

2020



Faculty of
**Economic and
Management Sciences**

Academic Programmes
and Faculty Information

CALENDAR PART 10



UNIVERSITEIT
IYUNIVESITHI
STELLENBOSCH
UNIVERSITY

100
1918 - 2018

Calendar

Amendments, liability and accuracy

- In this publication any expression signifying one of the genders includes the other gender equally, unless inconsistent with the context.
- The University reserves the right to amend the Calendar parts at any time.
- The Council and Senate of the University accept no liability for any inaccuracies there may be in the Calendar parts.
- Every reasonable care has been taken, however, to ensure that the relevant information to hand as at the time of going to press is given fully and accurately in the Calendar parts.

Where do I find the printed versions of the Calendar parts?

- The printed versions of the Calendar parts can be obtained at the Help Desk in the Admin A Building.
- Afrikaans (Part 1 to 12) and English copies of the individual parts are available.

Where do I find the electronic versions of the Calendar parts?

- The electronic versions of the Calendar parts can be obtained at www.sun.ac.za/Calendar.

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. Students are urged to take note especially of the content of the provisions in Part 1 of the Calendar applicable to them.
- Parts 4 to 13 of the Calendar are the faculty Calendar parts.

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Part 3	Student Fees
Part 4	Arts and Social Sciences
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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 and schools;
 - The degree and diploma programmes offered in the Faculty;
 - Communication with the Faculty and the University, which includes an explanation of the concept “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 and schools;
 - Communication with the Faculty and the University, which includes an explanation of the concept “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 examinations and registering at Unisa 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; and
 - 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 and three schools are responsible for teaching and research. Five research centres and an institute further expand this offering. The departments and schools in the Faculty are:

- Business Management,
- Economics,
- Industrial Psychology,
- Logistics,
- Statistics and Actuarial Science,
- School of Accountancy,
- School of Public Leadership (SPL),
- University of Stellenbosch Business School (USB).

The academic programmes described in this part of the University Calendar are offered by the departments and schools listed above. Several interdisciplinary programmes run across departments and schools 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 USB 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 <i>or</i> MAcc	LLD <i>or</i> PhD
		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
- 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 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	021 808 9562	rdp@sun.ac.za
Secretary		
Ms Tanja Malan	021 808 9564	tanja@sun.ac.za
Vice Dean (Research)		
Prof Christo Boshoff	021 808 2735	cboshoff@sun.ac.za
Secretary		
Ms Lorraine Cilliers	021 808 2026	lorrainecilliers@sun.ac.za
Vice Dean (Social Impact and Transformation)		
Prof Pregala Pillay	021 918 4341	pregala.pillay@spl.sun.ac.za
Administrative Support		
Ms Lesinda Daniels	021 808 9985	lesinda@sun.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 Nazli Daniels	021 808 9111	ndaniels@sun.ac.za
Coordinator: Student Affairs (undergraduate programme enquiries)		
Ms Ilze Gelderblom	021 808 9525	ilzeg@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 Andrie Schoombee	021 808 2236	gas2@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 Petro Hanekom	021 808 3012	indpsych@sun.ac.za
Department of Logistics		
Chairperson		
Prof Stephan Visagie	021 808 2254	svisagie@sun.ac.za
Secretary		
Ms Marlene Mostert	021 808 2249	mmt@sun.ac.za
Department of Statistics and Actuarial Science		
Chairperson		
Prof Paul Mostert	021 808 3536	pjmos@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 Liesl de Villiers	021 808 3889	ldevilliers@sun.ac.za
School of Public Leadership (SPL)		
Director		
Prof Johan Burger	021 918 4125	apjb@sun.ac.za
Secretary (SPL, Bellville)		
Ms Rosslyn Abrahams	021 918 4122	rpa@sun.ac.za
Secretary (Perold Building, Stellenbosch)		
Ms Adell Rhode	021 808 2195	athomas@sun.ac.za
US Business School (USB)		
Director		
Prof Piet Naudé	021 918 4221	piet.naude@usb.ac.za
Secretary		
Ms Jeanne Kuhn	021 918 4288	jeannek@sun.ac.za

RESEARCH AND SERVICE BODIES		
Africa Centre for Dispute Settlement		
Director		
Prof Brian Ganson	021 918 4287	bganson@sun.ac.za
Contact person		
Ms Sunelle Hanekom	021 918 4381	sunelle.hanekom@usb.ac.za
Africa Centre for HIV/AIDS Management		
Director		
Ms Vuyiseka Dubula-Majola	021 808 3921	vuyiseka@sun.ac.za
Secretary		
Ms Bianca Jacobs	021 808 3006	bianca@sun.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	cbooysen@sun.ac.za
Centre for Corporate Governance		
Director		
Prof Daniel Malan	021 918 4342	daniel.malan@usb.ac.za
Secretary		
Ms Surita Basson	021 918 4228	sbasson@sun.ac.za
Centre for Statistical Consultation		
Director and contact person		
Prof Martin Kidd	021 808 2561	mkidd@sun.ac.za
Institute for Futures Research (IFR)		
Director		
Dr Morne Mostert	021 918 4145	morne@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 Use your student number

The University allocates a student number to you when you apply to study at the University.

The student number is your unique identification to simplify future communication with the University.

Use your student number every time you communicate with the University.

3.2 The University's contact details

Telephone: 021 808 9111;

Fax: 021 808 3822;

E-mail: info@sun.ac.za

3.3 Postal addresses for the University

Correspondence on academic matters, for instance. study-related matters, bursaries and loans, or placement in a residence, can be directed to:

The Registrar
Stellenbosch University
Private Bag X1
MATIELAND
7602

Correspondence on matters relating to finance and services, including services at University residences, can be directed to:

The Chief Operating Officer
Stellenbosch University
Private Bag X1
MATIELAND
7602

3.4 University website

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)

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.

As first steps in the RPL process, you can consult the University and the Faculty RPL 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 and the US Business School, have also developed their own guidelines that must be read in conjunction with the University’s and the Faculty’s guidelines. For more information, please contact the relevant environment directly.

Please note that approval in terms of the RPL 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 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
Broad degree programmes						
BCom <i>Dept of Business Management</i>	120	128	120			368
BCom (Economic Sciences) <i>Dept of Economics</i>	128 or 136 or 138	128 of 130	120			at least 376
BCom (Management Sciences) <i>Dept of Business Management</i>	120	128 or 132 or 144	120			368 or 372 or 384
BCom (Mathematical Sciences) <i>Dept of Statistics and Actuarial Science</i>	128 or 136 or 138	124 or 128 or 130	120 or 134 or 144			at least 376
BCom (International Business) <i>Dept of Business Management</i>	120	144	132 or 136	120		at least 516

Programme <i>Home department</i>	1st year	2nd year	3rd year	4th year	5th year	Total credits
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 Industrial Psychology</i>	138	128	144			410
BAcc <i>School of Accountancy</i>	138	154	156			448
Degree programmes that include studies in law						
BCom (Law) <i>Faculty of Law</i>	150	152	130			432
BAccLLB <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>	90	104	102	120		416

1.2 Summary of the admission and selection requirements for undergraduate programmes in 2020

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)

- 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; *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 *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.

Dip (Sustainable Development)

- Overall NSC average of at least 55%, excluding Life Orientation
- Mathematics 50% *or*
Mathematical Literacy 60%
- English Home Language 50% *or*
English First Additional Language 60%

Advanced Dip (Public Accountability)

- 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.

BCom, BCom (Economic Sciences), BCom (Management Sciences) and BCom (Industrial Psychology)

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

BCom (Financial Accounting) and BCom (Management Accounting)

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

BCom (Management Sciences) Extended Degree Programme (EDP)

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

Selection: You may only be placed in this programme if you are from a disadvantaged socio-economic background. 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)

- 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: This programme follows a specific selection process.

Please note: You cannot transfer to this programme from another programme.

BCom (Actuarial Science)

Minimum requirements for admission:

- An NSC 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%

BCom (Mathematical Sciences)

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

BAcc

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

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

BCom (Law)

- Overall NSC average of at least 70%, excluding Life Orientation
- 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

- 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

Please also consult the Faculty's selection guidelines at www.sun.ac.za/ems – click on “Prospective students” and then at “Undergraduate” look for “Selection guidelines for 2020”.

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:

- BAccLLB,
- BCom (Law),
- BCom (International Business) and
- BCom (Management Sciences) (EDP).

Selection for the extended degree programme

You will be considered for the BCom (Management Science) (EDP) programme if:

1. you meet the admission requirements for the EDP, *and*
2. you comply with the socio-economic status (SES) requirements of the University's admissions policy. This means that you come from a disadvantaged school community and may be the first in your family to attend university. The University determines all applicants' SES scores.

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 programmes you apply for. You can find these requirements above under “ Summary of the admission and selection requirements for undergraduate programmes in 2020”, 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)

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

- Your application mark (that is, your Grade 11 or 12 average) is between 60% and 69% (excluding Life Orientation);
- Your Mathematics mark is between 50% and 59%;
- You are applying for programmes with a Law focus, namely BCom(Law) and BAccLLB;
- You have been home schooled;
- You want to apply for the Undergraduate Diploma in Sustainable Development.

Where necessary, your NBT results may be used for decisions about your placement in a specific programme.

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 calculated, or your final Grade 12 average (if available). This average is your selection mark.

- If you have **more than six** university admission subjects:
 - the *six highest marks* are used for the average, and
 - *Mathematics* and either *English or Afrikaans* must be among the six subjects.
- If you have **fewer than six** university admission subjects:
 - *at least four* subjects are used for the average, and
 - *Mathematics* and either *English or Afrikaans* must be among the four subjects.

See the table below for the required selection mark per programme.

Programme	Selection mark for immediate provisional acceptance
BCom BCom (Management Sciences) BCom (Economic Sciences) BCom (Industrial Psychology)	65
BCom (Mathematical Sciences)	70
BCom (Financial Accounting) BCom (Management Accounting)	65
BAccounting	70
BCom (Management Sciences) Extended Degree Programme (EDP)	N/A: Special selection process based on socio-economic status.
BCom (International Business)	N/A: Selection based on maximum number of available places.
BAccLLB	N/A: Selection done by Faculty of Law.
BCom (Law)	N/A: Selection done by Faculty of Law.
Diploma in Public Accountability	N/A: Selection done internally by School of Public Leadership.
Diploma in Sustainable Development	N/A: Selection done internally by School of Public Leadership.

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 **30 June** (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 specified as “N/A”.

You will be placed on a waiting list until the end of June, 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 **30 June**, 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 coordinator to find out about late application.

1.5 Choose the right modules for your degree programme

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”). 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 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 “Provisions relating to examination and promotion” in the section “University examinations” in Part 1 (General: Policies and Rules) of the Calendar.

1.7 Undergraduate assessment

1.7.1 Flexible assessment

The Faculty uses flexible assessment in all undergraduate modules:

- For the assessment guidelines for a specific module, you can consult that module’s module framework.
- For the Undergraduate Assessment Regulation, 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 “Flexible Assessment”.
- For a definition of flexible assessment and the general rules for flexible assessment, see the Part 1 (General: Policies and Rules) of the University Calendar, under “Provisions relating to examinations and promotions”.

1.7.2 Tests and examinations

For general rules and provisions regarding tests and examinations, consult Part 1 (General: Policies and Rules) of the University Calendar. Please take note of the explanation in the section “Provisions relating to examinations and promotions”.

1.7.3 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.

The modules of a major subject start in the second year and continue in the third year.

1.8 Dean's concession examinations (DCEs)

- Only the Dean can approve a Dean's Concession Examination (DCE). No department, lecturer or any other official may give you an undertaking in this regard.
- You may qualify for a DCE in a module if:
 - that module is the only one you need for graduation,
 - the module is worth no more than 48 credits, and
 - your final mark for the module was at least 30%.
- All DCEs will be written at the same time during a single sitting. This sitting will be on the last Friday before classes start in February. There will be no further opportunities to sit for a DCE.
- If you qualify for a DCE, you must apply for admission to a DCE 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 Examination", which will be active for the DCE application period. The date, time and venue of the examination will also be confirmed during your application.
- You pass the DCE if you obtain a mark of 50% for it (this mark does not form part of the flexible assessment formula). The highest mark you can obtain for passing a DCE is 50%.

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

As an undergraduate student, you must pass at least 50% of your total credits every year to be able to continue your studies in the next year.

Example: BCom (Management Sciences)

- Minimum credits in the first year:**
 - The first year has a credit load of 120 credits.
 - By the end of the first year's assessments in November, and to continue into the second year, you must pass 60 credits.
 - This means you must pass $60/120 = 0.50$ HEMIS credits.
 - You get one HEMIS credit if you pass all the credits for a given academic year.
- 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: $72/144 = 0.50$
- 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:**
- First year: 90 total credits – pass 45 credits ($45/90 = 0.50$)
 - Second year: 104 total credits – pass 52 credits ($52/104 = 0.50$)
 - Third year: 102 total credits – pass 51 credits ($51/102 = 0.50$)
 - Fourth year: 120 total credits – pass 60 credits ($60/120 = 0.50$)

1.10 Unisa registration for non-degree purposes

- **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 Unisa 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 Unisa **you must** have failed the module in a final examination or flexible assessment opportunity at Stellenbosch University (final mark < 50%). In such a case you will not register at Unisa to obtain a Unisa degree, but only to complete the outstanding module.
- As a final-year student **you may** register for a single module at Unisa if the relevant department in the Faculty has approved and authorised the specific module and/or content and it is recognised by the University.

1.11 Enquiries about undergraduate programmes

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

Ms Nazli Daniels
Administration Building A
Office number: A2036
Tel: 021 808 9111
E-mail: ndaniels@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; *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 *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)

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

For more 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.

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 coordinator to enquire about late application.

Duration of programme

At least two years.

Further study possibilities

After completing the Diploma in Public Accountability *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.

Contact weeks 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 telematics sessions that are broadcast to various regional centres throughout South Africa. Because various forms of e-learning are used, the student package includes a computer and e-learning materials.

Enquiries

Any further enquiries about the programme may be directed to the programme coordinator at the School of Public Leadership:

Tel: 021 918 4134

Website: www.spl.sun.ac.za

Programme content

You must earn at least 240 credits.

First year (120 credits)

Compulsory modules

Institutional Conduct	141(15)
Managing Institutional Capacity	171(20)
Managing Institutional Performance	191(20)
Managing Institutional Collaboration	181(15)
Public Accountability	161(20)
Compliance and Control: Budgeting	151(15) <i>and</i>
Compliance and Control: Asset and Procurement Management	151(15)

Second year (120 credits)

Compulsory modules

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

- Overall National Senior Certificate average of at least 55%, excluding Life Orientation
- Mathematics 50% *or*
Mathematical Literacy 60%
- English Home Language 50% *or*
English First Additional Language 60%

Selection

Selection is based on academic merit and on the written motivation that you complete as part of the Departmental application form. At most 30 students are selected. We recommend completing the AQL National Benchmark Test (NBT) to strengthen your application. You do not need to complete the MAT NBT.

Application procedure and closing date

Apply by **30 June** 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 of programme

Three years

Programme structure

All classes are presented at the Sustainability Institute, Lynedoch. Our aim is to immerse you practically in the world of sustainability through a lived experience at the Lynedoch EcoVillage. Transport is available from the Stellenbosch main campus.

An interactive teaching method will be used during contact sessions. This will consist of formal lecturing, facilitated discussion learning, case method learning and various kinds of structured group work. The main aim of this teaching approach to ensure that you complement reading and listening with experiential learning that builds the capacity for critical thinking, creativity, collaboration and practical wisdom. In addition, you will have to do certain daily practical tasks related to the general upkeep of the Institute and the development of the surrounding projects. These shared experiences of practical work will feed directly into your overall learning experience during the contact sessions. All these components of the day, including the community work session, 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.

Economics for a Green Economy	171(10)
Global Sustainability Perspectives	171(10)
Introduction to Entrepreneurship	171(35)
Complexity, Ecology and Sense of Place	171(10)
Creative Expression for Social Entrepreneurs	171(15)
Personal Leadership Development	171(10)
Sustainable Design Technologies 1	171(20)
World Views, Ethics and Belief Systems	171(10)

Second year (120 credits)

All modules are compulsory.

