 Applied Institutional Capacity Management

173 (20) Applied Managing Institutional Capacity (HL)

The enhancement of institutional capacity through good people management and leadership skills, individual performance management, computer skills, research methods and written communication skills, goal setting and conflict management.

Home department: School of Public Leadership

14127 Applied Institutional Collaboration

175 (20) Applied Managing Institutional Collaboration (HL)

This module focuses on the management of institutional collaboration and building alliances through negotiation skills, conflict resolution and lobbying and building of public private partnerships.

Home department: School of Public Leadership

14126 Applied Managing Institutional Performance

172 (20) Applied Managing Institutional Performance (HL)

This module focuses on enhancing and leading institutional performance through sound financial management, programme management skills, the setting of institutional performance standards and strategic management and leadership.

Home department: School of Public Leadership

14128 Applied Public Accountability

171 (20) Applied Public Accountability (HL)

Theories and practices of leadership and good governance and a customer- centric ethos that supports accountability for public service delivery. Theories and practices to engage with political-administrative leadership on matters of public accountability.

Home department: School of Public Leadership

14129 Applied Public Financial Accounting

177 (20) Applied Public Financial Accounting (HL)

Applied practices of financial accounting including recording of public sector financial transactions and financial reporting.

Home department: School of Public Leadership

13782 Building Sustainable Cities

371 (10) Building Sustainable Cities (For more on the programme structure, see the Diploma in Sustainable Development in the chapter "Undergraduate Programmes" in this book.)

The module leads students through an investigation of global sustainability challenges through the lens of the city, using Cape Town and Stellenbosch as case studies.

Home department: School of Public Leadership

14526 Business Plans and Strategies

121 (15) Business Plans and Strategies (HL)

Formulate business plans for start-up enterprises; practical methods and tools needed to formulate business plans aimed at the market for "responsible" and "impact" investing. This module is presented online with one compulsory face-to-face (F2F) teaching block.

Home department: School of Public Leadership

13782 Building Sustainable Cities

371 (10) Building Sustainable Cities (For more on the programme structure, see the Diploma in Sustainable Development in the chapter "Undergraduate Programmes" for more information regarding the programme structure in this book.)

The module leads students through an investigation of global sustainability challenges through the lens of the city, using Cape Town and Stellenbosch as case studies.

Home department: School of Public Leadership

13797 Civilisation, Revolution and Leadership

271 (10) Civilisation, Revolution & Leadership (For more on the programme structure, see the Diploma in Sustainable Development in the chapter "Undergraduate Programmes" in this book.)

This module provides perspectives on developmental paradigms, inspirational examples of leadership and alternatives to dominant global narratives.

Home department: School of Public Leadership

13787 Communication, PR and Journalism Studies

371 (10) Communication, PR & Journalism (For more on the programme structure, see the Diploma in Sustainable Development in the chapter "Undergraduate Programmes" in this book.)

Students learn how to promote and manage an organisation's public image, brand and stakeholder relationships.

Home department: School of Public Leadership

13205 Compliance and Control

251 (20) Compliance and Control (HL)

This module is aimed at developing conceptual insight, contextual and practical skills to implement an integrated risk management system, considering international best practices.

Home department: School of Public Leadership

13777 Compliance and Control: Asset and Procurement Management

122 (15) Compliance and Control: Asset and Procurement Management (HL)

This module introduces students to the basic principles and techniques for compliance and control in public sector organisations, relating to the legal framework for asset – and supply chain management.

Home department: School of Public Leadership

13776 Compliance and Control: Budgeting

121 (15) Compliance and Control: Budgeting (HL)

This module introduces students to the basic principles and techniques for compliance and control in public sector organisations, including budgeting and financial reporting.

Home department: School of Public Leadership

13798 Ecoliteracy for the 21st Century

271 (10) Ecoliteracy for the 21st Century (For more on the programme structure, see the Diploma in Sustainable Development in the chapter "Undergraduate Programmes" in this book.)

This module builds ecological intelligence by interpreting the interplay between the natural and man-made world.

Home department: School of Public Leadership

14513 Ecoliteracy

177 (20) Ecoliteracy (For more on the programme structure, see the Diploma in Sustainable Development in the chapter "Undergraduate Programmes" in this book.)

The module explores the complex interplay between elements of socio-ecological systems. Students are introduced to ecological intelligence, environmental ethics and ecoliteracy. Students will learn how to describe complex systems and interpret the interconnections between natural and human-made worlds.

Home department: School of Public Leadership

14528 Entrepreneurship Incubator

151 (60) Entrepreneurship Incubator (HL)

This module prepares students to formulate a business plan for an enterprise that is regarded as a worthwhile investment by a "responsible/impact" investor. Four types of enterprises are included, namely conventional for-profit entrepreneurship, social entrepreneurship, social campaigns underpinned by a social enterprises and "knowledge commons" enterprises. This module is presented online with two compulsory face-to-face (F2F) teaching blocks.

Home department: School of Public Leadership

14519 Green Economy

278 (15) Green Economy (For more on the programme structure, see the Diploma in Sustainable Development in the chapter "Undergraduate Programmes" in this book.)

This module provides a broad overview of the green economy and its related concepts. It highlights the need for a green economy against the backdrop of sustainable development and climate change. A range of green activities and green jobs, from micro to macro scale will be explored to build a comprehensive case for a green economy in the South African context.

Home department: School of Public Leadership

13794 Image and Storytelling for Change Makers

271 (15) Image and Storytelling for Change Makers (For more on the programme structure, see the Diploma in Sustainable Development in the chapter "Undergraduate Programmes" in this book.)

This module examines the powerful role of image and storytelling in social transformation and develops practical storytelling skills for social activists.

Home department: School of Public Leadership

13209 Institutional Conduct

142 (15) Institutional Conduct I (HL)

This module introduces students to legislation, regulations and codes relating to governance ethics in the municipal sphere by applying principles that underpin professional code of ethics for government officials.

Home department: School of Public Leadership

241 (20) Institutional Conduct II (HL)

This module introduces students to the principles of critical thinking to solve problems and applies these principles to a customer-centric organisation. This module specifically outlines application of the Batho Pele principles, as well as organisational integrity and the value of professional ethical standards in the work environment.

Home department: School of Public Leadership

14521 Internship

379 (40) Internship (For more on the programme structure, see the Diploma in Sustainable Development in the chapter "Undergraduate Programmes" in this book.)

This module prepares students for the move from student to working professional. Students must complete a 200-hour internship at an organization/company whose work is aligned with sustainable development goals. The module allows students to develop general professional skills and take responsibility for their own development. Students are supported in identifying suitable internships and completing the application and interview processes. The internship allows students to learn in a relevant environment, add experience to their CVs, build valuable networks and refine their career aspirations.

Home department: School of Public Leadership

13206 Managing Institutional Capacity

171 (20) Managing Institutional Capacity I (HL)

This module introduces students to the basic principles regarding the use of cost management for the purpose of management reporting, and the principles of information systems within a public finance and administration context.

Home department: School of Public Leadership

271 (20) Managing Institutional Capacity II (HL)

The aim of this module is to equip students with the knowledge, skills and capability to apply the principles and techniques of costing; cash management and capital planning; and to make financing and investment decisions in a public sector context.

Home department: School of Public Leadership

13207 Managing Institutional Collaboration

182 (15) Managing Institutional Collaboration I (HL)

This module introduces students to the legislation and practices of public collaboration between various levels of government and other stakeholders for improved service delivery and creation of public value.

Home department: School of Public Leadership

281 (20) Managing Institutional Collaboration II (HL)

This module introduces students to alternative service delivery mechanisms. The focus is specifically on Public - Private Co-operation, and Public Private Partnerships (PPPs). The module therefore provides students with a conceptual and practical insight on how to design and implement PPP's for improved service delivery.

Home department: School of Public Leadership

13208 Managing Institutional Performance

191 (20) Applied Managing Institutional Performance (HL)

This module focuses on enhancing and leading institutional performance through sound financial management, programme management skills, setting of institutional performance standards and strategic management and leadership.

Home department: School of Public Leadership

191 (20) Managing Institutional Performance I (HL)

This module introduces students to the basic techniques and principles for improving institutional performance through strategic planning, performance management, project management and cash management.

Home department: School of Public Leadership

291 (20) Managing Institutional Performance II (HL)

The module aims to equip students with the knowledge, insight, skills and attitudes to enable them to contribute to the design of fit for purpose and effective organizational performance management systems and organizational structures.

Home department: School of Public Leadership

13780 Mentorship and Facilitation

371 (10) Mentorship and Facilitation (For more on the programme structure, see the Diploma in Sustainable Development in the chapter "Undergraduate Programmes" of this book.)

Students experiment with the possibilities inherent in facilitating and participating in conversations that matter to them, as both mentors and mentees.

Home department: School of Public Leadership

14123 Personal Conduct and Integrity

174 (20) Applied Personal Conduct and Integrity (HL)

This module focuses on the ability to shape the personal conduct of public officials through an understanding and application of the codes of good practice related to customer service, ethics and integrity in the workplace, the Batho Pele principles and general professionalism.

Home department: School of Public Leadership

13210 Public Accountability

161 (20) Public Accountability I (HL)

This module introduces students to the fundamental constructs of public service delivery and accountability for service delivery within the context of a developing society.

Home department: School of Public Leadership

261 (20) Public Accountability II (HL)

The aim of this module is to convey understanding to students around the major changes in the world in recent decades as a result of globalisation and the implications of these changes with respect to good governance and the creation of a capable well performing state.

Home department: School of Public Leadership

48003 Public and Development Management

114 (12) Orientation to Development, Society and State (3L)

Introduction to development, society and state as foci of development management. Themes include: contextualising development (evolution of development thinking, interdisciplinary nature, theories); institutional role players; development management and practices.

Home department: School of Public Leadership

144 (12) Public Management and Policy (3L)

This module will equip students with the knowledge and expertise required to deal with managerial tasks of the public manager within the public policy management and development environment. The module covers the nature of public policy, governance, development, sustainability and good policy practices (environmental, social, economic and political development).

Home department: School of Public Leadership

212 (8) Development Theory and Paradigms (1.5L)

Critical assessment of development theories and paradigms, including modernisation, modernity, dependency, post-development, post-modernism, sustainable development, feminism and critical modernism.

Home department: School of Public Leadership

222 (8) Governance (1.5L)

This module will focus on the contemporary governance arrangements and the role and macro-organisation of the State. This includes theories of the State, the moral and ethical bases of the State and multi-level governance at and between levels of the State.

Home department: School of Public Leadership

242 (8) Development Frameworks (1.5L)

As developing countries struggle to keep pace with the progress of technology and globalisation, they encounter many new challenges. These include increasing complexity and uncertainty; more individualisation and social diversity; expanding economic and cultural uniformity; degradation of ecosystem services, upon which economic and social development depends; and a greater vulnerability and exposure to technological and natural hazards. In light of this, sustainability-and-sustainable-development thinking provides students with the necessary conceptual understanding, values and skills required to adapt to these wicked problems. The aim of this module, therefore, is to provide students with the theoretical knowledge, skills and motivation to understand the key challenges and pathways to sustainable development – through engaging on a macro level with economic development that is socially inclusive and environmentally sustainable, within an African context.

Home department: School of Public Leadership

252 (8) The Public Policy Process (1.5L)

Studies public policy and developmental policy by analysing the process through which public policy is formulated, policy agenda setting, policy option generation, policy implementation, policy evaluation, policy impact assessment and policy change.

Home department: School of Public Leadership

314 (12) Development Management (1.5L)

Critical interrogation of contemporary development; introduction to development management; appraisal of the foundations and components of development management (community development, participation, empowerment and citizenship); alternatives to development proposed by social movements; reconsidering development and development management.

Prerequisite pass modules: Public and Development Management 114, 144, 212, 222, 242, 252

Home department: School of Public Leadership

324 (12) Public Management Strategies (1.5L)

This module explores the strategic nature and integrity of whatever is planned, executed and evaluated to achieve good governance, through a focus on:

Strategic function: definition, planning, execution and evaluation of the purpose of an initiative by means of strategic planning as well as programme and project management techniques;

Resources: strategies for utilisation of financial, human and information resources in serving the purpose; and

Structure: The utilisation of organisational development (OD) techniques to acquire the appropriate organisational framework by which the purpose is served.

Prerequisite pass modules: Public and Development Management 114, 144, 212, 222, 242, 252

Home department: School of Public Leadership

348 (24) Integrated Development, Policy and Management Theory and Practice Capstone (1.5L)

The study of topical issues in public and development management and integrated governance like, for example, issues concerning ethics, housing, public and private partnerships, alternative service delivery, organisational change, performance management and transformation and regulatory and environmental governance (capita selecta).

Prerequisite pass modules: Public and Development Management 114, 144, 212, 222, 242, 252

Home department: School of Public Leadership

13211 Public Financial Accounting

231 (20) Public Financial Accounting (HL)

This module introduces students to the fundamental constructs of public financial accounting and auditing, including the conceptual framework of Accounting; Generally Recognized Accounting Practices (GRAP); the accounting process; the preparation of public financial reports and audit planning and implementation.

Home department: School of Public Leadership

13795 Raising and Managing Capital

271 (10) Raising & Managing Capital (For more on the programme structure, see the Diploma in Sustainable Development in the chapter "Undergraduate Programmes" in this book.)

An introduction to financial planning and raising financial capital for social enterprises.

Home department: School of Public Leadership

14515 Regenerative Leadership

177 (10) Regenerative Leadership (For more on the programme structure, see the Diploma in Sustainable Development in the chapter "Undergraduate Programmes" in this book.)

This module focuses on Personal Leadership Development. The module is guided by the question, "What have I learnt about myself, and what do I do with this information?" The content centres on the emotional intelligence principles of self-awareness and self-management. Students will have opportunities to critically examine their own individual behaviour as it relates to both their academic and non-academic environments.

Students will become competent in professional communication through exploring verbal, non-verbal and written communication skills.

Students will improve their academic language proficiency by completing an online reading programme. Students will participate in a peer-to-peer mentorship programme to help them navigate the academic environment.

Home department: School of Public Leadership

278 (15) Regenerative Leadership (For more on the programme structure, see the Diploma in Sustainable Development in the chapter "Undergraduate Programmes" in this book.)

This module focuses on facilitation skills and leadership. The module is guided by the questions, "What am I seeing in other people?" and "What do I do with these observations?" The module content centres on the emotional intelligence principles of social awareness and relationship management.

Students will apply the theory of facilitation and develop their facilitation skills through the practical facilitation of group processes. Students will critically reflect on their own emotional intelligence and their skills as facilitators.

Home department: School of Public Leadership

379 (10) Regenerative Leadership (For more on the programme structure, see the Diploma in Sustainable Development in the chapter "Undergraduate Programmes" in this book.)

This module focuses on Mentorship and Leadership. The module is guided by the questions "What do people/communities want and need?" and, as such, "How can I help them achieve this?" The content centres on the emotional intelligence principles of self-performance, people performance and motivation.

Students will explore the concept of leadership and consolidate various leadership theories to ultimately identify their own personal leadership style that considers their values and personality traits.

In this module, students will have the opportunity to mentor first and/or second year students through a peer-to-peer mentorship programme.

Home department: School of Public Leadership

14527 Research Approaches

131 (15) Research Approaches (HL)

This module prepares students to undertake rigorous and credible research. It provides students with a practical understanding of academic tools and encompasses literature reviews, research approaches and data capturing. This module is presented online with one compulsory face-to-face (F2F) teaching block

Home department: School of Public Leadership

13796 Social Activation and Engagement

271 (15) Social Activation & Engagement (For more on the programme structure, see the Diploma in Sustainable Development in the chapter "Undergraduate Programmes" in this book.)

This module explores forms of collective behaviour, group dynamics, social movements and causes of social change.

Home department: School of Public Leadership

14518 Social Change

278 (15) Social Change (For more on the programme structure, see the Diploma in Sustainable Development in the chapter "Undergraduate Programmes" in this book.)