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

Third year (120 credits)

All modules are compulsory.

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

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)

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

For more 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.

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 coordinator to enquire about late application.

Duration of programme

One year.

Further study possibilities

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

Programme structure

You must attend two consecutive contact weeks on the Bellville Park campus in each of the two semesters. Contact weeks are supplemented by interactive telematics sessions that are broadcast to various regional centres throughout South Africa.

Enquiries

Any further enquiries about the programme may be directed to the programme coordinator at the School of Public Leadership:

Tel: 021 918 4122

Website: www.spl.sun.ac.za

Programme content

You must earn at least 120 credits.

Compulsory modules

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

Elective modules

Choose **one** of the following modules:

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

4. Broad degree programmes

4.1 BCom programme

4.1.1 BCom

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%

Application procedure and closing date

Apply electronically at www.maties.com by **30 June** of the year before your intended studies. For more on the application and admission process, see section 1 of this chapter.

Duration of programme

Three years

Programme structure

This is the broadest programme offered by the Faculty. It is not intended to prepare you for any one career but to provide you with broad formative training, while allowing you to deepen your knowledge in a specific area of the commerce sciences, called a focal area (see below for more on focal areas). You may also compile your study programme so that it may include a field of study from the Faculty of Arts and Social Sciences up to third-year level. In choosing your modules, please take note of the stipulations regarding timetable clashes in the general section at the beginning of this chapter.

Focal areas

The objective of focal areas is to help you choose a specific career focus within the BCom 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 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 programme and each one is described below under “Focal areas within the BCom programme”. These are:

- Agricultural Economics;
- Financial Planning;
- Investment Management; and;
- Public and Development Management.

Financial Planning and Investment Management are seen as professional programmes since they provide the opportunity for professional registration.

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 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 (120 credits)

Compulsory modules

Business Management	113(12), 142(6)
Economics	114(12), 144(12)
Financial Accounting	188(24)
Information Systems	112(6)
Theory of Interest	152(6)
Statistical Methods	176(18) <i>or</i>
Statistics	186(18)

Elective modules

Choose at least 24 credits from the following to make up the required 120 credits.

Business Communication	142(12) #
Geo-Environmental Science	124(16), 154(16)
Industrial Psychology	114(12), 144(12)
Academic Discourse for EMS	114(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)
Introduction to Transport and Logistics Systems	144(12)

You may not take these two modules together.

Second year (at least 128 credits)

Elective modules

- Choose at least three complete subjects where you take all the modules in the set.
- Your three major subjects must altogether count at least 96 credits.

Agricultural Economics	234(16), 242(8), 262(8)
Business Analytics	214(16), 244(16)
Economics	214(16), 244(16)
Entrepreneurship and Innovation Management	214(16), 244(16)
Financial Accounting	288(32)
Information System Management	212(8), 224(16), 262(8), 254(16)
Industrial Psychology	214(16), 224(16), 252(8), 262(8)
Investment Management	254(16) <i>in combination with</i>
Financial Management	214(16)
Logistics Management	214(16), 244(16)
Marketing Management	214(16), 244(16)
Transport Economics	214(16), 244(16)

Plus any of the following modules to make up the required 128 credits:

Choose your modules so that there are no class, test or assessment timetable clashes.

Economics	281(32)
Financial Management	214(16), 244(16)
Geography and Environmental Studies	225(16), 265(16) [If you are taking or have passed Mathematics 114, you could take 214(16) instead of 225(16)]
Investment Management	254(16)
Mercantile Law (Commerce)	285(32)
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)
Statistics	214(16), 224(16), 244(16)

Third year (At least 120 credits)

Elective modules

- Choose one complete major of at least 48 credits.
- Add further elective modules to make up the required minimum credits of 120.

Agricultural Economics	314(16), 334(16), 354(16), 364(16)
Management of Corporate Social Responsibility	314(12)
Economics	318(24), 348(24), 381(24), 388(24)
Entrepreneurship and Innovation Management	318(24), 348(24)
Financial Management	314(12), 332(12), 352(12), 354(12)
Financial Planning	314 (24), 344 (24)
Geography and Environmental Studies	314(12), 323(12), 358(16), 363(16)
Industrial Psychology	314(12), 324(12), 348(24)
Information System Management	314(18), 334(18), 364(18), 354(18)
Investment Management	314(12), 324(12), 344(12), 348(12), 354(12)
Logistics Management	314(12), 324(12), 344(12), 354(12)
Marketing Management	314(12), 324(12), 344(12), 354(12)
Philosophy	314(12), 324(12), 344(12), 354(12)
Political Science	314(12), 324(12), 344(12), 354(12), 364(12)
Project Management	314(24)
Public and Development Management	314(12), 324(12), 348(24)
Quantitative Management	318(24), 348(24)
Sociology	314(12), 324(12), 344(12), 354(12), 364(12)
Statistics	318(24), 348(24)
Strategic Management	344(12)
Taxation	388(24)
Transport Economics	318(24), 348(24)

4.1.2 Focal areas within the BCom programme

4.1.2.1 Agricultural Economics

Description of focal area

Agricultural Economics is an interdisciplinary field where you can study the application of economic and management sciences to the production and marketing of agricultural and food products. A BCom qualification in Agricultural Economics gives you access to professional occupations in the growing domestic and international agricultural and food industries. Professional occupations include 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		
Focal area: Agricultural Economics		
First year (120 credits)	Second year (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 186(18) <i>or</i> Statistical Methods 176(18) Theory of Interest 152(6)</p> <p>Recommended elective modules <i>Choose 24 credits.</i> Academic Discourse for EMS 114(12) # Business Communication 142(12) # 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) Public and Development Management 114(12), 144(12) Sociology 114(12), 144(12)</p>	<p>Compulsory modules Agricultural Economics 234(16), 242(8), 262(8) Financial Management 214(16) Investment Management 254(16)</p> <p>Recommended elective modules <i>Choose 2 subjects.</i> Economics 214(16), 244(16) Financial Accounting 288(32) Logistics Management 214(16), 244(16) Marketing Management 214(16), 244(16)</p>	<p>Compulsory modules Agricultural Economics 314(16), 334(16), 354(16), 364(16)</p> <p>Recommended elective modules <i>Plus modules below to make up 120 credits.</i> Marketing Management 314(12), 324(12), 344(12), 354(12) Economics 318(24), 348(24) Financial Management 314(12), 332(12), 352(12), 354(12) Logistics Management 314(12), 324(12), 344(12), 354(12)</p>

You may not take these two modules together.

4.1.2.2 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 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		
Focal area: Financial Planning		
First year (120 credits)	Second year (128 credits)	Third year (120 credits)
<p>Compulsory modules Business Management 113(12), 142(6) Economics 114(12), 144(12) Financial Accounting 188(24) Information Systems 112(6) Statistical Methods 176(18) <i>or</i> Statistics 186(18) Theory of Interest 152(6)</p> <p>Recommended elective modules <i>Choose at least 24 credits.</i> Academic Discourse for EMS 114(12) # Business Communication 142(12) # 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) Public and Development Management 114(12), 144(12) Sociology 114(12), 144(12)</p>	<p>Compulsory modules 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 Financial Planning 314 (24) Financial Planning 344 (24) Investment Management 314(12), 324(12), 344(12), 348(12) <i>or</i> 354(12) Taxation 388(24)</p>

You may not take these two modules together.

4.1.2.3 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 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 programme. If you successfully complete a BCom 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		
Focal area: Investment Management		
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) Statistical Methods 176(18) [must pass with at least 65% to continue with second-year Statistics modules] <i>or</i> Statistics 186(18) Theory of Interest 152(6)</p> <p>Recommended elective modules <i>Choose at least 24 credits.</i> Academic Discourse for EMS 114(12) # Business Communication 142(12) # 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)</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 Financial Management 314(12), 332(12) [only compulsory for admission to BComHons (Financial Analysis)] Investment Management 314(12), 324(12), 344(12), 348(12), 354(12)</p> <p><i>Plus modules below to make up 120 credits.</i> Economics 318(24), 348(24) Financial Management 314(12), 332(12), 352(12), 354(12) Statistics 318(24), 348(24) §</p>

BCom		
Focal area: Investment Management		
First year (120 credits)	Second year (144 credits)	Third year (at least 120 credits)
Political Science 114(12), 144(12) Public and Development Management 114(12), 144(12) Sociology 114(12)		

You may not take these two modules together.

§ 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.

4.1.2.4 Public and Development Management

Description of focal area

Thorough knowledge of Public and Development Management is essential preparation for various professions in the public, business and voluntary sectors. The public, or government, sector is the largest employer in every country and functions on national, regional, municipal and community level. It guards, regulates and develops the people and provides for them, or ensures that these things are done, in collaboration with the business and voluntary sectors.

Public and Development Management as a focal area, or supplementary study area, combines well with other subjects in the BCom programme, especially in the programme BCom (Management Sciences).

BCom		
Focal area: Public and Development Management		
First year (120 credits)	Second year (128 or 144 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) Public and Development Management 114(12), 144(12) Statistics 186(18) <i>or</i> Statistical Methods 176(18) Theory of Interest 152(6)	Compulsory modules Public and Development Management 212(8), 222(8), 242(8), 252(8) Recommended elective modules <i>Plus modules below to make up 128 or 144 credits.</i> Economics 214(16), 244(16) Geo-Environmental Science 124(16) Industrial Psychology 214(16), 224(16), 252(8), 262(8) Sociology 212(8), 252(8)	Compulsory modules Public and Development Management 314(12), 324(12), 348(24) Recommended elective modules <i>Plus modules below to make up 120 credits.</i> Economics 318(24), 348(24) Geo-Environmental Science 214(16) Industrial Psychology 314(12), 324(12), 348(24) [§]

§ You will not be able to register for the honours programme in Industrial Psychology without having completed all the Industrial Psychology modules (Industrial Psychology 114, 144, 214, 252, 262, 314, 324 and 348).

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%

Application procedure and closing date

Apply electronically at www.maties.com by **30 June** of the year before your intended studies. For more on the application and admission process, see section 1 of this chapter.

Duration of programme

Three years

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 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 seven focal areas within the BCom (Management Sciences) programme and each one is described below under “Focal areas within the BCom (Management Sciences) programme”. These are:

- Business Analytics;
- Entrepreneurship and Innovation Management;
- Financial Management;
- Human Resource Management;
- Information Systems Management;

- Logistics Management; and
- Marketing Management

Programme content

You must earn a total of at least 368 or 372 credits, depending on your module choices in the second year.

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 (120 credits)

Compulsory modules

Business Management	113(12), 142(6)
Economics	114(12), 144(12)
Financial Accounting	188(24)
Information Systems	112(6)
Statistical Methods	176(18) <i>or</i>
Statistics	186(18)
Theory of Interest	152(6)

Elective modules

Choose 24 credits from the following to make up the required 120 credits.

Business Communication	142(12) [#]
Industrial Psychology	114(12), 144(12)
Academic Discourse for EMS	114(12) [#]
Introduction to Transport and Logistics Systems	144(12)

[#] You may not take these two modules together.

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 the required 128 or 132 credits.
- You must take at least 32 credits from writing- and information-enriched modules (marked with an *).

Business Analytics	214(16), 244(16)
Economics	214(16)*, 244(16)*, 281(32)*
Entrepreneurship and Innovation Management	214(16)*, 244(16)*
Financial Management	214(16), 244(16)*
Financial Accounting	288(32)
Industrial Psychology	214(16), 224(16)*, 252(8), 262(8)
Information System Management	212(8), 224(16), 262(8), 254(16)
Logistics Management	214(16)*, 244(16)*
Marketing Management	214(16)*, 244(16)*
Transport Economics	214(16), 244(16)

Third year (at least 120 credits)

Compulsory modules of 24 credits:

Management of Corporate Social Responsibility	314(12) <i>and</i>
Strategic Management	344(12)
OR	
Project Management	314(24)

If you want to take all three modules, the additional 24 credits are regarded as extra credits, and they can be recognised for degree purposes within the general BCom programme. Only 24 credits will be recognised for the BCom (Management Sciences) programme. You must therefore still make sure that you take the required 120 credits for the third-year BCom (Management Sciences) programme by choosing the necessary electives below.

Elective modules

- Choose at least one complete major of at least 48 credits in total.
- Choose further modules to make up at least 120 credits.

Economics	318(24), 348(24)
Entrepreneurship and Innovation Management	318(24), 348(24)
Financial Management	314(12), 332(12), 352(12), 354(12)
Industrial Psychology	314(12), 324(12), 348(24)
Information System Management	314(18), 334(18), 354(18), 364(18)
Logistics Management	314(12), 324(12), 344(12), 354(12)
Marketing Management	314(12), 324(12), 344(12), 354(12)
Quantitative Management	318(24), 348(24)
Transport Economics	318(24), 348(24)

4.2.2 Focal areas within the BCom (Management Sciences) programme

4.2.2.1 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 found decisions quantitatively in order to help maximise the firm's wealth.

BCom (Management Sciences)		
Focal area: Business Analytics		
First year (120 or 132 credits)	Second year*** (128 or 144 credits)	Third year (120 credits)
Compulsory modules Business Management 113(12), 142(6) Economics 114(12), 144(12) Financial Accounting 188(24) Information Systems 112(6) Statistical Methods 176(18) <i>or</i> Statistics 186(18) Theory of Interest 152(6) Recommended elective modules <i>Plus at least 12 credits from:</i> Academic Discourse for EMS 114(12) # Business Communication 142(12) # Industrial Psychology 114(12), 144(12) Introduction to Transport and Logistics Systems 144(12)	Compulsory modules Business Analytics 214(16), 244(16) Recommended elective modules <i>Plus at least 96 credits from three of:</i> Financial Accounting 288(32) Financial Management 214(16), 244(16)* Logistics Management 214(16)*, 244(16)* Marketing Management 214(16)*, 244(16)* Transport Economics 214(16), 244(16)	Compulsory modules Quantitative Management 318(24), 348(24) Compulsory keystone modules of 24 credits Project Management 314(24) Recommended elective modules <i>Plus modules below to make up 120 credits.</i> Logistics Management 314(12), 324(12), 344(12), 354(12) Marketing Management 314(12), 324(12), 344(12), 354(12) Transport Economics 318(24), 348(24)

You may not take these two modules together.

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

4.2.2.2 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. It consists of four modules that start in the second year: Introduction to Entrepreneurship; Small Business Management; Creativity and Innovation Management; Strategic and Corporate Entrepreneurship.

BCom (Management Sciences)		
Focal area: Entrepreneurship and Innovation Management		
First year (120 credits)	Second year*** (128 or 144 credits)	Third year (120 credits)
<p>Compulsory modules Business Management 113(12), 142(6) Economics 114(12), 144(12) Financial Accounting 188(24) Information Systems 112(6) Statistical Methods 176(18) <i>or</i> Statistics 186(18) Theory of Interest 152(6)</p> <p>Recommended elective modules <i>Plus 24 credits from:</i> Academic Discourse for EMS 114(12) # Business Communication 142(12) # Industrial Psychology 114(12), 144(12) Introduction to Transport and Logistics Systems 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), 244(16)* Industrial Psychology 224(16)*, 252(8), 262(8) Logistics Management 214(16)*, 244(16)* Marketing Management 214(16)*, 244(16)*</p>	<p>Compulsory modules Entrepreneurship and Innovation Management 318(24), 348(24)</p> <p>Compulsory keystone modules of 24 credits § Management of Corporate Social Responsibility 314(12) and Strategic Management 344(12) ^f <i>or</i> Project Management 314(24)</p> <p>Recommended elective modules <i>Plus modules below to make up 120 credits.</i> Financial Management 314(12), 332(12), 352(12), 354(12) Industrial Psychology 314(12), 324(12), 324(24) Marketing Management 314(12), 324(12), 344(12), 354(12)</p>

You may not take these two modules together.

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

§ If you want to take all three modules, the additional 24 credits are regarded as extra credits. You are free to use the extra credits to obtain the general BCom degree.

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

4.2.2.3 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; financial analyst.

BCom (Management Sciences)		
Focal area: Financial Management		
First year (120 credits)	Second year*** (128 credits)	Third year (120 credits)
<p>Compulsory modules Business Management 113(12), 142(6) Economics 114(12), 144(12) Financial Accounting 188(24) Information Systems 112(6) Statistical Methods 176(18) <i>or</i> Statistics 186(18) Theory of Interest 152(6)</p> <p>Recommended elective modules <i>Plus 24 credits from:</i> Academic Discourse for EMS 114(12) # Business Communication 142(12) # Industrial Psychology 114(12), 144(12) Introduction to Transport and Logistics Systems 144(12)</p>	<p>Compulsory modules Financial Management 214(16), 244(16)*</p> <p>Recommended elective modules Economics 214(16)*, 244(16)* Financial Accounting 288(32)</p> <p>Plus one from: Marketing Management 214(16)*, 244(16)* Entrepreneurship and Innovation Management 214(16)*, 244(16)*</p>	<p>Compulsory modules Financial Management 314(12), 332(12), 352(12), 354(12)</p> <p>Compulsory keystone modules of 24 credits § Management of Corporate Social Responsibility 314(12) and Strategic Management 344(12) <i>or</i> Project Management 314(24)</p> <p>Recommended elective modules <i>Plus modules below to make up 120 credits.</i> Marketing Management 314(12), 324(12), 344(12), 354(12) Economics 318(24), 348(24) Entrepreneurship and Innovation Management 318(24), 348(24)</p>

You may not take these two modules together.

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

§ If you want to take all three modules, the additional 24 credits are regarded as extra credits. You are free to use the extra credits to obtain the general BCom degree.

4.2.2.4 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 for 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 (120 or 132 credits)	Second year*** (128 or 132 or 144 or 148 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) Statistical Methods 176(18) <i>or</i> Statistics 186(18) Theory of Interest 152(6)	Compulsory modules Industrial Psychology 214(16), 224(16)*, 252(8), 262(8) Recommended elective modules <i>Plus two from:</i> Economics 214(16)*, 244(16)* Entrepreneurship and Innovation Management 214(16)*, 244(16)* Financial Accounting 288(32) Business Analytics 214(16), 244(16) Financial Management 214(16), 244(16)* Information System Management 224(16), 262(8), 254(16) Logistics Management 214(16)*, 244(16)* Marketing Management 214(16)*, 244(16)* Plus at least another 16 credits from the above list to make up at least 128 credits.	Compulsory modules Industrial Psychology 314(12), 324(12), 348(24) Compulsory keystone modules of 24 credits § Management of Corporate Social Responsibility 314(12) and Strategic Management 344(12) <i>or</i> Project Management 314(24) Recommended elective modules <i>Plus modules below to make up 120 credits.</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)

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

§ If you want to take all three modules, the additional 24 credits are regarded as extra credits. You are free to use the extra credits to obtain the general BCom degree.

4.2.2.5 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 (120 credits)	Second year*** (128 credits)	Third year (120 credits)
<p>Compulsory modules Business Management 113(12), 142(6) Economics 114(12), 144(12) Financial Accounting 188(24) Information Systems 112(6) Statistical Methods 176(18) <i>or</i> Statistics 186(18) Theory of Interest 152(6)</p> <p>Recommended elective modules <i>Plus 24 credits from:</i> Academic Discourse for EMS 114(12) # Business Communication 142(12) # 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 Business Analytics 214(16), 244(16) Entrepreneurship and Innovation Management 214(16)*, 244(16)* Financial Management 214(16), 244(16)* Logistics Management 214(16)*, 244(16)* Marketing Management 214(16)*, 244(16)*</p>	<p>Compulsory modules Information Systems Management 314(18), 334(18), 354(18), 364(18) Project Management 314(24)</p> <p>Recommended elective modules <i>Plus modules below to make up 120 credits.</i> Financial Management 314(12), 332(12), 352(12), 354(12) Entrepreneurship and Innovation Management 318(24), 348(24) Logistics Management 314(12), 324(12), 344(12), 354(12)</p>

You may not take these two modules together.

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

4.2.2.6 Logistics Management

Description of focal area

Logistics involve the flow and storage of goods, services and related information from their place of origin to the place where they will be consumed or used. Logistics Management is the process of planning, organising and executing that flow and storage so that it is efficient and effective. The purpose of Logistics Management is to meet customer requirements in the best possible way so that the firm can become as prosperous as possible in the long run.

BCom (Management Sciences)		
Focal area: Logistics Management		
First year (120 or 132 credits)	Second year*** (128 credits)	Third year (120 credits)
<p>Compulsory modules Business Management 113(12), 142(6) Economics 114(12), 144(12) Financial Accounting 188(24) Information Systems 112(6) Statistical Methods 176(18) § <i>or</i> Statistics 186(18) § Theory of Interest 152(6)</p> <p>Recommended elective modules <i>Plus 24 credits from:</i> Academic Discourse for EMS 114(12) # Business Communication 142(12) # Industrial Psychology 114(12), 144(12) Introduction to Transport and Logistics Systems 144(12)</p>	<p>Compulsory modules Logistics Management 214(16)*, 244(16)*</p> <p>Recommended elective modules <i>Plus three from:</i> Business Analytics 214(16), 244(16) Financial Accounting 288(32) <i>or</i> Financial Management 214(16), 244(16)* Industrial Psychology 224(16)*, 252(8), 262(8) Marketing Management 214(16)*, 244(16)* Transport Economics 214(16), 244(16)</p>	<p>Compulsory modules Logistics Management 314(12), 324(12), 344(12), 354(12)</p> <p>Compulsory keystone modules of 24 credits Project Management 314(24)</p> <p>Recommended elective modules <i>Plus modules below to make up 120 credits.</i> Marketing Management 314(12), 324(12), 344(12), 354(12) Quantitative Management 318(24), 348(24) Transport Management 318(24), 348(24)</p>

§ Statistical Methods 176 **or** Statistics 186 **or** Probability Theory and Statistics 114 or 144 is required for admission to Logistics Management 314 and 324. Introduction to Transport and Logistics Systems 144 is not a prerequisite but is highly recommended.

You may not take these two modules together.

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

4.2.2.7 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; marketing researcher. The course 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 (120 credits)	Second year*** (128 or 144 credits)	Third year (120 credits)
<p>Compulsory modules Business Management 113(12), 142(6) Economics 114(12), 144(12) Financial Accounting 188(24) Information Systems 112(6) Statistical Methods 176(18) <i>or</i> Statistics 186(18) Theory of Interest 152(6)</p> <p>Recommended elective modules <i>Plus 24 credits from:</i> Academic Discourse for EMS 114(12) # Business Communication 142(12) # Industrial Psychology 114(12), 144(12) Introduction to Transport and Logistics Systems 144(12)</p>	<p>Compulsory modules Marketing Management 214(16)*, 244(16)*</p> <p>Recommended elective modules Financial Management 214(16), 244(16)* Industrial Psychology 224(16)* Logistics Management 214(16)*, 244(16)*</p> <p>Plus one of: Economics 214(16)*, 244(16)* Entrepreneurship and Innovation Management 214(16)*, 244(16)*</p>	<p>Compulsory modules Marketing Management 314(12), 324(12), 344(12), 354(12)</p> <p>Compulsory keystone modules of 24 credits § Management of Corporate Social Responsibility 314(12) and Strategic Management 344(12) <i>or</i> Project Management 314(24)</p> <p>Recommended elective modules <i>Plus modules below to make up 120 credits.</i> Entrepreneurship and Innovation Management 318(24), 348(24) Industrial Psychology 314(12), 324(12), 348(24) Logistics Management 314(12), 324(12), 344(12), 354(12)</p>

You may not take these two modules together.

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

§ If you want to take all three modules, the additional 24 credits are regarded as extra credits. You are free to use the extra credits to obtain the general BCom degree.

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%

Application procedure and closing date

Apply electronically at www.maties.com by **30 June** of the year before your intended studies. For more on the application and admission process, see section 1 of this chapter.

Duration of programme

Three years

Enquiries

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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 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 within 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 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 (120 or 128 credits)

Compulsory modules

Statistics	186(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 chose Statistics 186 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)
Academic Discourse for EMS	114(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)
Introduction to Transport and Logistics Systems	144(12)

Second year (128 or 144 credits)

Compulsory modules

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

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

Actuarial Science	211 (18)
Business Analytics	214(16), 244(16)
Financial Accounting	288(32)
Financial Risk Management	212(8), 242(8), 252(6)
Financial Planning	214(16) <i>or</i>
Financial Management	214(16)
Industrial Psychology	224(16), 252(8), 262(8)
Investment Management	254(16) <i>or</i>
Financial Management	244(16)
Geography and Environmental Studies	225(16), 265(16) [If you are taking or have passed Mathematics 114 you could take 214(16) instead of 225(16)]
Logistics Management	214(16), 244(16)
Marketing Management	214(16), 244(16)
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), 262(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.

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

4.3.2 Focal areas within 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)
Compulsory modules Business Management 113(12), 142(6) Economics 114(12), 144(12) Financial Accounting 188(24) Information Systems 112(6) Statistics 186(18) Theory of Interest 152(6) 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)	Compulsory modules Economics 214(16), 244(16), 281(32) Statistics 214(16), 224(16), 244(16) Recommended elective modules <i>Plus one from:</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)	Compulsory modules Economics 318(24), 348(24), 388(24) 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)

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 (128 or 136 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> Financial Accounting 288(32) Financial Management 214(16) Financial Risk Management 212(8), 242(8), 252 (6) Actuarial Sciences 211 (18) 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), 354(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 above-mentioned 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 (128 or 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 186(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)</p> <p>Recommended elective modules <i>Plus modules below to make up 128 or 144 credits.</i> Business Analytics 214(16), 244(16) Logistics Management 214(16), 244(16) Mathematical Statistics 214(16), 245(8), 246(8) <i>or</i> Statistics 214(16), 224(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> Logistics Management 314(12), 324(12), 344(12), 354(12) Project Management 314(24) Quantitative Management 318(24), 348(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%

Application procedure and closing date

Apply electronically at www.maties.com by **30 June** of the year before your intended studies. For more on the application and admission process, see section 1 of this chapter.

Duration of programme

Three years

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 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 within 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 376 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 (128, 136 or 138 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 (128 or 130 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)
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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)
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), 326(16), 344(16), 354(16)

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

Computer Science	314(16) or 315(16), 334(16), 344(16), 354(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 within 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) Mathematics 214(16), 244(16) Mathematical Statistics 214(16), 245(8), 246(8)16 Operational 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 314(16) or 315(16), 334(16), 344(16), 354(16) Mathematical Statistics 312(16), 316(16), 344(16), 364(16) Operational Research 314(16), 326(16), 344(16), 354(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)
<p>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)</p> <p>Plus Business Management 113(12), 142(6) and Computer Science 113(16)</p> <p><i>or</i> 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 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) <i>or</i> Financial Accounting 288(32) <i>or</i> Operations Research 214(16), 244(16)</p> <p><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.</i></p>	<p>Compulsory modules Financial Mathematics 378(32) Financial Risk Management 314(24), 344(24) Mathematical Statistics 312(16), 316(16), 344(16), 364(16)</p>

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 situation. 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 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 <i>Business Management 113(12) and 142(6) must be followed plus the compulsory modules listed below.</i> Mathematics 214(16), 244(16) Mathematical Statistics 214(16), 245(8), 246(8) Operations Research 214(16), 244(16) Business Analytics 214(16), 244(16) or any other module(s) with a total of 32 credits that fit in the timetables.</p>	<p>Compulsory modules Operations Research 314(16), 326(16), 344(16), 354(16)</p> <p>Recommended elective modules <i>Plus modules below that follow on second-year modules, to make up 120 credits.</i> Financial Mathematics 378(32) Logistics Management 314(12), 324(12), 344(12), 354(12) 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 6 months of international exchange, therefore you cannot transfer to this programme from another programme.

- 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. If your modules are not up to date at the beginning of your third academic year, you have to change your programme to BCom (Management Sciences).

It is not possible to transfer from another programme to BCom (International Business).

Application procedure and closing date

Apply electronically at www.maties.com by **30 June** of the year before your intended studies. For more on the application and admission process, see section 1 of this chapter.

Duration of programme

Four years

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 Part 4 (Arts and Social Sciences) of the University Calendar.

First year (120 credits)*Compulsory modules*

Business Management	113(12), 142(6)
Economics	114(12), 144(12)
Information Systems	112(6)
Statistics	186(18) <i>or</i>
Statistical Methods	176(18)
Theory of Interest	152(6)

Plus one of the following modules (24 credits).

Chinese	178(24) <i>or</i>
French	178(24) [if you did not have French in Grade 12] 188(24) [if you passed French in Grade 12] <i>or</i>
German	178(24) [if you did not have German in Grade 12] 188(24) [if you passed German in Grade 12]

Elective modules

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

Industrial Psychology	144(12)
Sociology	114(12), 144(12)
Academic Discourse	114(12)
Philosophy	114(12), 144(12)

Second year (144 credits)*Compulsory modules*

Economics	214(16), 244(16)
Financial Accounting	188(24)
Political Science	114(12), 144(12)

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

Entrepreneurship and Innovation Management	214(16), 244(16) <i>or</i>
Financial Management	214(16), 244(16)** <i>or</i>
Marketing Management	214(16) §, 244(16) §

**Please note that this module clashes with the elective module Investment Management 254(16). If you choose to register for both of them, you do so knowingly.

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

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), 222(8), 242(8), 252(8)

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

**Please note that these module timetables clash. If you choose to register for both of these modules, you do so knowingly.

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

Third year (132 or 136 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	312(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) [§]

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 due to timetable restrictions.

Fourth year (120 credits)*Compulsory modules*

Strategic Management	344(12)
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Plus one of the following subjects (all modules) to continue on your focus 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>
Marketing Management	314(12), 324(12), 344(12), 354(12) ^f

Elective modules

Plus at least 60 credits from the following:

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 due to timetable restrictions.

*** If you choose Financial Management 314 and 332, you cannot choose Social Anthropology 324 due to timetable restrictions.

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%

Application procedure and closing date

Apply electronically at www.maties.com by **30 June** of the year before your intended studies. For more on the application and admission process, see section 1 of this chapter.

Duration of programme

Three years

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.

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%

Application procedure and closing date

Apply electronically at www.maties.com by **30 June** of the year before your intended studies. For more on the application and admission process, see section 1 of this chapter.

Duration of programme

Three years

Professional qualification

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

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)
Economics	114(12), 144(12)
Financial Accounting	188(24)
Information Systems	152(6), 114(12), 144(12)
Statistics	186(18)
Theory of Interest	152(6)

Second year (128 credits)

All modules are compulsory.

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

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 (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%

Application procedure and closing date

Apply electronically at www.maties.com by **30 June** of the year before your intended studies. For more on the application and admission process, see section 1 of this chapter.

Duration of programme

Three years

Professional qualification

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

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)
Economics	114(12), 144(12)
Financial Accounting	188(24)
Information Systems	152(6), 114(12), 144(12)
Statistics	186(18)
Theory of Interest	152(6)

Second year (128 credits)

All modules are compulsory.

Financial Accounting	288(32)
Industrial Psychology (Special)	244(12)
Information Systems	214(6), 242(6)
Management Accounting	288(24)
Marketing Management	214(16)
Mercantile Law (Commerce)	285(32) [If you have passed Mercantile Law (Acc) 193, you do not register for Mercantile Law (Commerce) 285, but rather for Mercantile Law (Commerce) 253.]

Third year (144 credits)

All modules are compulsory.

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

5.4 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%

Application procedure and closing date

Apply electronically at www.maties.com by **30 June** of the year before your intended studies. For more on the application and admission process, see section 1 of this chapter.

Duration of programme

Three years

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:

- the BCom (Industrial Psychology) programme,
- the BComHons (Industrial Psychology) programme,
- BPsych Equivalence programme, and
- a 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 sat for a professional board examination.

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	186(18) <i>or</i>
Statistical Methods	176(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

- Select 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.)

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

Third year (At least 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)

5.5 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.

Application procedure and closing date

Apply electronically at www.maties.com by **30 June** of the year before your intended studies. For more on the application and admission process, see section 1 of this chapter.