This module focuses on collective behaviour, group dynamics, social movements, revolutions, and other types of social change that shape the developmental agenda of the future. Students will investigate the changing role of state, civil society and business and how informality, incrementalism and social entrepreneurship contribute to social change, using case studies like Black Lives Matter and #FeesMustFall. Throughout, students will develop their abilities to facilitate positive social change.

Home department: School of Public Leadership

13786 Social Entrepreneurship

177 (20) Social Entrepreneurship (For more on the programme structure, see the Diploma in Sustainable Development in the chapter "Undergraduate Programmes" in this book.)

Students will be introduced to Social Entrepreneurship as both a practice and a process. As a practice, Social Entrepreneurship involves thought leadership that is focused on transformational change. Core concepts and principles that underpin the ethics of Social Entrepreneurship are introduced to help students build their self-understanding of passion and purpose towards change-agency in business and society.

Social Entrepreneurship is also a solution-orientated process. Students will develop a set of skills and competencies that are informed by the entrepreneurial mindset, specifically self-efficacy and the creative competencies that form the basis for ideation.

Home department: School of Public Leadership

271 (10) Social Entrepreneurship 1 (For more on the programme structure, see the Diploma in Sustainable Development in the chapter "Undergraduate Programmes" in this book.)

This module develops social entrepreneurship skills by exploring the theoretical business management content through a project-based learning approach.

Home department: School of Public Leadership

278 (40) Social Entrepreneurship (For more on the programme structure, the Diploma in Sustainable Development in the chapter "Undergraduate Programmes" in this book.)

In this module, students will be introduced to social entrepreneurship business tools such as the Lean Canvas business model and basic financial management. Building on the practice, purpose and process of the entrepreneurial mindset, students will explore group ideation processes that promote experimentation, iteration, and adaptation.

Home department: School of Public Leadership

371 (10) Social Entrepreneurship 2 (For more on the programme structure, the Diploma in Sustainable Development in the chapter "Undergraduate Programmes" in this book.)

This module develops critical skills for social enterprises, including impact measurement, governance and strategy frameworks.

Home department: School of Public Leadership

379 (40) Social Entrepreneurship (For more on the programme structure, the Diploma in Sustainable Development in the chapter "Undergraduate Programmes" in this book.)

In this module, students will be introduced to funding strategies and governance models for social enterprise and sustainable business. Building on the practice, purpose and process on the entrepreneurial mindset students will explore intrapreneurial thinking and professional development as a social entrepreneur.

Home department: School of Public Leadership

13785 Social Innovation and Entrepreneurship

271 (35) Social Innovation & Entrepreneurship 1 (For more on the programme structure, the Diploma in Sustainable Development in the chapter "Undergraduate Programmes" in this book.)

A year-long experiential journey in which students develop a set of skills and competencies that are required to conceive and start up social enterprises.

Home department: School of Public Leadership

371 (30) Social Innovation & Entrepreneurship 2 (For more on the programme structure, the Diploma in Sustainable Development in the chapter "Undergraduate Programmes" in this book.)

A year-long experiential journey in which students develop a set of skills and competencies that are required to conceive, start up and manage social enterprises.

Home department: School of Public Leadership

60771 Strategic Communication

177 (20) Strategic Communication (For more on the programme structure, the Diploma in Sustainable Development in the chapter "Undergraduate Programmes" in this book.)

This module introduces students to different ways of communicating (written, oral, visual expression). It introduces communication theories, builds critical reading and writing skills, improves presentation ability and encourages reflective thinking.

Home department: School of Public Leadership

278 (15) Strategic Communication (For more on the programme structure, the Diploma in Sustainable Development in the chapter "Undergraduate Programmes" in this book.)

This module puts into action knowledge concerning communication skills, framing messages, knowledge concerning target markets, and developing communication outputs. Students develop a communication strategy focused on a sustainability challenge and produce communication outputs related to the strategy.

Home department: School of Public Leadership

379 (15) Strategic Communication (For more on the programme structure, the Diploma in Sustainable Development in the chapter "Undergraduate Programmes" in this book.)

This module prepares students for working life by undertaking a real-life communications project for a social enterprise. Students deepen their critical and creative thinking abilities to develop a communications output (includes a publication component, basic website and video) to a client brief. Students conceptualise a communication strategy and incorporate client feedback in the corresponding communication output.

Home department: School of Public Leadership

14525 Sustainability in the Digital Age

111 (30) Sustainability in the Digital Age (HL)

This module introduces students to the role information and communication technologies can play to either achieve or subvert the global commitment to sustainable development. Within this context, the emergence and consolidation of principles and codes for responsible investing and impact investing are explored. The practical component of this module focuses on strategies and techniques deployed by "tech-entrepreneurs". This module is presented online with two compulsory face-to-face (F2F) teaching blocks.

Home department: School of Public Leadership

14514 Sustainability Perspectives

177 (20) Sustainability Perspectives (For more on the programme structure, the Diploma in Sustainable Development in the chapter "Undergraduate Programmes" in this book.)

This module introduces sustainable development by exploring the narratives and paradigms that have shaped the concept of sustainability. Students will be able to describe various interpretations of sustainable development, with a focus on Afrocentric perspectives.

Environmental, social and economic nexus points will be used to explore the interconnectedness of local and global crises. This allows students to develop a comprehensive understanding of sustainability that can inform individual action for change.

Home department: School of Public Leadership

14520 Sustainability Reporting

379 (15) Sustainability Reporting (For more on the programme structure, the Diploma in Sustainable Development in the chapter "Undergraduate Programmes" in this book.)

Sustainability reporting facilitates the social and environmental impact of organisations. In this module, sustainability reporting is presented as a tool for risk identification, increasing transparency and accountability where traditional financial reporting is insufficient. Theory of Change is introduced as a process for planning, participation, and evaluation to promote social change within organisations.

Home department: School of Public Leadership

13763 Sustainable Design

177 (20) Sustainable Design (For more on the programme structure, the Diploma in Sustainable Development in the chapter "Undergraduate Programmes" in this book.)

This module explores various aspects of design, and the impact design has on socio-ecological systems. Students will be introduced to different design disciplines relating to sustainable design. Permaculture design, biomimicry and design thinking methodologies will be used to generate ideas for sustainable solutions.

Home department: School of Public Leadership

278 (20) Sustainable Design (For more on the programme structure, the Diploma in Sustainable Development in the chapter "Undergraduate Programmes" in this book.)

This module investigates complex networks within urban systems. Students will use a design thinking approach to investigate urban sustainability challenges in their context before prototyping and testing simple solutions.

An urban sustainability approach is used to investigate strategies for building sustainable cities. Innovations in waste, energy, transport and water systems will be reviewed.

Home department: School of Public Leadership

13763 Sustainable Design Technologies

271 (15) Sustainable Design Technologies 2 (For more on the programme structure, the Diploma in Sustainable Development in the chapter "Undergraduate Programmes" in this book.)

This module investigates complex networks within a designed world-system by studying urban systems.

Home department: School of Public Leadership

13783 Sustainable Development Internship

371 (40) Sustainable Development Internship (For more on the programme structure, the Diploma in Sustainable Development in the chapter "Undergraduate Programmes" in this book.)

The internship programme involves at least 200 contact hours at an organisation/company that works towards a Sustainable Development Goal.

Home department: School of Public Leadership

13784 Sustainable Reporting, Monitoring and Evaluation

371 (10) Sustainability Reporting, Monitoring & Evaluation (For more on the programme structure, the Diploma in Sustainable Development in the chapter "Undergraduate Programmes" in this book.)

This module provides a broad set of monitoring, evaluation and reporting skills to meet the growing demand for such skills in the South African non-profit, private and public sectors.

Home department: School of Public Leadership

14517 Worldviews

177 (15) Worldviews (For more on the programme structure, the Diploma in Sustainable Development in the chapter "Undergraduate Programmes" in this book.)

This module introduces different worldviews, belief systems and ethics as "ways of knowing" and then explores how these "ways of knowing" affect different understandings of, and practices in, global development. This includes topics like environmental ethics, decolonisation and feminism. This allows students to explore similarities and differences in how people make meaning, assign value and arrange themselves in social and political units. These explorations provide perspective and global self-awareness that will allow students to navigate developmental agendas meaningfully across differences in a South African and global context.