Duration of programme

Three years

Professional qualification

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

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)
Economics	114(12), 144(12)
Financial Accounting	178(24)
Information Systems	114(12), 144(12)
Mercantile Law (Acc)	193(24)
Statistics	186(18)
Theory of Interest	152(6)

Second year (154 credits)*All modules are compulsory.*

Auditing	288(24)
Business Ethics	214(8)
Financial Accounting	278(32)
Information Systems	214(6), 242(6)
Management Accounting	278(30)
Mercantile Law (Acc)	292(24)
Taxation	298(24)

Third year (156 credits)*All modules are compulsory.*

Auditing	378(24)
Financial Accounting	379(48)
Information Systems	312(12)
Management Accounting	378(36)
Taxation	399(36)

6. Degree programmes that include studies in Law

6.1 BCom (Law)

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 National Senior Certificate average of at least 60%, excluding Life Orientation
- 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 Part 8 of the University Calendar, which is the Calendar Part for Law.

Application procedure and closing date

Apply electronically at www.maties.com by **30 June** of the year before your intended studies. For more on the application and admission process, see section 1 of this chapter.

Duration of programme

Three years

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.

Programme content

You must earn a total of 432 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 (150 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 en Nederlands	178(24)
Basic Xhosa	114(12), 144(12)
English Studies	178(24)
Latin	178(24)
Xhosa	178(24) or 188(24) (if you have first-language proficiency in Xhosa or Zulu)

Second year (152 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 (130 credits)

All modules are compulsory.

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

6.2 BAccLLB

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 Part 8 of the University Calendar, which is the Calendar Part for Law.

Application procedure and closing date

Apply electronically at www.maties.com by **30 June** of the year before your intended studies. For more on the application and admission process, see section 1 of this chapter.

Duration of programme

Five years

Professional qualification

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

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	186(18)
Theory of Interest	152(6)

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)

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)
Information Systems	312(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)
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.	
Private Law	411(12)

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 EDP if:

1. you meet the admission requirements for the EDP, *and*
2. you comply with the socio-economic status (SES) requirements of the University's admissions policy.

(You can find the University admissions policy and SES considerations on the University website, www.sun.ac.za, under "About us", "SU Policies". Look in the function group Teaching and Learning)

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 and the socio-economic status (SES) requirements in the University's admissions policy.
- The Faculty may use NBT results to inform decisions about placement in the EDP.

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

Application procedure and closing date

Follow the normal procedure for BCom programmes:

- Apply electronically at www.maties.com. Applications open in March.
- All applications close on **30 June**. (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 30 June (but before 30 September) whether you have provisional acceptance.

Duration of programme

Four years

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”).

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. Compulsory mentorship and progress monitoring are also added, which means that:

- You must take part in the module mentorship and tutorial programmes.
- You must meet with the programme leader regularly to monitor your progress.

Programme content

You must earn a total of 416 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
- Introduction to Financial Accounting 171

Please note the following prerequisite pass requirements for the EDP:

Prerequisite pass	For this purpose
Mathematics for EMS 171	Statistical Methods 176 or Statistics 186
Introduction to Economics 141	Economics 114
Introduction to Financial Accounting 171	Financial Accounting 188
Academic Literacy for EMS 111	Overall re-admittance to the second year

First year (90 credits)*Compulsory modules*

Academic Literacy for Economic and Management Sciences	111(12)
Business Management	113(12), 142(6)
Introduction to Economics	141(12)
Introduction to Financial Accounting	171(24) <i>or</i>
Financial Accounting	188(24) [If you passed Accounting at Grade 12 level, you must enrol for Financial Accounting 188. This selection will influence how you take Financial Accounting in subsequent years.]
Mathematics for Economic and Management Sciences	171(18)
Theory of Interest	152(6)

Second year (104 credits)*Compulsory modules*

Economics	114(12), 144(12)
Information Systems	112(6)
Financial Accounting	188(24)
Statistical Methods	176(18)

If you have already passed Financial Accounting 188 in the first year, select first-year modules of at least 24 credits from the list below.

Business Communication	142(12)
Industrial Psychology	114(12)
Public and Development Management	114(12), 144(12)
Introduction to Transport and Logistics Systems	144(12)

Elective modules

Select at least one of the following subjects to a total of no less than 32 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), 262(8), 254(16)
Logistics 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 Management	214(16), 244(16)*
Financial Accounting	288(32)
Industrial Psychology	214(16), 224(16)*, 252(8), 262(8)
Information System Management	224(16), 262(8), 254(16)
Logistics Management	214(16)*, 244(16)*
Marketing Management	214(16)*, 244(16)*
Transport Economics	214(16), 244(16)

Fourth year (120 credits)

Compulsory modules

One of the following subjects (choose the all modules of 48 or 60 or 64 credits):

Economics	318(24), 348(24)
Entrepreneurship and Innovation Management	318(24), 348(24)
Financial Management	314(12), 332(12), 352(12), 354(12)
Industrial Psychology	314(12), 324(12), 348(24)
Information System Management	314(18), 334(18), 364(18), 354(18)
Logistics Management	314(12), 324(12), 344(12), 354(12)
Marketing Management	314(12), 324(12), 344(12), 354(12)
Quantitative Management	318(24), 348(24)
Transport Economics	318(24), 348(24)

Elective modules

- Plus modules from the list below to make up at least 120 credits.
- You may also choose modules from the list above that you have not taken yet.

Auditing	388(24)
Management of Corporate Social Responsibility	314(12)
Economics	381(24), 388(24)
Project Management	314(24)
Strategic Management	344(12)
Taxation	388(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 through it 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 masters level by the department, school or centre where they are offered. The campus or facility is indicated in *italics* where necessary. All departments 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		MPhil
HIV/AIDS Management		HIV/AIDS Management
Department of Business Management		
PGDip	BComHons	MCom
Marketing	Business Management	Business Management
Department of Economics		
	BComHons	MCom
	Economics	Economics
	Economics and Mathematical Statistics (with the Department of Statistics and Actuarial Science)	
Department of Industrial Psychology		
	BComHons	MCom
	Human Resource Management	Human Resource Management
	Industrial Psychology	Industrial Psychology
Department of Information Science (Faculty of Arts and Social Sciences)		
	BComHons	
	Information Systems Management	
Department of Logistics		
PGDip	BComHons	MCom
Transport and Logistics	Logistics Management	Logistics Management
	Operations Research	Operations Research
	Quantitative Management	Quantitative Management
	Transport Economics	Transport Economics

Department of Statistics and Actuarial Science		
PGDip	BComHons	MCom
Actuarial Science	Actuarial Science	Actuarial Science
	Financial Risk Management	Financial Risk Management
	Mathematical Statistics	Mathematical Statistics
	Statistics	Statistics
	Economics and Mathematical Statistics (with the Department of Economics)	
School of Accountancy		
	BComHons	MCom
		Computer Auditing
		Financial Accounting
	Management Accounting	Management Accounting
		Taxation
	BAccHons	MAcc
		Auditing
		Financial Accounting
		Management Accounting
		Taxation
School of Public Leadership (SPL), Bellville Park		
PGDip	BComHons	MCom
	Public and Development Management	Public and Development Management
	BAHons	MA
	Public Administration	Public and Development Management
	BPubAdminHons	M in Public Administration
		MPhil
Environmental Management <i>Stellenbosch</i>		Environmental Management <i>Stellenbosch</i>
Sustainable Development <i>Sustainability Institute, Lynedoch</i>		Sustainable Development <i>Sustainability Institute, Lynedoch</i>

US Business School (USB), Bellville Park		
PGDip		MPhil
Development Finance		Development Finance
Futures Studies		Futures Studies
Financial Planning		Management Coaching
Leadership Development		
Project Management		
Business Management and Administration		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 general rules and provisions regarding tests and examinations, consult Part 1 (General: Policies and Rules) of the University Calendar. Please take note of the explanation in the section “Provisions Relating to Examinations and Promotions”.
- For the general specifications for assignments, theses and dissertations, consult the section “Postgraduate Qualifications” in Part 1 of the Calendar.
- For specific information relating to the assignment, thesis or dissertation for an individual programme, consult the programme coordinator 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 coordinator.

1.6 Different campuses and facilities

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

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 links to the University's and the Faculty's RPL regulations, see the chapter "General information" at the beginning of this book.

2.1 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:
 - all seven of the foundation technical and intermediate technical examinations of the Actuarial Society of South Africa;

or

 - all seven of the core principles examinations of the Institute and Faculty of Actuaries.

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 of programme and starting date

Duration: One year, full-time.

Starting date: January.

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)

Choose at least 120 credits from the list of elective modules below.

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

2.2 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.

Further requirements

In addition to the requirements above, you must:

- complete the SHL selection test for Numeric, Verbal and Inductive Reasoning. This can be done either on campus or online (please contact the USB for more information);
- submit a comprehensive CV indicating all of your work experience;
- write two entrance essays.

Selection

A mark of at least 40% in Mathematics at NNS (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.

Application procedure and closing date

Contact the University of 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 for both the blended learning option and the modular 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

Programme coordinator: Edwina Sonnenberg

University of Stellenbosch Business School

Tel: 021 918 4254

E-mail: edwina@sun.ac.za

Website: www.usb.ac.za

Programme structure

This programme is presented at the Bellville Park campus.

You must complete twelve compulsory modules and three elective modules.

The programme is presented in two formats:

- **Blended learning:** This is a mixed learning format comprising compulsory on-campus blocks of classes that are generally presented in January and November. In between these blocks, classes are presented in the late afternoon on Wednesdays, and you can choose between attending these classes on-campus or following them online.
- **Modular:** This format is delivered in five one-week blocks (Monday to Saturday) spread over one year. The modular blocks are generally presented in January, April, June, September and November.

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 (96 credits)

Code	Module	Credits	Module Name	Semester
13163	716	8	Digital Quotient	Both
51810	716	8	Economics for Managers	Both
47872	716	8	Entrepreneurship	Both
13159	716	8	Information System Principles	Both
11747	716	8	Innovation Management	Both
13158	716	8	Managerial Accounting	Both
13157	716	8	Managerial Statistics	Both
23795	716	8	Marketing Management	Both
13152	716	8	Organisational Behaviour	Both
13160	716	8	Principles of Operations	Both
60763	716	8	Sustainable Enterprise	Both
13162	716	8	Systems Methods	Both

Elective modules (24 credits)

Choose three modules.

Code	Module	Credits	Module Name	Semester
13871	716	8	Capita Selecta Business Strategy	Both
13867	716	8	Capita Selecta Innovation	Both
13868	716	8	Capita Selecta International Business	Both
13695	716	8	Capita Selecta Marketing Management	Both
13869	716	8	Capita Selecta Operations and Technology	Both
51330	716	8	Futures studies	Both
12299	716	8	Management Coaching	Both
51993	717	8	Project Management	Both
12584	716	8	Risk Management	Both

2.3 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.

Application procedure and closing date

Contact the University of 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 year, modular.

Starting date: February.

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

The Programme Coordinator: Mandy Samuels

University of Stellenbosch Business School

Tel: 021 918 4206

Website: www.usb.ac.za

Programme structure

This programme is presented at the Bellville Park campus. It is a modular programme with two on-campus blocks of classes spread over one year. These on-campus classes are generally held in February/March and July/August. In the first block, you take four modules:

- Financing for Development,
- Financial Analysis and Project Appraisal,
- Research Orientation, and
- Risk Management in Development Finance Institutions.

In the second block, you take:

- Financing Public Sector Projects,
- Small-Scale Enterprise Development, and
- two elective modules.

You must therefore altogether complete six compulsory and two elective modules.

Programme content

Programme module

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

	Module	Credits	Module Name	Semester
58424	778	120	Development Finance	Both

The modules to take are listed below.

Compulsory modules (90 credits)

Code	Module	Credits	Module Name	Semester
12445	715	15	Financial Analysis and Project Appraisal	Both
14096	715	15	Financing for Development	Both
14098	715	15	Financing Public Sector Projects	Both
11325	715	15	Research Orientation	Both
11327	715	15	Risk Management in Development Finance Institutions	Both
62197	715	15	Small-Scale Enterprise Development	Both

Elective modules (30 credits)

Choose two modules from the list below.

Code	Module	Credits	Module Name	Semester
11329	715	15	Agricultural Finance	Both
12345	715	15	Leadership in Development Finance	Both
11326	715	15	Monitoring and Evaluation of Development Projects	Both
14099	715	15	Housing Policy and Finance	Both
12707	715	15	Social Entrepreneurship	Both

2.4 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
 - Any other field regarded as equivalent.
 - Other qualifications could be accommodated on the basis of equivalent programme content and relevant work experience as indicated on your application.
 - Public and Development Management
 - Sociology
 - Botany
 - Agricultural Economics
 - Forestry
 - Civil Engineering
 - Town and Regional Planning

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.

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.

Enquiries

You can obtain a brochure and further information from the programme coordinator:

Ms Jennifer Saunders

School for Public Leadership

Tel: 021 808 2151

E-mail: jjjs3@sun.ac.za

Website: www.spl.sun.ac.za

Programme structure

The programme is presented on a modular 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
12531	771	15	Renewable Energy Financing	Both
58718	771	15	Sustainable Development	Both

Please note:

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

2.5 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%.

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, blended 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

Programme coordinator: Melanie Koopman

University of Stellenbosch Business School

Tel: 021 918 4269

E-mail: melaniek@sun.ac.za

Website: www.usb.ac.za

Programme structure

The programme is presented at the Bellville Park campus through blended learning.

Lectures take place on Tuesday and Thursday evenings at the Bellville Park campus and you can choose to attend in person or connect via any internet-linked device. You can choose to complete the programme in either one or two years. The four modules are presented consecutively. This makes it possible for students who have enough experience in financial planning to complete all four modules in one year.

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
10455	711	30	Financial Planning Environment	1
10574	713	30	Corporate Financial Planning	1
10647	742	30	Personal Financial Planning	2
10454	744	30	Financial Planning Case Study	2

2.6 Postgraduate Diploma in Futures Studies

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.

Application procedure and closing date

Contact the University of 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, blended learning.

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

Programme coordinator: Mireille de Villiers-Kleynhans

University of Stellenbosch Business School

Tel: 021 918 4203

E-mail: mdvk@sun.ac.za

Website: www.usb.ac.za

Programme structure

The programme is presented at the Bellville Park campus through blended learning. Classes are scheduled for one evening per week from February to September and you can choose to attend in

person or connect via any internet-linked device. There is a compulsory on-campus block of four days at the start of the programme in January, which all students are required to attend.

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

All modules are compulsory.

Code	Module	Credits	Module Name	Semester
11319	763	20	Applied Philosophy	Both
11318	762	20	Applied Systems Thinking	Both
11323	766	20	Managing for Change	Both
11321	764	20	Measuring and Making the Future	Both
11317	761	20	Principles of Futures Studies	Both
11322	765	20	Understanding the World	Both

2.7 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).

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, blended learning.

Starting date: January.

Enquiries

Programme Manager: Ms Renice Williams

Africa Centre for HIV/AIDS Management

Tel: +27 (0)21 808 3002

E-mail: pdm@sun.ac.za

Website: www.aidscentre.sun.ac.za

Programme structure

The Africa Centre for HIV/AIDS Management presents 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

2.8 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.

Application procedure and closing date

Contact the University of 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, modular.

Starting date: February.

Enquiries

Programme coordinator: Melanie Koopman

University of Stellenbosch Business School

Tel: 021 918 4269

E-mail: melaniek@sun.ac.za

Website: www.usb.ac.za

Programme structure

This programme is presented at the Bellville Park campus.

It is a modular programme with five on-campus blocks of classes spread over one year. The five on-campus blocks of classes are generally in February, April, June, September, and November.

You must complete seven compulsory and one elective module.

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)

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 focus area programme set out below.

*Focus 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 modules (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.

Code	Module	Credits	Module Name	Semester
14089	719	20	International NPO Leadership	Both

2.9 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, services marketing.

Selection

Strictly according to admission requirements and performance in bachelor's degree. Only full-time students will be considered for the programme.

Application procedure and closing date

- You can apply through the standard Stellenbosch University application process by visiting www.sun.ac.za/pgstudies.
- South African as well as international applicants must apply by **31 October** of the year before their intended studies.
- 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.

Duration of programme and starting date

Duration: One year, full-time, from January to November.