Home department: School of Public Leadership

SU Language Centre

14220 Professional Communication for EMS

144 (6) Professional Communication for EMS (2L)

This module will focus on effective professional communication for business. The overarching themes informing the development of faculty and industry relevant skills incorporate ethical communication, collaborative writing and a foundational argumentative methodology. Academic and professional writing skills will be developed by focusing on industry-specific documents such as reports, correspondence and presentations. Appropriate tone, style and authoritative referencing will underpin the documents produced.

Home department: Language Centre

Faculty of Economic and Management Sciences

11569 Academic Literacy for Economic and Management Sciences

111 (12) Academic Literacy for Economic and Management Sciences (4L, 2T)

The focus of this module is to promote academic literacy for economics with an economic thought approach (to think like economists). Students are provided with the opportunity: to use economics to solve meaningful problems and understand the art of the logic of economics; to practise the skills and analysis that are fundamental to participating in economics debate and decision-making; to apply basic critical thinking skills through critical listening, reading and writing of economics texts (i.e. deductive reasoning, analyse economic policies, construct arguments and support them, interpret different kinds of economic text (i.e. Adam Smith; Popper, Malthus)); understand academic vocabulary, interpret the use of analogies and metaphors in the context of social coordination, individualism, self-interest; understand the market as a system; understand voluntary exchange, profit, process and incentives, to read and interpret information presented in graphic or visual format (demand and supply curves); to explain their thinking and constructively critique the thinking of others; to focus on organising information logically; select important information and reduce it to a form that is easy to study and review.

Students will further acquire the basic knowledge, skills and attitudes to become successful EMS students by understanding the university ethos, by developing academic readiness and personal management skills such as study, time and stress management.

HomeFaculty: Faculty of Economic and Management Sciences

12298 Introduction to Economics

141 (12) Introduction to Economics (4L, 2T)

The focus of this module is to provide a comprehensive introduction to microeconomics in general, set against a contemporary South African background. Students will learn how to apply microeconomic principles to a wide variety of real-world situations in both their personal and professional life. Deeper understanding and working knowledge of the following basic fundamental microeconomic concepts will be provided: what economics is about; the three central economic questions; how different economies answer these questions; how the economy functions as a whole; what drives the economy.

Home Faculty: Faculty of Economic and Management Sciences

11580 Mathematics for EMS

171 (18) Mathematics for EMS (3L, 2T)

The focus of this module is to provide a foundation and promote deeper understanding and working knowledge of the following basic fundamental Mathematics concepts: pre-calculus review; straight lines, linear functions and linear programming with an emphasis on shadow prices and sensitivity analysis; financial mathematics that extensively covers simple interest, compound interest involving time-lines, interest-discount rate conversions and annuities; sets and counting techniques; probability; functions, limits and the derivative; differentiation; applications of the derivative with an emphasis on the optimisation of cost, revenue and profit functions; antiderivatives (integrals) of power functions only in relation to areas under curves.

Home Faculty: Faculty of Economic and Management Sciences

Research and Service Bodies

1. Africa Centre for HIV/AIDS Management

The Africa Centre for HIV/AIDS Management focusses on education, research, and community service related to HIV and AIDS management in the world of work. The Centre offers the most comprehensive postgraduate training programmes on HIV and AIDS management in the world, with students from more than 40 countries successfully completing these programmes over the last 19 years.

Website: www.aidscentre.sun.ac.za

Contact person: Ms Anja Laas

E-mail address: aids@sun.ac.za

2. African Centre for Development Finance (ACDF)

ACDF is a research, education and service centre. It conducts theoretical and empirical research, as well as policy-oriented investigations responding to current challenges in financial development and economic policy. It also undertakes projects and consultancy services commissioned by clients in the private and public sectors; provides non-degree programs in development finance areas for public and private financial institutions as part of capacity building in Africa; and liaises with international financial institutions, development banks, microfinance institutions and consulting companies operating in the development finance milieu. The Centre is situated at the Stellenbosch Business School and is aligned with Stellenbosch Business School's Development Finance programme.

Website: www.usb.ac.za/research-centres/african-centre-for-development-finance/

Contact person: Dr Lwanga Elizabeth Nanziri

E-mail address: elizabethn@usb.ac.za

3. Anti-Corruption Centre for Education and Research of Stellenbosch University (ACCERUS)

ACCERUS specialises in anti-corruption education and training and has developed a number of educational and skills training courses that are accredited by the Higher Education Quality Committee (HEQC). These courses offer knowledge, awareness, skills and the strategies necessary to introduce and enforce effective anti-corruption programmes in typical public sector organisations, and are also relevant to the private sector.

Website: www.sun.ac.za/english/faculty/economy/spl/centres-institutes/accerus

Contact person: Prof Pregala Pillay

E-mail address: pregala@spl.sun.ac.za

4. Bureau for Economic Research (BER)

The Bureau for Economic Research is an economic research institution. It monitors and forecasts economic trends and identifies and analyses factors, both locally and internationally, that affect South African businesses. The BER's respected economic analysis and forecasting services are used by a wide range of clients – from small- and medium-sized firms to very large JSE-listed companies – as well as public sector bodies and non-governmental organisations.

Website: www.ber.ac.za

Contact person: Prof Johann Kirsten

E-mail address: jkirsten@sun.ac.za

5. Centre for Competition Law and Economics

The Centre for Competition Law and Economics is a research unit in the Department of Economics. It is tasked with advancing research and training in relation to competition policy. The Centre hosts a variety of postgraduate students, international academic affiliates and local law and economics scholars with shared research interests in industrial organisation and competition policy. The Centre regularly hosts research events and provides public commentary on developments relating to competition policy in South Africa and beyond. It also provides inputs into processes in this area.

Website: <https://ccle.sun.ac.za>

Contact person: Prof Willem Boshoff

E-mail address: wimpie2@sun.ac.za

6. Centre on Conflict and Collaboration

The Centre on Conflict and Collaboration at Stellenbosch Business School is a hub for research and reflection on conflict prevention and conflict resolution. It develops tools, data, analysis and frameworks for better understanding of the nexus between private sector development, conflict and human security. It partners with business, government, labour and local communities to reduce the costs associated with conflict and increase opportunities for collaboration. It aims to achieve transformation in the next generation of dispute resolution practitioners and scholars.

Website: www.usb.ac.za/research-centres/africa-centre-for-dispute-settlement/

Contact person: Prof Brian Ganson

E-mail address: brian.ganson@usb.ac.za

7. Centre for Corporate Governance

The Centre for Corporate Governance conducts multi-disciplinary research and offers educational and development activities to improve the effectiveness of corporate governance in African organisations. The Centre focuses on the development of the compliance and performance aspects of directors' attitudes, knowledge and skills, as well as on the link between corporate governance, business ethics and total organisational performance.

The Centre is situated at the Stellenbosch Business School.

Website: www.usb.ac.za/research-centres/centre-for-corporate-governance-in-africa

Contact person: Surita Basson

E-mail address: sbasson@sun.ac.za

8. Centre for Local Governance (CLG)

The Centre for Local Governance (CLG) at Stellenbosch University facilitates teaching, research, development, and renders advisory services in the broad field of good governance, leadership, and general management, for the purpose of enhancing local government service delivery in South Africa. The work of the Centre included research, community interaction, and training in matters relating to local government to support performance of local government through research, innovation, training and community interaction.

The Centre is situated at the School of Public Leadership.

Website: www.sun.ac.za/english/faculty/economy/spl/centres-institutes/clg

Contact person: Johnny Douglas

E-mail address: johnnyd@spl.sun.ac.za

9. Centre for Multi-dimensional Data Visualisation (MuViSU)

The Centre for Multi-dimensional Data Visualisation (MuViSU) aims to:

- extend multi-dimensional visualisation methodology and related techniques, such as biplots, through theoretical developments
- better apply newly derived techniques to data sets originating from various fields and
- develop, maintain and improve software for constructing all necessary graphical displays and for performing various multi-dimensional visualisation-based techniques.

The Centre is situated in the Department of Statistics and Actuarial Science.