Starting date: The last week of January.

Enquiries

Postgraduate Coordinator: Ms. Annali Maass

Department of Business Management

Tel: +27(0)21 808 3415

E-mail: apaint@sun.ac.za or marketingdiploma@sun.ac.za

Website: www.sun.ac.za/business

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
11158	716	10	Advertising and Sales Promotion	1
10532	719	10	Brand Management	1
59625	715	7	Consumer Behaviour	1
11157	717	5	Financial Methods	2
10538	718	5	Industrial Marketing	1
60801	714	13	Introduction to Marketing	1
10425	746	5	Marketing Channels	2
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

2.10 Postgraduate Diploma in Project Management

Admission requirements

- A relevant bachelor's degree.
- A minimum of two years' experience in a project management position.

Application procedure and closing date

Contact the University of 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, modular.

Starting date: March.

Enquiries

Programme coordinator: Olivia Mesias

University of Stellenbosch Business School

Tel: 021 918 4150

E-mail: leoo@sun.ac.za

Website: www.usb.ac.za

Programme structure

This programme is presented at the Bellville Park campus. It is a modular programme consisting of on-campus blocks of classes spread over each year. In the first year, there are three on-campus blocks that generally take place in March, July, and October. Details for the on-campus blocks for the second year will be made available in the first year.

You must complete eight compulsory modules over the course of the two years. This means four modules in the first year and four modules in the second year.

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

All modules are compulsory.

Code	Module	Credits	Module Name	Semester
12977	713	20	Fundamentals of Management	Both
12978	713	20	Managing Projects	Both
12979	713	8	Project Communication Management	Both
12980	714	20	Project Cost Management	Both
12981	714	20	Project Leadership and EQ	Both

Code	Module	Credits	Module Name	Semester
12982	713	8	Project Procurement Management	Both
10851	713	12	Project Risk Management	Both
12983	714	12	Project Scheduling	Both

2.11 Postgraduate Diploma in Sustainable Development

Interdepartmental and interfaculty collaboration

This is a structured transdisciplinary postgraduate diploma which is presented by the School of Public Leadership in partnership with the Sustainability Institute and the Centre for Complex Systems in Transition.

Admission requirements

- Any bachelor's or BTech degree or a relevant four-year diploma with a 60% pass mark in one of the following major subjects. Relevant work experience will also be considered for admission.
 - Town and Regional Planning,
 - Housing,
 - Geography and Environmental Studies,
 - Sociology,
 - Social Sciences,
 - Psychology,
 - Economics,
 - Public and Development Management,
 - Geology,
 - Botany,
 - Zoology,
 - Forestry,
 - Ecology/Nature, Conservation,
 - Mathematics,
 - Statistics,
 - Agricultural Economics,
 - Transport Economics,
 - Forestry,
 - Civil/Structural/Mechanical/Electrical Engineering,
 - Architecture,
 - Land Surveying,
 - 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 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).

Selection

The criteria for selection include academic excellence, work experience, an appropriate mix of disciplines, career commitment in the broad field of sustainable development and a well-written motivation.

Application procedure and closing date

Apply by **31 August** of the year before your intended studies, except if the programme coordinator allows you to apply later.

Duration of programme and starting date

Duration: One year, full-time, or two years, part-time.

Starting date: January.

Enquiries

Address your enquiries regarding the programme content, study fees and application procedure to the Programme Administrator:

Ms Beatrix Steenkamp

School of Public Leadership

Tel: 021 881 3952

E-mail: bsteenkamp@sun.ac.za

Website: www.spl.sun.ac.za

Programme structure

All modules are presented at the Sustainability Institute at Lynedoch, unless specified otherwise by the programme coordinator from time to time. The programme is composed of coursework consisting of one compulsory and seven elective modules. It is presented in a modular 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). 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
58122	788	120	Sustainable Development Planning and Management	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
11198	775	15	Applied Economics	Both
11490	772	15	Biodiversity and Ecosystem Services	Both
13703	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
13707	773	15	Leading Transitions and Environmental Ethics	Both
12531	771	15	Renewable Energy Financing	Both
11651	771	15	Renewable Energy Policy	Both
11199	775	15	Sustainable Cities	Both
12530	771	15	System Dynamics Modelling	Both
13698	776	15	Transdisciplinary Design for Transformation	Both

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 (PGDip in Environmental Management)

Code	Module	Credits	Module Name	Semester
55492	771	15	Development Planning and Environmental Analysis	Both

2.12 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.

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 year full-time from January to November.

Starting date: The last week in January.

Enquiries

Programme coordinator: Dr Neil Jacobs

Department of Logistics

Tel: 021 808 2256

E-mail: neil@sun.ac.za

Website: www.sun.ac.za/logistics

Programme content

Programme module

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

Code	Module	Credits	Module Name	Semester
13760	788	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
13475	711	15	Introduction to Transport Economics	1
13474	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
13480	741	15	Inventory Management	2
10911	723	15	Introductory Forecasting	1
59145	744	15	Road Transport Management	1
14024	773	15	Maritime Economics	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 things like selection and postgraduate assessment. For information on the recognition of prior learning (RPL), and links to the University's and the Faculty's RPL regulations, 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 did not pass the equivalent of subject A213 at university, or if you completed a bachelor's degree in which all seven of the foundation and intermediate technical subjects were taken, you must have at least six exemptions.

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 of programme and starting date

Duration: A minimum of one year, full-time.

Starting date: January

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 compulsory and 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 (108 credits)

Code	Module	Credits	Module Name	Semester
10363	737	18	Financial Economics (A205/CT8)	Both
12302	774	60	Actuarial Risk Management (A311)	Both
12991	791	30	Research Assignment: Actuarial Science	Both

Elective modules (at least 12 credits)

Choose modules totalling at least 12 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).

In addition to (not instead of) the above, you may also choose to take the following module:

Code	Module	Credits	Module Name	Semester
10371	773	6	Communications (N211)	1

3.1.2 BComHons (Business Management)

Admission requirements

- One of the following:
 - A BA, BCom or BAgricAdmin degree from this University, or
 - Another bachelor's degree that has been approved by Senate.
- An average of 60% in the modules from the respective focal areas offered by the Department of Business Management. (See the honours brochure that is available on the Department's website.)

Further requirements

- Please consult the website of the Department of Business Management (especially if you graduated in another department) as there are both general prerequisites for postgraduate study and module-specific requirements for individual postgraduate modules. Visit www.sun.ac.za/business. Also see Appendix B in this book.
- In order to be admitted, you must also complete a compulsory orientation programme during the week before classes officially start.

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 year, full-time.

Starting date: One week before the other classes at the University begin.

Enquiries

Postgraduate Coordinator: Ms Annali Maass

Department of Business Management

Tel: +27 (0)21 808 3415

E-mail: apaint@sun.ac.za

Website: www.sun.ac.za/business

Programme structure

The Department of Business Management will allocate all applications for this programme to one of the following focus areas:

- BComHons (Business Management): Specialisation in Marketing Management
- BComHons (Business Management): Specialisation in Financial 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 the University of Stellenbosch 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
11149	741	18	Advanced Marketing Management*	2
11151	742	18	Advanced Strategic Management	1
13693	771	18	Capita Selecta: Entrepreneurship and Innovation Management*	Both
13695	771	18	Capita Selecta: Marketing Management*	Both
13694	771	18	Capita Selecta: Financial and Investment Management*	Both
65226	711	18	Corporate Venturing	2
11141	711	18	Financial Derivative Instruments*	1
51047	713	18	Financial Management	1
11147	717	9	Fixed Interest Securities	2
12234	717	9	Fix Interest Rate Security Portfolio Management	2
11155	744	18	International Business	2
59595	713	18	International Marketing	1
65196	711	18	Managing Innovation and Breakthrough Ideas	1
62138	712	18	Marketing Communication	2
10399	747	18	Marketing Research*	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 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
11149	741	18	Advanced Marketing Management*	2
11151	742	18	Advanced Strategic Management	1
65226	711	18	Corporate Venturing	2
11141	711	18	Financial Derivative Instruments*	1
12234	717	9	Fix 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
62138	712	18	Marketing Communication	2
10399	747	18	Marketing Research*	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 of Business Management.

3.1.2.2 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
11149	741	18	Advanced Marketing Management*	2
62138	712	18	Marketing Communication	2
10399	747	18	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	Fix 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 of Business Management.

3.1.2.3 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
11149	741	18	Advanced Marketing Management*	2
13693	771	18	Capita Selecta: Entrepreneurship and Innovation Management*	Both
13694	771	1818	Capita Selecta: Financial and Investment Management*	Both
11141	711	18	Financial Derivative Instruments*	1
51047	713	18	Financial Management	1
12234	717	9	Fix 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
62138	712	18	Marketing Communication	2

Code	Module	Credits	Module Name	Semester
10399	747	18	Marketing Research*	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 of Business Management.

3.1.2.4 BComHons (Financial Analysis)

Admission requirements

- One of the following:
 - A BCom (Management Sciences) degree from Stellenbosch University, or
 - A BCom degree with Investment Management as focal area from Stellenbosch University *or*
 - Another bachelor's degree that has been approved by Senate;
- An average of 65% in the third-year Investment Management modules;
- A pass mark for Financial Management 314 and 332.

Further requirements

- Please consult the website of the Department of Business Management (especially if you graduated in another department) as there are both general prerequisites for postgraduate study and module-specific requirements for individual postgraduate modules. Visit www.sun.ac.za/business. Also see Appendix B in this book.
- In order to be admitted, you must also complete a compulsory orientation programme during the week before classes officially start.

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
11147	717	9	Fixed Interest Securities	2
12234	717	9	Fix Interest Rate Security Portfolio Management	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

3.1.3 BComHons (Economics)

Admission requirements

- A bachelor's degree with an average mark of at least 60% for Economics 3.
- At least 60% as your achievement mark in the intensive Mathematics course that precedes the formal programme.
- Grade 12 Mathematics at least 60%.

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 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.

Enquiries

Programme coordinator: Prof Dieter von Fintel

Department of Economics

Tel: 021 808 2242

E-mail: dieter2@sun.ac.za

Website: www.ekon.sun.ac.za

Programme structure

You can choose one of the two focus areas for this programme:

- Pure Economics or
- Financial Economics.

Each focus area consists of compulsory as well as elective modules. The semester in which the modules are presented may change at short notice from year to year.

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.

Pure Economics

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 (totalling 40, 44, 50 or 54 credits). Not all the modules are necessarily presented every year.

Code	Module	Credits	Module Name	Semester
11267	773	20	Advanced Cross-section Econometrics*,**	2
12528	772	20	Advanced Time Series Econometrics*,**	2
10742	771	10	Applied Macroeconomics I	Both
10743	772	10	Applied Macroeconomics II	Both
10745	771	10	Applied Microeconomics I	Both
10746	771	10	Applied Microeconomics II	Both
52000	771	14	Capita Selecta: Economics	2
10635	771	10	Development Economics	1
10436	771	10	Economic History	1
10432	771	10	Economics of Education I	2

Code	Module	Credits	Module Name	Semester
10434	771	10	Economics of Technological Change**	2
59617	771	10	Environmental Economics**	2
12228	771	10	Financial Economics	2
13469	771	10	Health Economics**	2
11263	771	10	Industrial Organisation	2
64041	771	10	Institutional Economics**	2
10554	771	10	International Finance	1
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	2

* You must be selected for this module.

**As a rule, these modules are only presented every second year. You must contact the Department to find out which modules will be presented in a specific year.

Financial Economics

Compulsory modules

Code	Module	Credits	Module Name	Semester
10541	771	12	Introductory Econometrics	1
10554	771	10	International Finance	1
10595	771	12	Macroeconomics	2
10760	771	14	Mathematical Methods for Economics	1
10605	771	12	Microeconomics	1
64033	771	10	Monetary Economics	2
11143	771	10	Public Economics	2
11216	771	30	Research Assignment: Economics	Both

Elective modules

Code	Module	Credits	Module Name	Semester
11141	711	18	Financial Derivative Instruments* <i>or</i>	1
12228	771	10	Financial Economics <i>or</i>	2
11144	745	18	Portfolio Management**	2

* A final mark of 65% in Investment Management 344 is a prerequisite.

**Investment Management 254 is a prerequisite pass module. Investment Management 314, 324 and 354 are strongly recommended. You must be selected for Portfolio Management.

3.1.4 BComHons (Economics and Mathematical Statistics)

Interdepartmental and interfaculty collaboration

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

Admission requirements

- You 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 Economics 3,
 - Department of Statistics and Actuarial Science: at least 65% average for Mathematical Statistics 3;
- Grade 12 Mathematics at least 70%.

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 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.

Enquiries

Programme coordinator: Prof Dieter von Fintel

Department of Economics

Tel: 021 808 2242

E-mail: dieter2@sun.ac.za

Website: www.ekon.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.
- As a rule, the two Advanced Econometrics modules (marked with an asterisk (*)) alternate so that each one is only presented every second year. You must contact the Department of Economics to find out which module will be presented in a given year.

Code	Module	Credits	Module Name	Semester
11267	773	20	Advanced Cross-section Econometrics* <i>or</i>	2
12528	772	20	Advanced Time Series Econometrics* <i>or</i>	2
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

Please note:

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.
- All the modules are not necessarily offered every year.
- Of the three Econometrics modules above, you may choose only one as an elective.
- 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.

Code	Module	Credits	Module Name	Semester
11267	773	20	Advanced Cross-section Econometrics*	2
12528	772	20	Advanced Time Series Econometrics*	2
10742	771	10	Applied Macroeconomics I	Both
10743	772	10	Applied Macroeconomics II	Both
10745	771	10	Applied Microeconomics I	Both
10746	771	10	Applied Microeconomics II	Both
10635	771	10	Development Economics	1
10436	771	10	Economic History	1
10432	771	10	Economics of Education I	2
10434	771	10	Economics of Technological Change*	2
59617	771	10	Environmental Economics*	2
12228	771	10	Financial Economics	2
13469	771	10	Health Economics*	2
11263	771	10	Industrial Organisation	2
64041	771	10	Institutional Economics*	2
10554	771	10	International Finance	1
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	2

Elective modules in Mathematical Statistics

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

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 year, full-time.

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

Enquiries

Programme leader: Prof Willie Conradie
 Department of Statistics and Actuarial Science
 Tel: 021 808 3247
 E-mail: wjc@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 and 348;
- A pass mark for the following Industrial Psychology modules:
 - 114 and 144,
 - 214, 224, 252 and 262,
 - 314, 324 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 (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

A limited number of students are selected primarily based on academic performance and relevant competency requirements of the profession. If you are selected, you must inform the Department of Industrial Psychology in writing by 10 December whether or not you will be proceeding with the programme.

Application procedure and closing date

South African students must apply by **31 October** of the year before their intended studies and international students by 01 September. You must complete two applications:

1. The official University application, available from www.sun.ac.za/pgstudies, and
2. The Departmental application available in the "Students" section on the Departmental website, www.sun.ac.za/industrial_psychology.

Late applications will be considered only in exceptional cases. No applications for admission to the honours programme in the second semester will be considered.

Duration of programme and starting date

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.

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

Administrative Officer: Ms CM Cillie

Department of Industrial Psychology

Tel: 021 808 3005

E-mail: cmcillie@sun.ac.za

Website: https://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
12943	773	30	Research Assignment: Human Resource Management	Both
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
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 modules (40 credits)

To take these modules, you must have passed Industrial Psychology 224.

Code	Module	Credits	Module Name	Semester
13170	721	18	Consumer Psychology: I	1
13171	751	18	Consumer Psychology: II	2

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 Department of Industrial Psychology selects a limited number of students based primarily on academic performance and relevant competency requirements of the profession. If you are selected, you must inform the Department in writing by 10 December whether or not you will be proceeding with the programme.

Application procedure and closing date

South African students must apply by **31 October** of the year before their intended studies and international students by 01 September. You must complete two applications:

1. The official University application, available from www.sun.ac.za/pgstudies, and
2. The Departmental application available in the "Students" section on the Departmental website: www.sun.ac.za/industrial_psychology.

Late applications will be considered only in exceptional cases. No applications for admission to the honours programme in the second semester will be considered.

Duration of programme and starting date

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.