Website: www.sun.ac.za/english/faculty/economy/MuViSU/Pages/default.aspx

Contact person: Prof Sugnet Lubbe

E-mail address: slubbe@sun.ac.za

10. Centre for Responsible Leadership Studies (Africa)

The Centre is rooted in Africa, with a service offering that has practical relevance and stature in both African and global contexts.

Based on research, it is leadership that makes a difference in organisational performance. Responsible leadership is acknowledged as the prime driver of a culture of high performance. The qualifying term "responsible" attached to "leadership" describes a generic quality of all leadership forms and styles, and does not refer to a specific kind of leadership. Hence, it is inclusive of all leadership styles. It refers to the leadership and management of oneself, others, organisations and institutions, and their interactions with one another and with society. This is done in a way that responds to all stakeholders' concerns, and does so in a morally accountable manner.

This Centre promotes knowledge of responsible leadership in order to enhance leadership for sustainable organisational and institutional effectiveness, especially in Africa. This includes:

- Generating knowledge in the field of leadership, especially responsible leadership
- Developing and delivering need-specific leadership offerings
- Developing responsible leaders and responsible leadership
- Expanding networks and disseminating knowledge about responsible leadership.

Website: www.usb.ac.za/research-centres/

Contact person: Prof Mias de Klerk

E-mail address: mias@usb.ac.za

Contact number: 021 918 4381

11. Centre for Statistical Consultation

This Centre for Statistical Consultation assists researchers and postgraduate students with statistical aspects of their research, including the calculation and interpretation of results.

For more information, visit the Centre's website at www.sun.ac.za/english/research-innovation/csc, or e-mail Prof Martin Kidd at mkidd@sun.ac.za.

Website: www.sun.ac.za/english/research-innovation/csc

Contact person: Prof Martin Kidd

E-mail address: mkidd@sun.ac.za

12. Centre for Sustainability Transitions (CST)

The Centre for Sustainability Transitions conducts inter- and transdisciplinary research on sustainability transitions, specifically from an African perspective. The Centre co-produces transformational knowledge on the dynamics of multi-scale social-ecological change in partnership with key stakeholders. The Centre provides strategic insights into new modes of research and governance that can bring about a just transition to a more equitable and sustainable society, in southern Africa and globally. A national, regional and continental hub, the Centre is recognised internationally for supporting sustainability transitions on the African continent, drawing on core expertise in the areas of complexity, sustainability, resilience and social-ecological systems.

Website: www0.sun.ac.za/cst/

E-mail address: cstenquiries@sun.ac.za

13. Institute for Futures Research (IFR)

The Institute for Futures Research is a research institution uniquely positioned to assist decision-makers and strategic planners in initiating and managing medium- to long-term change. It prepares and supports organisations to implement effective strategic planning and lead them to envision and realise their future. The Institute is internationally recognised for its research and teaching in futures studies.

The Centre is situated at the Stellenbosch Business School.

Website: www.ifr.sun.ac.za

Contact person: Ms Doris Viljoen

E-mail address: future@usb.ac.za

Appendix A

Undergraduate prerequisite, corequisite and prerequisite pass modules

PP - Prerequisite pass module

- A prerequisite pass module is a module that you must **pass** before you can take the module(s) for which it is a prerequisite pass module.

P - Prerequisite module

- A prerequisite module is a module in which you must obtain a **final mark of at least 40**, before you can take the module for which it is a prerequisite module. If you registered for a prerequisite module while it was examined by the "examination" assessment system, your **class mark** for it must be 40 for you to meet the prerequisite.
- If you have once complied with a prerequisite rule, your compliance will remain valid for the period given in the applicable assessment rules, even if you repeat the prerequisite module and do not meet the minimum level when repeating the module.
- *Please note:* You must **pass** all the modules you used as prerequisites in the programme before the relevant degree, certificate or diploma can be awarded to you.

C - Corequisite module

- A corequisite module is a module that you must register for in an **earlier semester** than the module for which it is a corequisite, **or in the same semester**.
- *Please note:* You must **pass** all the modules you used as corequisites in the programme before the relevant degree, certificate or diploma can be awarded to you.

Please note:

If (with or without permission) you enrol for a specific module in any academic year, while you do not meet its prerequisite, corequisite and prerequisite pass requirements, it does not necessarily follow that you will be allowed to do so again in a following academic year.

The tables below list, on the right, the prerequisite, corequisite and prerequisite pass modules for the modules on the left. The tables appear in **alphabetical order according to subject area**.

Computer Science Division

Computer Science 113	C Actuarial Science 112 C Mathematics 114
Computer Science 114	C Mathematics 114
Computer Science 144	P Computer Science 113 or 114
Computer Science 214	PP Computer Science 144 P Mathematics 114
Computer Science 244	P Computer Science 214
Computer Science 313	P Computer Science 214, 244
Computer Science 314	P Computer Science 214, 244 <i>For programmes in Engineering:</i> P Computer Science E 214 P Computer Systems 245
Computer Science 315	P Computer Science 144 or Computer Science E214 P Mathematical Statistics 245 and 246 or Systems and Signals 344 P Mathematics 214 or Applied Mathematics 214 or Engineering Mathematics 214
Computer Science 343	P Computer Science 214 <i>For programmes in Engineering:</i> P Computer Science E 214 P Computer Systems 245
Computer Science 344	P Computer Science 214

Department of African Languages

Basic Xhosa 144	P Basic Xhosa 114
-----------------	-------------------

Department of Agricultural Economics

Agricultural Economics 242	P Economics 114
Agricultural Economics 314	P Agricultural Economics 242
Agricultural Economics 364	P Agricultural Economics 242

Department of Business Management

Entrepreneurship and Innovation Management 214	C Business Management 113
Entrepreneurship and Innovation Management 244	C Business Management 113 P Entrepreneurship and Innovation Management 214
Entrepreneurship and Innovation Management 318	P Entrepreneurship and Innovation Management 214 or 244
Entrepreneurship and Innovation Management 348	P Entrepreneurship and Innovation Management 214 or 244
Financial Management 214	C Business Management 113 C Business Management 142 or Mathematics 114 or Mathematics (Bio) 124
Financial Management 244	C Financial Management 214
Financial Management 314	C Financial Management 214 C Financial Management 244 or Investment Management 254
Financial Management 332	C Financial Management 214 C Financial Management 244 or Investment Management 254
Financial Management 352	C Financial Management 214 C Financial Management 244 or Investment Management 254
Financial Management 354	C Financial Management 214 C Financial Management 244 or Investment Management 254
Financial Planning 314	C Financial Management 214 P Investment Management 254
Financial Planning 344	C Financial Management 214 C Financial Planning 314 PP Investment Management 254
Investment Management 254	C Business Management 113 P Business Management 142 P Statistics and Data Science 188 or P Probability Theory and Statistics 114 or 144
Investment Management 314	P Investment Management 254 PP Statistics and Data Science 188 or PP Probability Theory and Statistics 114 or 144
Investment Management 324	P Investment Management 254 PP Statistics and Data Science 188 or PP Probability Theory and Statistics 114 or 144
Investment Management 344	P Investment Management 254 PP Statistics and Data Science 188 or PP Probability Theory and Statistics 114 or 144
Investment Management 348	C Financial Management 214 or C Financial Accounting 178 or 188 PP Statistics and Data Science 188 or PP Probability Theory and Statistics 114 or 144
Investment Management 354	C Investment Management 254 PP Statistics and Data Science 188 or PP Probability Theory and Statistics 114 or 144

Management of Corporate Social Responsibility 314*	P Business Management 113
Marketing Management 214	C Business Management 113 C Financial Management 214 <i>or</i> C Financial Accounting 278 <i>or</i> 288 <i>or</i> C Biometry 212
Marketing Management 244	P Marketing Management 214
Marketing Management 314	P Marketing Management 214
Marketing Management 324	P Marketing Management 214
Marketing Management 344	P Marketing Management 214, 244 P Probability Theory and Statistics 144 <i>or</i> P Statistics and Data Science 188
Marketing Management 354	P Marketing Management 214, 244
Strategic Management 344*	C Business Management 113 <i>(not applicable if you are a Forest Science student)</i>

* If you are an international student and want to register for this module you need to present evidence of having successfully completed a sufficient number of Business Management-related modules at first, second and third-year levels.

Department of Economics

Economics 144	C Economics 114
Economics 214	PP Economics 114, 144
Economics 244	PP Economics 114, 144 C Economics 214
Economics 281	PP Economics 114, 144 <i>or</i> 288
Economics 318	PP Economics 214 P Economics 244
Economics 348	PP Economics 214 P Economics 244 C Economics 318
Economics 381	P Economics 214, 244 <i>or</i> 281
Economics 388	PP Economics 214 P Economics 244 C Economics 318

Department of Industrial Psychology

Industrial Psychology 314	C Industrial Psychology 144
Industrial Psychology 324	C Industrial Psychology 144

Department of Information Science

Information Systems Management 314	P Information Systems Management 224
Information Systems Management 354	P Information Systems Management 254 P Information Systems Management 314 P Information Systems Management 334

Department of Logistics

Business Analytics 214	PP Statistics and Data Science 188 <i>or</i> PP Probability Theory and Statistics 114 <i>or</i> 144
Business Analytics 244	PP Statistics and Data Science 188 <i>or</i> PP Probability Theory and Statistics 114 <i>or</i> 144
Business Analytics 318	PP Statistics and Data Science 188 <i>or</i> PP Probability Theory and Statistics 114 <i>or</i> 144
Business Analytics 348	PP Statistics and Data Science 188 <i>or</i> PP Probability Theory and Statistics 114 <i>or</i> 144
Logistics and Supply Chain Management 214	P Business Management 113

Logistics and Supply Chain Management 244	PP Business Management 113 PP Logistics and Supply Chain Management 214
Logistics and Supply Chain Management 314	PP Logistics and Supply Chain Management 214, 244 PP Statistics and Data Science 188 or PP Probability Theory and Statistics 114 or 144 P Economics 114, 144 <i>(You may not take any third-year Logistics and Supply Chain Management modules in combination with Financial Accounting 389.)</i>
Logistics and Supply Chain Management 324	PP Logistics and Supply Chain Management 214, 244 PP Statistics and Data Science 188 or PP Probability Theory and Statistics 114 or 144 P Economics 114, 144 <i>(You may not take any third-year Logistics and Supply Chain Management modules in combination with Financial Accounting 389.)</i>
Logistics and Supply Chain Management 344	P Logistics and Supply Chain Management 314, 324 <i>(You may not take any third-year Logistics and Supply Chain Management modules in combination with Financial Accounting 389.)</i>
Logistics and Supply Chain Management 354	P Logistics and Supply Chain Management 314, 324 <i>(You may not take any third-year Logistics and Supply Chain Management modules in combination with Financial Accounting 389.)</i>
Operations Research 214	P Mathematics 114, 144
Operations Research 244	P Mathematics 114 PP Mathematics 144
Operations Research 314	P Operations Research 244
Operations Research 322	PP Probability Theory and Statistics 114 or 144
Operations Research 344	P Operations Research 244
Operations Research 352	P Mathematics 114, 144
Project Management 314	<i>This module may only be followed by final-year students.</i>
Transport Economics 214	P Economics 114, 144
Transport Economics 244	P Transport Economics 214 P Economics 114, 144
Transport Economics 318	PP Economics 114, 144 PP Transport Economics 214 PP Transport Economics 244
Transport Economics 348	PP Economics 114, 144 PP Transport Economics 244

Department of Mercantile Law

Law of Taxation 411	C Mercantile Law 471
Mercantile Law 311	C Private Law 372
Mercantile Law 312	C Private Law 372
Mercantile Law 471	P Mercantile Law 311 and 312 P Private Law 372
Mercantile Law (Acc) 292	P Mercantile Law (Acc) 193
Mercantile Law (Commerce) 253	PP Mercantile Law (Acc) 193

Department of Private Law

Law of Civil Procedure 371	PP Private Law 171
Legal Skills 411	PP Private Law 372, 373
Private Law 171	C Introduction to Law 171
Private Law 272	PP Private Law 171 P Introduction to Law 171 C Private Law 273
Private Law 273	PP Private Law 171 P Introduction to Law 171 C Private Law 272

Private Law 372	PP Introduction to Law 171 PP Private Law 272, 273 P Roman Law 271 C Constitutional Law 271 C Private Law 373
Private Law 373	PP Introduction to Law 171 PP Private Law 272, 273 P Roman Law 271 C Constitutional Law 271 C Private Law 372
Private Law 411	PP Private Law 372
Roman Law 271	C Private Law 272, 273

Department of Psychology

Psychology 213	PP Psychology 114, 144
Psychology 223	PP Psychology 114, 144
Psychology 243	PP Psychology 114, 144
Psychology 253	PP Psychology 114, 144
Psychology 314	Three of the following: PP Psychology 213, 223, 243, 253
Psychology 324	Three of the following: PP Psychology 213, 223, 243, 253
Psychology 348	Three of the following: PP Psychology 213, 223, 243, 253

Department of Public Law

Administrative Law 411	PP Constitutional Law 271 P Constitutional Law 312
Constitutional Law 271	P Introduction to Law 171 <i>(except if you follow the three-year postgraduate LLB programme)</i>
Constitutional Law 312	PP Constitutional Law 271
International Law 341	P Constitutional Law 271
Interpretation of Enacted Law 211	P Introduction to Law 171 <i>(except if you follow the three-year postgraduate LLB programme)</i> C Constitutional Law 271
Law of Criminal Procedure 271	P Criminal Law 171
Law of Evidence 471	PP Constitutional Law 271 P Law of Criminal Procedure 271

Department of Statistics and Actuarial Science

Actuarial Science 142	PP Mathematics 114 with a final mark of at least 60% PP Actuarial Science 112 C Probability Theory and Statistics 144
Actuarial Science 211	PP Mathematics 114 and 144 with an average final mark of at least 60% PP Probability Theory and Statistics 144 with a final mark of at least 65% PP Actuarial Science 112 C Mathematics 214 C Mathematical Statistics 214
Actuarial Science 241	PP Actuarial Science 112, 211 PP Mathematics 114 and 144 with an average final mark of at least 60%, 214 PP Probability Theory and Statistics 144 with a final mark of at least 65% PP Mathematical Statistics 214 C Actuarial Science 142 C Mathematics 244 C Mathematical Statistics 245, 246
Actuarial Science 311	PP Actuarial Science 112, 142, 211, 241 PP Mathematical Statistics 214, 245, 246 PP Mathematics 214, 244

Actuarial Science 341	PP Actuarial Science 112, 142, 211, 241 PP Mathematical Statistics 214, 245, 246 PP Mathematics 214, 244
Actuarial Science 371	PP Actuarial Science 112, 142, 211, 241 PP Mathematical Statistics 214, 245, 246 PP Mathematics 214, 244 C Actuarial Science 311 C Mathematical Statistics 312, 316, 344, 364
Data Science 241	PP Data Science 141
Data Science 314	PP Data Science 241 PP Mathematical Statistics 245 PP Mathematical Statistics 246
Data Science 344	PP Data Science 314 PP Mathematical Statistics 312
Financial Risk Management 212	PP Mathematics 114, 144 PP Probability Theory and Statistics 144 PP Theory of Interest 152 <i>or</i> PP Actuarial Science 112 C Actuarial Science 211 C Mathematical Statistics 214
Financial Risk Management 242	PP Mathematics 114, 144 PP Probability Theory and Statistics 144 PP Theory of Interest 152 <i>or</i> PP Actuarial Science 112 P Financial Risk Management 212 C Actuarial Science 211 C Mathematical Statistics 214, 245, 246
Financial Risk Management 252	PP Actuarial Science 112 PP Mathematics 114, 144 PP Probability Theory and Statistics 144 C Actuarial Science 211 C Financial Risk Management 212, 242 C Mathematics 214, 244 C Mathematical Statistics 214, 245, 246
Financial Risk Management 314	PP Financial Risk Management 212, 242, 252 PP Mathematics 214, 244 PP Mathematical Statistics 214, 245, 246 C Actuarial Science 211
Financial Risk Management 344	P Financial Risk Management 314
Engineering Statistics 314	PP Engineering Mathematics 115, 145
Mathematical Statistics 214	PP Mathematics 114, 144 with an average mark of at least 60% PP Probability Theory and Statistics 114 <i>or</i> 144
Mathematical Statistics 245	PP Mathematical Statistics 214
Mathematical Statistics 246	PP Mathematical Statistics 214
Mathematical Statistics 312	PP Mathematical Statistics 245 P Mathematical Statistics 246 with a final mark of at least 40% P Mathematics 214
Mathematical Statistics 316	PP Mathematical Statistics 246 P Mathematical Statistics 245 with a final mark of at least 40% P Mathematics 214, 244
Mathematical Statistics 344	P Mathematical Statistics 312, 316
Mathematical Statistics 364	P Mathematical Statistics 312, 316
Statistics 214	PP Statistics and Data Science 188 <i>or</i> PP Probability Theory and Statistics 114 <i>or</i> 144 C Statistics 224 (<i>If you have passed Mathematics 114 or 144, you are exempt from this.</i>)
Statistics 224	PP Statistics and Data Science 188