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

Administrative Officer: 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

The programme consists of nine compulsory modules, one of which is a research assignment.

Programme contents

Programme modules

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
11344	773	30	Research Assignment: Industrial Psychology	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

Code	Module	Credits	Module Name	Semester
10665	776	12	Psychometrics: Measurement Theory, Test Construction and Decision-making	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 (Information Systems Management)

Interdepartmental and interfaculty collaboration

This programme is offered by the Department of Information Science in the Faculty of Arts and Social Sciences.

Admission requirements

Any bachelor's degree (NQF Level 7 qualification) in:

- Informatics,
- Information Systems Management or
- Computer Science.

For example, BCom (Management Sciences) (Focus Area in Information Systems Management) or BA (Socio-Informatics).

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 year.

Starting date: Classes start with the other classes at the University.

Enquiries

Alma van der Spuy

Information Science

Tel: 021 808 2423

E-mail: informa@sun.ac.za

Website: www.suninformatics.com

Programme content

Programme module

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

Code	Module	Credits	Module Name	Semester
11852	778	120	Information Systems Management	Both

All modules are compulsory.

Code	Module	Credits	Module Name	Semester
13365	771	30	Advanced Information Systems Theory and Practice	Both
13367	771	30	Computing in Information Systems	Both
13368	771	30	Information and Knowledge in Organisations	Both
13369	771	30	Research Assignment: Information Systems Management	Both

3.1.9 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

Selection for this programme is primarily based on your academic performance. To find out about additional criteria, contact the Department directly on the details provided below under "Enquiries".

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 of programme and starting date

Duration: One year, full-time.

Starting date: One week before the other classes at the University begin.

Enquiries

Programme coordinator: Ms Ulrike Kussing

Department of Logistics

Tel: 021 808 4173

E-mail: uk@sun.ac.za

Website: www.sun.ac.za/logistics

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.

	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 coordinator 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
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 coordinator. For more information, please contact the programme coordinator.

3.1.10 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.

Application procedure and closing date

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

Duration of programme and starting date

Duration: One year, full-time.

Starting date: With the other classes at the University.

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 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*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
10710	783	20	Strategic Management Accounting	Both
10712	782	20	Strategic Financial Management	Both

3.1.11 BComHons (Mathematical Statistics)

Admission requirements

- A bachelor's degree with an average mark of at least 65% for Mathematical Statistics 3.

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 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.

Enquiries

Programme coordinator: 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.
- 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 (36 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 84 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 following prerequisite:

Data Mining 741(12) is a prerequisite for Statistical Learning Theory 771.

3.1.11.1 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.

or

- A bachelor's degree with an average mark of at least 65% in Mathematical Statistics 2 and a satisfactory mark in Computer Science on third-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.

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 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.

Enquiries

Programme coordinator: 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 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 Part 5 (Science) of the University Calendar. 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.

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).

3.1.12 BComHons (Operations Research)

Admission requirements

- A bachelor's degree 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.

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 year, full-time.

Starting date: At the latest, one week before the other classes at the University begin.

Enquiries

Programme coordinator: Dr Isabelle Nieuwoudt

Department of Logistics

Tel: 021 808 3969

E-mail: isabelle@sun.ac.za

Website: www.sun.ac.za/logistics

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 coordinator 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

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 coordinator.

3.1.13 BComHons (Public and Development Management)

Admission requirements

- A BA, BAdmin, BEcon or BCom degree in Public and Development Management with an acceptable study record.
- 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.

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, modular and interactive telematics education.

Starting date: End of January.

Enquiries

Programme coordinator: Ms Lydia Meyer

School of Public Leadership

Tel: 021 918 4192

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

Website: www.spl.sun.ac.za

Programme structure

This programme is presented by means of modular and interactive telematics education. Modular presentation means that you must attend blocked contact sessions of one to two weeks of lectures in February and June on the Bellville Park campus or in Tshwane. For the interactive telematics presentations, you must 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. The lectures are presented on television from a studio at Stellenbosch and transmitted by satellite to the different study centres in southern Africa. You can interact telephonically with the lecturer during a transmission. For the remaining time, when you are not attending blocked or telematics 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
12586	761	9	Governance: Economics	1
12587	761	9	Governance: Politics <i>or</i>	1
11648	761	9	Local Governance	1
60682	761	9	Information and Communication Technology for Management	2
58661	761	9	Leadership and Change Management	2
12529	761	9	Organisation Design	1
11345	761	30	Orientation to Research Methodology: Public and Development Management	Both
59250	761	9	People Management	1
51993	761	9	Project Management	2
12229	761	9	Public Policy Management	2
58718	761	9	Sustainable Development	1

3.1.14 BComHons (Quantitative Management)

Admission requirements

- A BCom degree, or a bachelor's degree other than a BCom degree; and
 - An average of at least 60% for Quantitative Management at third-year level.
- or*
- A qualification considered by the Department of Logistics to be of equal standing.

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 year, full-time.

Starting date: At the latest, one week before the other classes at the University begin.

Enquiries

Programme coordinator: Prof Hannelie Nel

Department of Logistics

Tel: 021 808 2728

E-mail: jhnel@sun.ac.za

Website: www.sun.ac.za/logistics

Programme content*Programme module*

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

Code	Module	Credits	Module Name	Semester
58351	778	120	Quantitative Management	Both

Compulsory modules (60 credits)

Code	Module	Credits	Module Name	Semester
12721	741	15	Methods of Quantitative Management	2
12722	711	15	Quantitative Modelling	1
11047	772	30	Research Assignment: Quantitative Management	Both

*Elective modules (at least 60 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 coordinator to find out which modules will be available.

Code	Module	Credits	Module Name	Semester
12723	771	15	Capita Selecta (Quantitative Management)	Both
11485	722	15	Customer Service and Logistics Interface Management	1
10933	753	15	Forecasting	2
10911	723	15	Introductory forecasting	1
10925	742	15	Location of facilities	2
59145	744	15	Road Transport Management	1
11481	722	15	Supply Chain Forecasting and Planning	2
11482	742	15	Supply Chain Strategy Change Management and Governance	2
11483	722	15	Supply Chain Performance Management and Technology Enablement	2
13077	714	15	Supply Management (Inbound)	2
13078	714	15	Supply Management (Outbound)	1
13472	741	15	Warehouse Operations Management	1

3.1.15 BComHons (Statistics)

Admission requirements

- A bachelor's degree with an average mark of at least 65% for Statistics 3.

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 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.

Enquiries

Programme coordinator: 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 (36 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 84 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

3.1.16 BComHons (Transport Economics)

Admission requirements

- A BCom or another bachelor's degree that has been approved by Senate for the purpose;
- Transport Economics at third-year level with an average final mark of at least 60%.

Selection

Selection is done in order of academic performance – the students with the best performance are selected first.

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 year, full-time.

Starting date: One week before the other classes at the University begin.

Enquiries

Programme coordinator: Mr Melrick October

Department of Logistics

Tel: 021 808 2412

E-mail: mcoctober@sun.ac.za

Website: www.sun.ac.za/logistics

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 (90 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 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 coordinator 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 BHons

3.2.1 BPubAdminHons

Admission requirements

- A BAdmin degree in Public and Development Management with an acceptable study record;

or

- Any university degree, BTech degree or four-year tertiary diploma with an acceptable study record and appropriate work exposure;

and

Six admission modules at NQF level 7 that you must pass (see the list below);

or

- Any three-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
- Computer Skills in Public and Development Management.

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, modular and interactive telematics education.

Starting date: End of January.

Enquiries

Programme coordinator: Ms Lydia Meyer

School of Public Leadership

Tel: 021 918 4192

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

Website: www.spl.sun.ac.za

Programme structure

This programme is presented by means of modular and interactive telematics education. Modular presentation means that you must attend blocked contact sessions of one to two weeks of lectures in February and June on the Bellville Park campus or in Tshwane. For the interactive telematics presentations, you must 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. The lectures are presented on television from a studio at Stellenbosch and transmitted by satellite to the different study centres in southern Africa. You can interact telephonically with the lecturer during a transmission. For the remaining time, when you are not attending blocked or telematics 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 leader 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
12587	761	9	Governance: Politics <i>or</i>	1
11648	761	9	Local Governance	1
60682	761	9	Information and Communication Technology for Management	1
58661	761	9	Leadership and Change Management	2
12529	761	9	Organisation Design	1
57398	761	30	Orientation to Research Methodology: Public and Development Management	Both
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 BAHons

3.3.1 BAHons (Public Administration)

Admission requirements

- A BA degree in Public and Development Management with an acceptable study record.
- 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.

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, modular and interactive telematics education.

Starting date: End of January.

Enquiries

Programme coordinator: Ms Lydia Meyer

School of Public Leadership

Tel: 021 918 4192

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

Website: www.spl.sun.ac.za

Programme structure

This programme is presented by means of modular and interactive telematics education. Modular presentation means that you must attend blocked contact sessions of one to two weeks of lectures in February and June on the Bellville Park campus or in Tshwane. For the interactive telematics presentations, you must 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. The lectures are presented on television from a studio at Stellenbosch and transmitted by satellite to the different study centres in southern Africa. You can interact telephonically with the lecturer during a transmission. For the remaining time, when you are not attending blocked or telematics 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	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 major. Consult the programme head of 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
12586	761	9	Governance: Economics	1
12587	761	9	Governance: Politics <i>or</i>	1
11648	761	9	Local Governance	1

Code	Module	Credits	Module Name	Semester
60682	761	9	Information and Communication Technology for Management	2
58661	761	9	Leadership and Change Management	2
12529	761	9	Organisation Design	1
57398	761	30	Orientation to Research Methodology: Public and Development Management	Both
59250	761	9	People Management	1
51993	761	9	Project Management	2
12229	761	9	Public Policy Management	2
58718	761	9	Sustainable Development	1

3.4 BAccHons

Admission requirements

For students with degrees from Stellenbosch University

- Weighted average performance mark of at least 60% 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 performance mark:

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

or

- Weighted average performance mark of at least 55% for the following modules in the BAcc or BAccLLB programme:
 - Financial Accounting 379,
 - Taxation 399,
 - Management Accounting 378 and
 - Auditing 378;

And

- A performance mark of at least 55% for Financial Accounting 379.

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

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

For students with degrees from other universities

If you obtained a degree from another university, which is equivalent to the BAcc or BAccLLB, you can contact the School of Accountancy for the specific admission requirements.

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

Selection is done strictly according to the admission requirements.

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 of programme and starting date

Duration: One year, full-time.

Starting date: The Accountancy Research Assignment module begins in mid-January. A compulsory induction programme may also precede the official start of classes.

Assessment and examination

Examinations are written in October. The final performance mark is supplemented by tests and research assignments that are assessed on a continuous basis. You must pass all the compulsory modules (see the table below) in the same academic year in order pass the programme.

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 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 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 leaders:

Prof Kobus van Schalkwyk

School of Accountancy

Tel: 021 808 3682

E-mail: cjvs1@sun.ac.za

Website: www.sun.ac.za/accountancy

Dr 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
26883	771	40	Financial Accounting	Both
14071	771	32	Management Accounting and Finance	Both
14072	771	24	Auditing, Governance and Information Systems	Both
18287	771	24	Taxation	Both
14073	774	30	Research Assignment: Accountancy	Both

Transitional arrangements for students who repeat the programme in 2020

Students who must repeat the BAccHons programme in 2020 enrol only for the following compulsory modules:

Code	Module	Credits	Module Name	Semester
26883	771	40	Financial Accounting	Both
14071	771	32	Management Accounting and Finance	Both
14072	771	24	Auditing, Governance and Information Systems	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 links to the University's and the Faculty's RPL regulations, 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).

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 of programme and starting date

Duration: A minimum of one year, full-time

Starting date: January

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
10368	811	45	Health and Care Principles (F101)	1
10372	812	45	Life Insurance Principles (F102)	1
10360	843	45	General Insurance Principles (F103)	2
10376	814	45	Pensions Principles (F104)	2
10364	845	45	Finance and Investment Principles (F105)	2

Code	Module	Credits	Module Name	Semester
10365	846	45	Enterprise Risk Management Principles (F106)	2
13697	811	60	Capita Selecta: Actuarial Applications A	Both
13699	841	60	Capita Selecta: Actuarial Applications B	Both

4.1.2 MCom (Business Management)

Admission requirements

- BComHons or another honours degree with Business Management as major.

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

Starting date: 1 February or 1 July

Enquiries

Postgraduate Coordinator: Ms. Annali Maass

Department of Business Management

Tel: +27 (0)21 808 3415

E-mail: apaint@sun.ac.za

Website: www.sun.ac.za/business

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);
- 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

Your previous academic achievement in Auditing as subject area at undergraduate and postgraduate level is taken into account for admission.

Application procedure and closing date

South African as well as 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 of programme and starting date

Duration: Two years, full-time.

Starting date: With the other classes at the University.

Enquiries

Programme leader: Prof Riaan Rudman

School of Accountancy

Tel: 021 808 3889

E-mail: rjrudman@sun.ac.za

Website: www.sun.ac.za/accountancy

Programme structure

Firstly, this programme consists of lectures on the Stellenbosch campus for the coursework component and the first part of the research assignment module. Class attendance is compulsory and starts in the first year with weekly lectures during February and, thereafter, once a month until October. This compulsory class attendance ends with weekly lectures during February and March in the year of the research assignment module.

Secondly, you must complete a research assignment or an article that can be published 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
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%.
- Grade 12 Mathematics at least a 60%.

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

Please see the general statement at the beginning of this chapter on postgraduate programmes.

All candidates for the Full Thesis option (879) must undergo selection. To be considered for selection, you must have obtained at least 65% for your honours research assignment.

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:

- *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.

Enquiries

Programme coordinator: Prof Dieter von Fintel

Department of Economics

Tel: 021 808 2242

E-mail: dieter2@sun.ac.za

Website: www.ekon.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 and 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 (14 credits) 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
10595	871	20	Macroeconomics	1
10430	871	20	Econometrics	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 the modules are necessarily offered every 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	Both
10747	871	10	Applied Microeconomics III	Both
10635	872	10	Development Economics	1
10436	871	10	Economic History	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

Code	Module	Credits	Module Name	Semester
59617	871	10	Environmental Economics***	2
12949	871	10	Financial Econometrics*	2
13469	871	10	Health Economics***	2
11263	871	10	Industrial Organisation	2
64041	871	10	Institutional Economics***	2
10554	871	10	International Finance	1
51861	871	10	Labour Economics***	2
64033	871	10	Monetary Economics	2
11143	871	10	Public Economics	2

* You need 60% for the Time Series component of Econometrics 871 to be admitted to this module. Financial Economics 771 or any second-year module in Finance or Investment Management is strongly recommended.

** You need 60% for Econometrics 871 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.

Duration of programme and starting date

Duration: One year, full-time.

Starting date: With the other classes at the University.

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.

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: A minimum of one year.

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

Enquiries

Programme leader: Prof Willie Conradie
 Department of Statistics and Actuarial Science
 Tel: 021 808 3247
 E-mail: wjc@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.

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

Code	Module	Credits	Module Name	Semester
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

All applicants undergo selection to be admitted. If you are selected, you must inform the Department of Industrial Psychology in writing by 10 December whether or not you will be proceeding with the programme.

Application procedure and closing date

South African students must apply by **31 October** of the year before their intended studies and international students by 01 September. You must complete two applications:

1. The official University application, available from www.sun.ac.za/pgstudies, and
2. The Departmental application available in the “Students” section on the Departmental website, www.sun.ac.za/industrial_psychology.

Late applications will be considered only in exceptional cases.

Duration of programme and starting date

Duration:

- *Coursework options* (889 and 899):
 - Full-time: One year.
 - Modular: Two years.
- *Full Thesis option* (879):
 - Full-time: One year.
 - Part-time: Two years.

Starting date:

Two weeks before the other classes at the University begin.

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.

Enquiries

Administrative Officer: Ms CM Cillie
 Department of Industrial Psychology
 Tel: 021 808 3005
 E-mail: cmcillie@sun.ac.za
 Website: <https://www.sun.ac.za/industrialpsychology>

Programme structure

There are three options for the master's programme in Human Resources Management:

1. *A full-time Coursework option* (Human Resource Management 889).
2. *A modular Coursework option* (Human Resource Management 899):
 - o Set aside five weeks in the first year for attending compulsory classes on campus.
 - o Examinations are not all written on campus, but rather in the different study centres.
3. *A Full Thesis option* (Human Resource Management 879).