Statistics 244	PP Statistics 214 <i>and</i> P Statistics 224
Statistics 318	PP Statistics 214, 224, 244 <i>or</i> PP Mathematical Statistics 214, 245, 246
Statistics 348	P Statistics 318

Mathematics Division

Applied Mathematics 144	P Mathematics 114 C Mathematics 144
Financial Mathematics 378	PP Mathematics 214, 244 P Mathematical Statistics 214, 245, 246
Mathematics 144	P Mathematics 114
Mathematics 214	PP Mathematics 114, 144
Mathematics 244	P Mathematics 214
Mathematics 314	PP Mathematics 214, 244
Mathematics 324	PP Mathematics 214, 244
Mathematics 344	PP Mathematics 214, 244 <i>or</i> equivalent modules
Mathematics 345	PP Mathematics 114, 144 <i>or</i> equivalent modules
Mathematics 365	PP Mathematics 214, 244

School of Accountancy

Auditing 288	P Financial Accounting 178 <i>or</i> 188 <i>or</i> 179
Auditing 378	P Auditing 288 C Financial Accounting 278 <i>or</i> 288
Auditing 388	P Financial Accounting 178 <i>or</i> 188 <i>or</i> 179
Digital and Leadership Acumen 152	PP Information Systems 144 <i>or</i> Digital and Leadership Acumen 122.
Digital and Leadership Acumen 242	C Financial Accounting 178 <i>or</i> 188 <i>or</i> 179 PP Information Systems 114 <i>or</i> Digital and Leadership Acumen 142.
Digital and Leadership Acumen 324	C Financial Accounting 278 P Auditing 288 P Information Systems 144 <i>or</i> both Digital and Leadership Acumen 122 and 152.
Financial Accounting 278	PP Financial Accounting 178 <i>or</i> 188 <i>or</i> 179 <i>(For Financial Accounting 188 and 179 you must pass an internal Financial Accounting test as required by the School.)</i>
Financial Accounting 288	PP Financial Accounting 178 <i>or</i> 188 <i>or</i> 179
Financial Accounting 379	PP Financial Accounting 278 <i>or</i> PP Financial Accounting 389 <i>(In the case of Financial Accounting 389, you must achieve a final mark of 55%)</i>
Financial Accounting 389	PP Financial Accounting 278 <i>or</i> 288 <i>(You may not take any third-year Logistic Management modules in combination with Financial Accounting 389.)</i>
Information Systems 214	C Management Accounting 278 <i>or</i> 288
Information Systems 242	C Financial Accounting 178 <i>or</i> 188 <i>or</i> 179 PP Information Systems 114 <i>or</i> Digital and Leadership Acumen 142.
Management Accounting 278	PP Financial Accounting 178 <i>or</i> 188 <i>or</i> 179 <i>(For Financial Accounting 188 and 179 you must pass an internal Financial Accounting test as required by the School.)</i> C Financial Accounting 278 <i>or</i> 288
Management Accounting 288	PP Financial Accounting 188 <i>or</i> 179 <i>or</i> P Financial Accounting 178

Management Accounting 378	PP Financial Accounting 278 or PP Management Accounting 388 <i>(In the case of Management Accounting 388, you must achieve a final mark of 55%.)</i> P Management Accounting 278 <i>(This prerequisite module does not apply if you have passed Management Accounting 388.)</i>
Management Accounting 388	PP Financial Accounting 278 or 288 P Management Accounting 278 or 288
Taxation 298	PP Financial Accounting 178 or 188 or 179 <i>(For Financial Accounting 188 and 179 you must pass an internal Financial Accounting test as required by the School.)</i> C Financial Accounting 278
Taxation 388	S Financial Accounting 178 or 188 or 179
Taxation 399	PP Financial Accounting 278 P Taxation 298

School of Public Leadership

Public and Development Management 314	PP Public and Development Management 114, 144, 212, 222, 242, 252
Public and Development Management 324	PP Public and Development Management 114, 144, 212, 222, 242, 252
Public and Development Management 348	PP Public and Development Management 114, 144, 212, 222, 242, 252

Appendix B

Undergraduate module requirements for postgraduate programmes

The table below shows 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. Having passed the relevant modules, does not guarantee that you will be admitted to the relevant postgraduate programme. Each programme may have further specific selection criteria, and these may vary depending on the pool of applications for the programme. This table is therefore meant merely as a guideline to help you choose your undergraduate modules. It is ordered alphabetically.

PGDip (Accounting)	<ul style="list-style-type: none"> • Weighted average final mark of 60% for: <ul style="list-style-type: none"> ○ Financial Accounting 379; ○ Management Accounting 378; ○ Auditing 378 and ○ Taxation 399 <i>or</i> • Weighted average final mark of 55% for: <ul style="list-style-type: none"> ○ Financial Accounting 379; ○ Management Accounting 378; ○ Auditing 378 and ○ Taxation 399 <i>and</i> ○ A final mark of 55% for Financial Accounting 379
BAccHons	<ul style="list-style-type: none"> • Weighted average final mark of 75% for: <ul style="list-style-type: none"> ○ Financial Accounting 379; ○ Management Accounting 378; ○ Auditing 378 and ○ Taxation 399
BComHons (Actuarial Science)	<ul style="list-style-type: none"> • A BCom (Actuarial Science) or equivalent degree with Actuarial Science and Mathematical Statistics as majors; • Passes in university modules equivalent to at least six of the seven foundation and intermediate technical subjects of the Actuarial Society of South Africa (or core principles subjects of the Institute and Faculty of Actuaries); and • Exemptions from (or passes in the profession's examinations for) at least five of the foundation technical and intermediate technical examinations of the Actuarial Society of South Africa (or core principles examinations of the Institute and Faculty of Actuaries). Your five subjects must include at least A211 or A213 (CM1). <p><i>Please note:</i></p> <ol style="list-style-type: none"> 1. If you did not complete your bachelor's degree in the minimum time of three years, you must have an additional exemption for each additional year. 2. If you only have four exemptions (after a three-year bachelor's) or five exemptions (after a four-year bachelor's) you may be considered for an extended (two-year) honours programme. 3. It is expected that you should have an average mark for both third-year Actuarial Science and third-year Mathematical Statistics of at least 60%.