In all three of the 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 three options in this programme.

Code	Module	Credits	Module Name	Semester
48054	889	180	Human Resource Management (Full-time Coursework option)	Both
48054	899	180	Human Resource Management (Modular Coursework option)	Both
48054	879	180	Human Resource Management (Full Thesis option)	Both

Your credits are accumulated as follows:

- *In the two Coursework options* (889 and 899): 90 credits from the thesis plus 90 credits from the coursework modules
- *In the Full Thesis option* (879): 180 credits from the full thesis.

The modules for each option are listed below.

For the full-time Coursework option (889) and modular Coursework option (899) (180 credits) All modules are compulsory.

Code	Module	Credits	Module Name	Semester
11151	881	18	Advanced Strategic Management	Both
51861	882	12	Labour Economics	Both
12944	883	12	Negotiation	Both
12992	875	12	Organisational Development and Change	Both
12946	881	12	Professional Consultation and Ethics	Both

Code	Module	Credits	Module Name	Semester
12948	884	12	Strategic Corporate Image Management	Both
10717	885	12	Strategic Organisational Design and Culture	Both
11241	871	90	Thesis: Human Resource Management	Both

Full Thesis option (879)

The thesis 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 (previously named BComHons (Psych)) 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

All applicants undergo selection to be admitted. If you are selected, you must inform the Department of Industrial Psychology in writing by 10 December whether or not you will be proceeding with the programme.

Application procedure and closing date

South African students must apply by **31 October** of the year before their intended studies and international students by 01 September. You must complete two applications:

1. The official University application, available from www.sun.ac.za/pgstudies, and
2. The Departmental application available in the “Students” section on the Departmental website, www.sun.ac.za/industrial_psychology.

Late applications will be considered only in exceptional cases.

Duration of programme and starting date

Duration:

- Full-time: One year.
- Modular: Two years.

Starting date: Two weeks before the other classes at the University begin.

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

Administrative Officer: Ms CM Cillie

Department of Industrial Psychology

Tel: 021 808 3005

E-mail: cmcillie@sun.ac.za

Website: https://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.
 - 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).

Selection

See the general statement at the beginning of this chapter. You will be selected based primarily on your academic performance.

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 year to eighteen months, full-time.

Starting date: One week before the other classes at the University begin.

Enquiries

Programme coordinator: Prof Leila Goedhals-Gerber

Department of Logistics

Tel: 021 808 2252

E-mail: leila@sun.ac.za

Website: www.sun.ac.za/logistics

Programme structure

You can choose between two possible options:

- *A Coursework and Thesis option* (Logistics Management 899), consisting of a thesis and elective modules;
- *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 coordinator 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.

Duration of programme and starting date

Duration: One year, full-time.

Starting date: With the other classes at the University.

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)

Admission requirements

- An honours degree with Mathematical Statistics as the major field of study.

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: 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.

Enquiries

Programme coordinator: 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 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
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.

Code	Module	Credits	Module Name	Semester
10512	815	15	Advanced Multivariate Statistical Analysis A	1
10513	845	15	Advanced Multivariate Statistical Analysis B	2
10524	819	15	Advanced Mathematical Statistics A	1
11173	849	15	Advanced Mathematical Statistics 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;
- A BScHons (Operations Research) degree, or
- A qualification considered by the Senate to be of equal standing.

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: A minimum of one year, full-time

Starting date: At the latest, one week before the other classes at the University begin.

Enquiries

Programme coordinator: Dr Isabelle Nieuwoudt

Department of Logistics

Tel: 021 808 3969

E-mail: isabelle@sun.ac.za

Website: www.sun.ac.za/logistics

Programme structure

You can choose between two possible options:

- *A Coursework and Thesis option* (Operations Research 899), consisting of a thesis and elective modules;
- *A Full Thesis option* (Operations Research 879), consisting of a full thesis that is the result of independent research.

Consult Part 5 (Science) of the University Calendar 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 coordinator 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 coordinator.

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

- A HonsBA/HonsBAdmin/HonsBCom/HonsBEcon in Public and Development Management.

Further requirements

- For the Full Thesis option (879), you must complete your research proposal during the compulsory contact week in January/February and orally defend it to an academic panel. The proposal must be accepted for you to continue with the programme.

Selection

Selection is based on your prior academic performance – your average performance mark and your mark for the research component of the honours programme are considered during selection. The number of students selected depends on the number of available places.

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, full-time; two years, part-time.

Starting date: Normally late January or early February.

Enquiries

Please direct enquiries regarding the programme content, timeframes, fees and application procedure to the programme coordinator:

Ms Riana Moore

School of Public Leadership

Tel: 021 918 4400

E-mail: djam@sun.ac.za

Website: www.spl.sun.ac.za

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 elective modules and an appropriate, advanced course in research methodology and academic writing skills. In addition, you must complete a thesis with guidance from an academic study leader.

The coursework component is presented by means of modular and interactive telematics education. Modular presentation means that you must attend blocked contact sessions of one to two weeks of lectures in January and in May at the Bellville Park campus. You must also independently watch the provided video recordings and engage with study material. For the interactive telematics presentations, you must attend two full days in the first semester and two full days in the second semester at an electronic study centre closer to where you live. 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 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
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.

Selection

See the general statement at the beginning of this chapter. You will be selected for this programme primarily based on your academic performance.

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: A minimum of one year, full-time.

Starting date: At the latest, one week before the other classes at the University begin.

Enquiries

Programme coordinator: Prof Hannelie Nel

Department of Logistics

Tel: 021 808 2728

E-mail: jhnel@sun.ac.za

Website: www.sun.ac.za/logistics

Programme structure

You can choose between two possible options:

- *A Coursework and Thesis option* (Quantitative Management 899), consisting of a thesis and elective modules;
- *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 coordinator.

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)

Admission requirements

- An honours degree with Statistics as major field of study.

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: 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.

Enquiries

Programme coordinator: 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.

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:
 - A BCom (with Law subjects) *and*
 - An LLB from Stellenbosch University,

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 Taxation, as subject area and in general for the degrees, during all your previous studies.
- *For the Full Thesis option (879):*
 - At least 60% for Taxation, as subject area and in general for the degrees, during all your previous studies.
 - Registration as Chartered Management Accountant with CIMA (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.

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 of programme and starting date

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.

Enquiries

Programme coordinator: Ms Monique Malan

School of Accountancy

Tel: 021 808 3683

E-mail: mmalan@sun.ac.za

Website: www.sun.ac.za/accountancy

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

You must earn at least 180 credits as set out below.

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

Selection is done in order of academic performance – students with the best performance are selected first.

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 year to eighteen months, full-time.

Starting date: One week before the other classes at the University begin.

Enquiries

Programme coordinator: Prof Stephan Krygsman

Department of Logistics

Tel: 021 808 2624

E-mail: skrygsman@sun.ac.za

Website: www.sun.ac.za/logistics

Programme structure

You can choose between two possible options:

- *A Coursework and Thesis option* (Transport Economics 899), consisting of a thesis and elective modules;
- *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 coordinator.

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.

Further requirements

- For the Full Thesis option (879), you must complete your research proposal during the compulsory contact week in January/February and defend it orally before an academic panel. The proposal must be accepted for you to continue with the programme.

Selection

Selection is based on your prior academic performance – your average performance mark and your mark for the research component of the honours programme are considered during selection. The number of students selected depends on the number of available places.

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, full-time; two years, part-time

Starting date: Normally late January or early February.

Enquiries

Please direct enquiries regarding the programme content, timeframes, fees and application procedure to the programme coordinator:

Ms Riana Moore

School of Public Leadership

Tel: 021 918 4400

E-mail: djam@sun.ac.za

Website: www.spl.sun.ac.za

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 elective modules and an appropriate, advanced course in research methodology and academic writing skills. In addition, you must complete a thesis with guidance from an academic study leader.

The coursework component is presented by means of modular and interactive telematics education. Modular presentation means that you must attend blocked contact sessions of one to two weeks of lectures in January and in May at the Bellville Park campus. You must also independently watch the provided video recordings and engage with study material. For the interactive telematics presentations, you must attend two full days in the first semester and two full days in the second semester at an electronic study centre closer to where you live. 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 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 MA (Public and Development Management)

Admission requirements

- A BAHons in Public and Development Management

Further requirements

- For the Full Thesis option (879), you must complete your research proposal during the compulsory contact week in January/February and defend it orally before an academic panel. The proposal must be accepted for you to continue with the programme.

Selection

Selection is based on your prior academic performance – your average performance mark and your mark for the research component of the honours programme are considered during selection. The number of students selected depends on the number of available places.

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, full-time; two years, part-time.

Starting date: Normally late January or early February.

Enquiries

Please direct enquiries regarding the programme content, timeframes, fees and application procedure to the programme coordinator:

Ms. Riana Moore

School of Public Leadership

Tel: 021 918 4400

E-mail: djam@sun.ac.za

Website: www.spl.sun.ac.za

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 elective modules and an appropriate, advanced course in research methodology and academic writing skills. In addition, you must complete a thesis with guidance from an academic study leader.

The coursework component is presented by means of modular and interactive telematics education. Modular presentation means that you must attend blocked contact sessions of one to two weeks of lectures in January and in May at the Bellville Park campus. You must also independently watch the provided video recordings and engage with study material. For the interactive telematics presentations, you must attend two full days in the first semester and two full days in the second semester at an electronic study centre closer to where you live. For the remaining time, you will study at home and do assignments that must be submitted electronically. Exams are written in Bellville or 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 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) 879	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

4.4 MAcc

4.4.1 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.

Duration of programme and starting date

Duration: One year, full-time.

Starting date: With the other classes at the University.

Enquiries

Programme leader: Prof Pieter von Wielligh

School of Accountancy

Tel: 021 808 3846

E-mail: pvw@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

4.4.2 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.

Duration of programme and starting date

Duration: One year, full-time.

Starting date: With the other classes at the University.

Enquiries

Programme leader: Prof Kobus van Schalkwyk

School of Accountancy

Tel: 021 808 3682

E-mail: cjvs1@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

4.4.3 MAcc (Management Accounting)

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 Management 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.

Duration of programme and starting date

Duration: One year, full-time.

Starting date: With the other classes at the University.

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	MAcc Management Accounting (Thesis option)	Both

This module is compulsory.

Code	Module	Credits	Module Name	Semester
66540	828	180	Thesis: Management Accounting	Both

4.4.4 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):*
 - You must have at least 60% for Taxation, as subject area and for the degrees in general, during all your previous studies.
- *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.

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 of programme and starting date

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.

Enquiries

Programme coordinator: Ms Monique Malan

School of Accountancy

Tel: 021 808 3683

E-mail: mmalan@sun.ac.za

Website: www.sun.ac.za/accountancy

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 also 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) 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

4.5 MPhil

4.5.1 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.

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: Two years, modular.

Starting date: March

Enquiries

Programme coordinator: Peter Boonzaaier

University of Stellenbosch Business School

Tel: 021 918 4209

E-mail: pboonzaaier@usb.ac.za

Website: www.usb.ac.za

Programme structure

This programme is presented at the Bellville Park campus.

The MPhil in Development Finance is presented as a modular programme over two years, during which you attend three class 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/April and September/October. The third block is offered in February of the second year.

You must take three modules in each block:

- In Block 1, the modules are Economic Development Perspectives in Africa, Issues in Banking and Finance and Micro Finance;
- In Block 2, they are Project Finance, Public Policy and Leadership, and Research Methods in Development Finance; and
- In Block 3, you must take three electives.

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
10392	861	15	Issues in Banking and Finance	Both
62170	861	15	Micro Finance	Both
62189	866	15	Project Finance	Both
13915	861	15	Public Policy and Leadership	Both

Code	Module	Credits	Module Name	Semester
12924	866	15	Research Methods in Development Finance	Both
57398	861	60	Research Assignment: Development 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
52779	863	10	Public Sector Finance	Both
62197	863	10	Small-scale Enterprise Development	Both
13918	863	10	Structured Finance	Both

4.5.2 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

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 of programme and starting date

Duration: One year, full-time, or two years, part-time.

Starting date: The programme normally starts late January or early February, before the other classes at the University begin.

Enquiries

The Coordinator: Ms Jennifer Saunders

School of Public Leadership

Tel: 021 808 2151

E-mail: jj3@sun.ac.za

Website: www.spl.sun.ac.za

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 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

4.5.3 MPhil (Futures Studies)

Admission requirements

- Postgraduate Diploma in Futures Studies, with an average of at least 65%.

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, blended learning.

Starting date: February.

Enquiries

Programme coordinator: Mireille de Villiers-Kleynhans

University of Stellenbosch Business School

Tel: 021 918 4203

E-mail: mdvk@sun.ac.za

Website: www.usb.ac.za

Programme structure

This programme is presented at the Bellville Park campus through blended learning, which means that you choose between on-campus and online classes. It is composed of five compulsory modules and a research assignment. The five compulsory modules are completed during the first year and classes are scheduled for one evening per week from February to September. In the second year, you will complete the research assignment.

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

4.5.4 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

Selection is based on academic performance.

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.

Enquiries

Programme Manager: Ms Renice Williams

Africa Centre for HIV/AIDS Management

Tel: +27 (0)21 808 3002

E-mail: pdm@sun.ac.za

Website: www.aidscentre.sun.ac.za

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 a one-week 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
47015	846	25	Research Methods	Both
57657	846	25	Social Responsibility Ethics and HIV/AIDS	Both
57649	846	25	Strategic Human Resources Management	Both
56375	846	80	Research Assignment: HIV/AIDS management	Both
56081	846	25	The Epidemiology and Problem of HIV/AIDS	Both

4.5.5 MPhil (Management 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 and
- 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.

Application procedure and closing date

Contact the University of 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, modular.*Starting date:* February.**Enquiries**

Programme coordinator: Cynthia Lategan-Kriel

University of Stellenbosch Business School

Tel: 021 918 4257

E-mail: cs4@sun.ac.za

Website: www.usb.ac.za

Programme structure

This programme is presented at the Bellville Park campus and starts with a three-day orientation block in February. It is a modular programme with four on-campus blocks of classes spread over the first year. The four on-campus blocks are each a week long and are generally offered in March, May, August, and October. In the second year, you complete a fifth block of classes and a research assignment.

Programme content*Programme modules*

You must earn a total of at least 180 credits for this programme.

Code	Module	Credits	Module Name	Semester
12299	879	180	Management 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

4.5.6 MPhil (Sustainable Development)

Admission requirements

- A Postgraduate Diploma in Sustainable Development,
or
- The former BPhil degree in Sustainable Development Planning and Management,
or
- Compliance with the requirements for obtaining the PGDip (Sustainable Development) of this university; in other words, you must have passed eight core modules of the PGDip with a minimum of 65% for each module.

Selection

Due to the limited number of students that can be accommodated in the programme, you will get preference if you obtained an average of 65% or higher for each of the eight modules in the Postgraduate Diploma in Sustainable Development or BPhil in Sustainable Development Planning and Management. In order to qualify for selection, you must also submit an acceptable research proposal, attend a research workshop and pass prescribed preparatory online tests.

Application procedure and closing date

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.

Enquiries

Programme Administrator: Beatrix Steenkamp

School of Public Leadership

Tel: 021 881 3952

E-mail: bsteenkamp@sun.ac.za

Website: www.spl.sun.ac.za

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 in accordance with the requirements of the University, the School 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 module presented by any university or tertiary learning institution. These may include modules offered by the School of Public Leadership, as part of the MPhil in Environmental Management, or the master’s programmes in Public and Development Management (such as Project Management or GIS);

or

3. You may select a master’s level elective in consultation with the programme coordinator. Contact the School of Public Leadership 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
58122	889	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	871	15	Renewable Energy Financing	Both
11651	871	15	Renewable Energy Policy	Both
11273	871	15	Research Dissemination	Both
51764	871	15	Research Methodology	Both

- The following elective modules are presented by departments in the Engineering Faculty. You may also choose any of them as electives.