BComHons (Business Management with specialisation areas) *	
* <i>Please note:</i> You must obtain a minimum average of 60% to be considered for the honours programme, regardless of the number of credits specified for each specialisation area.	
<i>Financial Analysis</i>	<ul style="list-style-type: none"> • Average of 65% for the 60 credits from Investment Management 314(12), 324(12), 344(12), 348(12), 354(12). • Financial Management 314 and 332 are prerequisite pass modules for Financial Management 713.
<i>Financial Management</i>	<ul style="list-style-type: none"> • Financial Management 314(12), 332(12), 352(12), 354(12)* • Financial Management (Research) 352(12) is a prerequisite pass module for BComHons (Business Management: Specialisation in Financial Management 778)
<i>Marketing Management</i>	<ul style="list-style-type: none"> • Marketing Management 314(12), 324(12), 344(12), 354(12).* • Marketing Management (Marketing Research) 344(12) is a prerequisite pass module for BComHons (Business Management: Specialisation in Marketing Management 778). • Consumer Behaviour 224(16) is a prerequisite pass module for Consumer Psychology 721.
<i>Strategy and Innovation</i>	<ul style="list-style-type: none"> • Entrepreneurship and Innovation Management 318(24), 348(24) and Strategic Management 344(12).* • Strategic Management 344 is a pass requirement. • Financial Management (Research) 352(12) or Marketing Management (Marketing Research) 344(12) is a prerequisite pass module for BComHons (Business Management: Specialisation in Strategy and Innovation 778)
BComHons (Economics)	<ul style="list-style-type: none"> • Bachelor's degree with minimum pass requirement of 60% in Economics 318 and 348. • Minimum 60% pass requirement in the intensive Mathematics course that precedes the formal honours programme. • Grade 12 Mathematics at least 60%.
BComHons (Economics and Mathematical Statistics)	<ul style="list-style-type: none"> • Selection to the BComHons in Economics and Mathematical Statistics has to be made by both the Department of Economics (minimum pass requirement of 65% in Economics 318 and 348) and the Department of Statistics and Actuarial Science (minimum pass requirement of 65% in final year major in Mathematical Statistics). • Grade 12 Mathematics at least 70%.
BComHons (Financial Risk Management)	<ul style="list-style-type: none"> • Minimum pass requirement of 60% in Financial Risk Management 314 and 344.
BComHons (Human Resource Management)	<ul style="list-style-type: none"> • BCom (Human Resource Management) required modules: Industrial Psychology 114, 144, 214, 224, 252, 262, 314, 324, 348 and Human Capital Metrics 344. • An average of 65% in Industrial Psychology 314, 324, 348 and Human Capital Metrics 344. • Industrial Psychology 224 is a prerequisite pass module for Consumer Psychology 721
BComHons (Industrial Psychology)	<ul style="list-style-type: none"> • BCom (Industrial Psychology) required modules: all Psychology first-, second- and third-year modules, plus all Industrial Psychology first-, second- and third-year modules. • Minimum pass requirement of 65% in Industrial Psychology 314, 324, 348.
BComHons (Logistics Management)	<ul style="list-style-type: none"> • Minimum pass requirement of 60% in Logistics Management third-year modules.
BComHons (Management Accounting)	<ul style="list-style-type: none"> • Minimum pass requirement of 60% in Financial Accounting 389 and Management Accounting 388 or • Minimum pass requirement of 55% in Financial Accounting 379 and 60% in Management Accounting 378.
BComHons (Mathematical Statistics)	<ul style="list-style-type: none"> • Minimum pass requirement of 65% in Mathematical Statistics.
BComHons (Mathematical Statistics: Focus on Data Science)	<ul style="list-style-type: none"> • Minimum pass requirement of 65% average in Mathematical Statistics 3 and a satisfactory average for Computer Science 2.

BComHons (Operations Research)	<ul style="list-style-type: none"> • Operations Research 244(16) is a prerequisite for Advanced Linear Programming 712. • Operations Research 344(16) must be passed, for admission to Game Theory 743. • Probability Theory and Statistics 144(16) and Operations Research 352(16) are prerequisites for Inventory Control 742. • Operations Research 352(16) or Introductory Forecasting 723 is a prerequisite for Forecasting 753.
BComHons (Statistics)	<ul style="list-style-type: none"> • Minimum pass requirement of 65% in Statistics 3. • Must be completed in three years. If not, you must repeat the compulsory modules.
BComHons (Transport Economics)	<ul style="list-style-type: none"> • Minimum pass requirement of 60% in Transport Planning and Evaluation 318(24) and Transport Modal Economics and Management 348(24). • Transport Planning and Evaluation 318(24) and Transport Modal Economics and Management 348(24) are prerequisites for Urban and Regional Transport Economics 742, Transport and Economic Development 711, Air Transport Economics 742 and Maritime Economics 773. • Transport Planning and Evaluation 318(24) and Transport Modal Economics and Management 348(24) or Economics 318(24) and 348(24) are prerequisites for Competition and Regulation 715. • Transport Planning and Evaluation 318(24) or Logistics Management 244(16) are prerequisites for Road Transport Management 744.

Alphabetical List of Undergraduate Subjects

Academic Literacy for Economic and Management Sciences	255
Actuarial Science	228
Advanced Linear Programming	213
Afrikaans and Dutch	198
Agricultural Economics	198
Applied Compliance and Control	243
Applied Institutional Capacity Management	243
Applied Institutional Collaboration	243
Applied Managing Institutional Performance	243
Applied Mathematics	218
Applied Public Accountability	243
Applied Public Financial Accounting	243
Auditing	238
Basic Xhosa	197
Bayesian Statistics	229
Behavioural Economics	205
Building Sustainable Cities	244
Business Analytics	213
Business Ethics	238
Business Management	199
Business Plans and Strategies	244
Chinese	223
Civilisation, Revolution and Leadership	244
Communication, PR and Journalism Studies	244
Compliance and Control	244
Compliance and Control: Asset and Procurement Management	245
Compliance and Control: Budgeting	245
Computer Science	219
Data Science	230
Data Science Research Assignment	230
Digital and Leadership Acumen	238
Ecoliteracy	245
Ecoliteracy for the 21st Century	245
Econometrics	205
Economics	205
Engineering Statistics	231
English Studies	208
Entrepreneurship and Innovation Management	200
Entrepreneurship Incubator	245
Exchange Semester	200
Financial Accounting	240
Financial Management	201
Financial Mathematics	220
Financial Planning	202

Financial Risk Management.....	231
French.....	223
Geo-Environmental Science.....	208
German.....	224
Green Economy.....	246
Human Capital Metrics.....	209
Image and Storytelling for Change Makers.....	246
Industrial Psychology.....	209
Industrial Psychology (Occupational Therapy).....	211
Industrial Psychology (Special).....	211
Information Systems.....	214, 241
Information Systems Management.....	212
Institutional Conduct.....	246
Internship.....	246
Introduction to Economics.....	256
Introduction to Intercultural Communication.....	211
Introduction to Statistical Learning.....	232
Introduction to Transport and Logistics Systems.....	214
Investment Management.....	202
Latin.....	199
Legal Aspects of International Transactions.....	222
Logistics and Supply Chain Management.....	214
Machine Learning.....	232
Macroeconomics.....	207
Management Accounting.....	241
Management of Corporate Social Responsibility.....	203
Managing Institutional Capacity.....	247
Managing Institutional Collaboration.....	247
Managing Institutional Performance.....	247
Marketing Management.....	204
Mathematical Statistics.....	233
Mathematics.....	220
Mathematics for EMS.....	256
Mentorship and Facilitation.....	248
Mercantile Law (Acc).....	223
Mercantile Law (Commerce).....	222
Metaheuristics.....	216
Methods of Operations Research.....	216
Microeconomics.....	208
Multivariate Statistical Analysis A.....	234
Multivariate Statistical Analysis B.....	234
Operations Research.....	216
Personal Conduct and Integrity.....	248
Philosophy.....	224
Political Science.....	225
Probability Theory and Statistics.....	234
Professional Communication for EMS.....	255
Project Management.....	217
Psychology.....	226
Public Accountability.....	248

Public and Development Management	248
Public Financial Accounting.....	250
Raising and Managing Capital.....	250
Regenerative Leadership	250
Research Approaches	251
Social Activation and Engagement.....	251
Social Anthropology.....	228
Social Change	251
Social Entrepreneurship.....	251
Social Innovation and Entrepreneurship.....	252
Sociology.....	227
Statistics.....	235
Statistics and Data Science.....	237
Stochastics Simulation	237
Strategic Communication	252
Strategic Management	205
Sustainability in the Digital Age	253
Sustainability Perspectives	253
Sustainability Reporting.....	253
Sustainable Design	254
Sustainable Design Technologies	254
Sustainable Development Internship.....	254
Sustainable Reporting, Monitoring and Evaluation.....	254
Systems Dynamics.....	217
Taxation.....	242
Theory of Interest.....	237
Time Series Analysis.....	237
Transport Economics	217
Worldviews.....	255
Xhosa.....	197