Code	Module	Credits	Module Name	Semester
64904	844	15	Bio-energy	2
64890	814	15	Renewable Energy Systems	1

4.6 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

A mark of at least 40% in Mathematics at NNS (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 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:

- Full-time: One year.
- Modular or blended learning: Two years.

Starting date: January.

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-time students

If, towards the end of the 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.

Modular students and blended 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

Programme coordinator: Elzette van Zyl

University of Stellenbosch Business School

Tel: 021 918 4154

E-mail: evz@sun.ac.za

Website: www.usb.ac.za

Programme description and structure

The programme entails coursework and a research assignment. It is presented at the Bellville Park campus by means of three delivery options from which you can choose:

1. Full-time,
2. Modular,
3. Blended.

The following table gives an overview of these presentation methods and duration of the programme.

Programme and duration	Start	Delivery mode
Full-Time MBA – one year	January	Full-time on campus from January to end of November
Modular MBA – two years	January	Nine one-week blocks (classes Monday to Saturday) on campus over two years
Blended learning MBA – two years	January	One two-week block in year 1 and two one-week blocks in year 2 (classes Monday to Saturday) on campus over two years <i>plus</i> classes every Wednesday evening (online or on campus)

Focus areas

USB has two MBA focus areas over and above the current general MBA. These focus areas are presented from the second year in the MBA blended learning programme.

- Managing International Organisations
- Health Care Leadership

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

Business Management and Administration (General)*Compulsory modules (197 credits)*

The compulsory modules include the Research Assignment, 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
60127	815	8	International Study module	Both
12345	815	16	Leadership Development	Both
13383	815	8	Operational Excellence	Both
13380	815	8	Organisational Behaviour	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
13378	815	8	Strategic Analysis	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. 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.

Focus area: Managing International Organisations*Compulsory modules (20 credits)*

Code	Module	Credits	Module Name	Semester
13924	818	12	Finance for Development	Both
13923	818	8	International Organisations Leadership	Both

Focus 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
13929	817	8	Health Care Value Based Systems	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

Direct your queries to

Dr Jaco Franken

Manager: Graduate School of Economic and Management Sciences (GEM)

Room 1017, AI Perold building

Stellenbosch University

Tel: +27 (0)21 808 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: Policies and Rules) 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: Policies and Rules) 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 focus areas of Complex Systems in Transition’s (CST) will be communicated on the CST website. If you have a research idea which is in line with CST’s research focus 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 Complex Systems in Transition’s (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 Complex Systems in Transition’s (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

CST Administrator: Ms Amanda October

School of Public Leadership

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 in order 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* – 01553 Industrial Psychology
Each subject is identified by this five-digit subject number.
- *Subject name* – 01553 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
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**
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**
This indicates the subject that will be dealt with in this specific module.
- **Teaching load – (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

2. Method of assessment

The Faculty uses flexible assessment in all its undergraduate modules. (There is more on undergraduate assessment in the chapter “Undergraduate Programmes”.)

3. Prerequisite pass, prerequisite and corequisite modules

After the description of the content of the module, the prerequisite pass, prerequisite and corequisite modules, where applicable, are given for that module. 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 class mark of at least 40, or a final mark of at least 40 in the case of a module subject to flexible assessment, before you can take the module for which it is a prerequisite module.
- **Corequisite module**
A corequisite module is a module that you must take in the same academic year as the module for which it is a corequisite, or in an earlier academic year.

3.1 Condition for the granting of a qualification or degree

The Faculty will only award a qualification if you have passed all the relevant prerequisite and corequisite modules of the specific degree programme.

4. 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 department**.

Department of Agricultural Economics

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 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
- Statistical Methods 176 *or*
- Statistics 186 *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:

- Statistical Methods 176 with 65% *or*
- Statistics 186 *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:

- Statistical Methods 176 with 65% *or*
- Statistics 186 *or*
- Statistics 186 *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:

- Statistical Methods 176 with 65% *or*
- Statistics 186 *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:

- Statistical Methods 176 with 65% *or*
- Statistics 186 *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:

- Statistical Methods 176 with 65% *or*
- Statistics 186 *or*
- Probability Theory and Statistics 114 *or* 144

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) Advertising and Sales Promotion (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) Retail Management (2L)

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*
- Statistical Methods 176 *or*
- Statistics 186

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

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

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, 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 pass module: Investment Management 254

Home department: 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

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

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: the IS-LM-model, total demand and supply, inflation, monetary transmission mechanism, stabilisation policy.

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, 1S)

Macroeconomics: economic growth, business cycle, monetary and fiscal policy.

Quantitative economics: general data analysis, mathematical and econometric techniques, input/output analysis. Introduction to game theory.

Prerequisite pass module: Economics 214

Prerequisite module: Economics 244

Home department: Economics

348 (24) Economics (4L, 1S)

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

388 (24) Economics (2L, 2T)

Introductory applied econometrics: statistical concepts, the classical linear model of regression, multicollinearity, autocorrelation, heteroscedasticity, dummy variables, estimation of regression models.

Labour economics and labour econometrics: labour market, demand and supply, demographic tendencies, trade unions, the South African labour market.

Management economics: mathematical techniques, analysis of demand, cost and production, price determination, introduction to linear programming.

South African economic issues.

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

Department of Geography and Environmental Studies

64165 Geo-Environmental Studies

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.

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.

56502 Geography and Environmental Studies

214 (16) Geographical Information Systems (3L, 3P)

Introductory overview and comprehension of GIS in the context of geo-information science; the nature of geographical data, data models, coordinate systems and map projections; GIS processes: data capturing, ordering and storage, manipulation and analysis; map design and cartographic visualisation with a GIS; GIS applications.

Prerequisite module: Geo-Environmental Science 124

Corequisite module: Mathematics 114 or Mathematics (Bio) 124

Department of Industrial Psychology

10553 Industrial Psychology

Transitional rules

Module(s) failed / Outstanding modules at the end of 2019*	Module(s) to be registered for in 2020*
Industrial Psychology 114	Industrial Psychology 114.
Industrial Psychology 152	Register for Industrial Psychology 152, follow lectures (timetable) of Industrial Psychology 252.
Industrial Psychology 162	Register for Industrial Psychology 162, follow lectures (timetable) of Industrial Psychology 262.
Industrial Psychology 152 + Industrial Psychology 162	Register for Industrial Psychology 144 (to fill first-year credits); register for Industrial Psychology 252 and Industrial Psychology 262 at second-year level.
Industrial Psychology 214	Industrial Psychology 214.
Industrial Psychology 224	Industrial Psychology 224.
Industrial Psychology 244	Register for Industrial Psychology 244, follow lectures (timetable) of Industrial Psychology 144, if Industrial Psychology 152 and Industrial Psychology 162 were passed.
Industrial Psychology 152, 162 and 244 <ul style="list-style-type: none"> • Industrial Psychology 152 • Industrial Psychology 162 • Industrial Psychology 244 	<ul style="list-style-type: none"> • Register for Industrial Psychology 152, follow lectures (timetable) of Industrial Psychology 252. • Register for Industrial Psychology 162, follow lectures (timetable) of Industrial Psychology 262. • Register for Industrial Psychology 244, follow lectures (timetable) of Industrial Psychology 144.

* *Take note:*

- If you passed Industrial Psychology 114, 152 and 162 at the end of 2019; register during 2020 for Industrial Psychology 214, 224 and 244;
- If you register for Industrial Psychology in 2020 for the first time as a first year, register for Industrial Psychology 114 and Industrial Psychology 144;
- You cannot register for Industrial Psychology 144 and 244 for degree purposes, due to similar module content.

114 (12) Industrial Psychology (3L, 1P)

The nature of Industrial Psychology and the 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, 0.5S)

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 modules: Industrial Psychology 144

Home department: Industrial Psychology

324 (12) Human Resource Development (2L, 0.5S)

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, 1S)

Individual behaviour: perceptions, personality, attitudes, values, cultural diversity, work motivation, behaviour modification, job design; group and inter-group 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) (2L, 1S)

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

Department of Information Science

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.

11852 Information System Management

212 (8) Introduction Systems Thinking (2L)

This module introduces students to the history, philosophy and methods of Systems Thinking. The module commences with a broad overview of the key principles of holism and systems practice before focusing on a collection of prominent systems 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) Enterprise Architecture (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

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

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:

- Statistics 186 *or*
- Probability Theory and Statistics 114 or 144, *or*
- Statistical Methods 176

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:

- Statistics 186 *or*
- Probability Theory and Statistics 114 or 144, *or*
- Statistical Methods 176
- Business Analytics 214

Home department: Logistics

318 (16) Business Analytics (3L, 2T) (to be introduced in 2021)

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:

- Statistics 186 *or*
- Probability Theory and Statistics 114 or 144, *or*
- Statistical Methods 176

Home department: Logistics

348 (24) Business Analytics (3L, 3P) (to be introduced in 2021)

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.)

Home department: Logistics

58351 Quantitative Management

318 (24) Quantitative Management (4L, 2T) (offered for the last time in 2020)*Optimisation and Decision Theory*

Optimisation: Integer programming (modelling of 0-1, integer and mixed integer problems, branch-and-bound method). Non-linear programming problems. Assignment and transshipment problems. Goal programming. Dynamic programming (formulation and solution using networks).

Decision Theory: Decision analysis (basic concepts, risk and uncertainty, multi-criterion decision analysis, break-even analysis, marginal analysis, decision trees, utility theory, sensitivity analysis). Game theory. Financial and economic investment planning (principals of interest calculations, nominal and effective interest rates, evaluation methods and selection measures, replacement decisions). Decision trees and linear programming models in financial decision theory.

Prerequisite pass modules:

- Quantitative Management 214, 244
- Theory of Interest 152

Home department: Logistics

348 (24) Quantitative Management (4L, 2T) (offered for the last time in 2020)*Production and Stochastic Modelling*

Production Modelling: Introduction to forecasting (revision of the methods of Holt and Winter, and linear regression). Computer applications of forecasting. Quality control (central limit theorem, confidence intervals, control charts). Applications in the manufacturing and service sectors. Production scheduling. Supply chain coordination, MRP, JIT. Problem-solving with applicable software.

Stochastic Modelling: Markov analysis (states, matrix of transition probabilities, equilibrium conditions). Queuing theory (modelling of arrival and service processes, birth-death processes, single and multiple service points, finite population, constant service times). Simulation (random numbers, Monte Carlo simulation, discrete event simulation, analysis of simulation output). Simulation of inventory and queuing models. Application with spreadsheets.

Prerequisite pass modules: Quantitative Management 214, 244

Home department: Logistics

50407 Logistics Management

214 (16) Logistics Management (3L, 1P)

Introduction to Logistics Management: 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, fulfilment models.

Order Management and Customer Service: Order management, customer service and relationship management.

Inventory in the Supply Chain: Role of inventory in the economy and organisations, inventory costs, inventory management approaches, inventory classification.

Prerequisite module: Business Management 113

Home department: Logistics

244 (16) Logistics 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.

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.

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.

Prerequisite pass modules:

- Business Management 113
- Logistics Management 214

Home department: Logistics

314 (12) Logistics Management (2L)

Derived from the business' strategy, a supply chain strategy defines how the supply chain should be configured and operated in order to compete at a national/internationally level. Capacity should be created ahead of demand and logistics costs must be lowered through collaborative initiatives at a national, industry and business level where appropriate. To succeed in future, supply chain and business strategies (especially sales, marketing and operations, but also other important support functions such as finance) must reflect an integrated design. Achieving full alignment between an organisation's strategic intent and its supply chain strategy, however, still remains a major challenge. Alignment with the economic, social, technical, environmental and regulatory environment/requirements is becoming an ever-increasing challenge.

Topics to be covered: Supply chain strategy, strategic supply chain resource requirements, supply chain strategy implementation, change management, stakeholder management, integrated metrics, logistics and the environment, supply chain sustainability framework, reverse logistic systems,

reverse flows, closed loop supply chains, customer returns, environmental challenges and technology application to improve reverse flows.

Prerequisite pass modules:

- Logistics Management 214, 244
- Statistical Methods 176 *or*
- Statistics 186 *or*
- Probability Theory and Statistics 114 or 144 (*No third-year modules in Logistics Management may be taken in combination with Financial Accounting 389.*)

Prerequisite modules: Economics 114, 144

Home department: Logistics

324 (12) Logistics Management (2L)

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.

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.

Prerequisite pass modules:

- Logistics Management 214, 244
- Statistical Methods 176 *or*
- Statistics 186 *or*
- Probability Theory and Statistics 114 or 144 (*No third-year Logistic Management modules may be taken in combination with Financial Accounting 389.*)

Prerequisite modules: Economics 114, 144

Home department: Logistics

344 (12) Logistics 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.

Prerequisite modules: Logistics Management 314, 324 (No third-year Logistic Management modules may be taken in combination with Financial Accounting 389.)

Home department: Logistics

354 (12) Logistics Management (2L)

Logistics research: Defining the logistics 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 (if required) and basic statistical tests.

Prerequisite modules: Logistics Management 314, 324 (*No third-year modules in Logistics Management may be taken in combination with Financial Accounting 389.*)

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 slackness. 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. Goal programming. Applications using suitable software.

Prerequisite modules: Operations Research 214, 244

Home department: Logistics

326 (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 modules: Mathematics 114, 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). Applications by means of suitable software.

Prerequisite module: Operations Research 244

Home department: Logistics

354 (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

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

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:

- Introduction to Transport Economics 214,
- Economics 114, 144

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
- Introduction to Transport Economics 214,
- Transport and Land Economics 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 and Land Economics 244

Home department: Logistics

Department of Mathematical Sciences (Mathematics, Applied Mathematics, Computer Science)

18139 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, 144

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

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
- Mathematical Statistics 245, 246
- Mathematics 214, 244 or Applied Mathematics 214, 244

Prerequisite modules for programmes in Engineering:

- Computer Science E 214
- Systems and Signals 344

Home department: Computer Science

334 (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, 244

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, 244

Prerequisite modules for programmes in Engineering:

- Computer Science E 214
- Computer Systems 245

Home department: Computer Science

354 (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

Prerequisite modules for programmes in Engineering:

- Computer Science E 214
- Computer Systems 245

Home department: Computer Science

364 (16) Computer Vision (3L, 3P)

Projective geometry and transformations of 2D and 3D. Camera models, the projective camera. Computation of the camera matrix using a calibration object. Removal of radial distortion. Epipolar geometry, the fundamental and essential matrices. Camera rectification and 3D reconstruction methods.

Prerequisite modules:

- Computer Science 214 *or* Computer Science E 214
- Applied Mathematics 214 *or* Applied Mathematics B 242

Home department: Computer Science

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 \mathbb{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

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, 244/245, 244/246

Home department: Mathematics

Department of Mercantile 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.
- Students who have failed Mercantile Law (Commerce) 283 or Mercantile Law (Commerce) 284 will register for Mercantile Law (Commerce) 285 from 2016.

Home department: Mercantile Law

Special modules in Mercantile Law for BCom (International Business)

13352 Legal Aspects of International Transactions

312 (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, 0.5T)

The legal principles regarding companies, close corporations, trusts and partnerships.

Prerequisite module: Mercantile Law (Acc) 193

Home department: Mercantile Law

Department of Philosophy

12882 Philosophy

114 (12) Introduction to Systematic Philosophy (1.5L, 0.5T)

A systematic study of the nature, methods and aims of philosophy as a distinctive discipline. An overview of the most important philosophical problem areas in their mutual relations. Exercises in independent conceptual analysis.

Home department: Philosophy

144 (12) Greek Philosophy and Philosophy of the Middle Ages (1.5L, 0.5T)

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 historical development of ideas in the philosophy of the Middle Ages, with reference to thinkers like Thomas Aquinas and William of Ockham.

Home department: Philosophy

Department of Sociology and Social Anthropology

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

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

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 or 188 (In the latter case 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 or 188

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

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 or 188 (In the latter case the internal Financial Accounting test required by the School must be completed successfully.)

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*

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

Prerequisite module: Management Accounting 278

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

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 matric year must attend five lectures per week.

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 or 188 (In the latter case 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 or 188

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

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

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 operating systems, word processors, e-mail, the internet, presentation software and spreadsheets.

Note:

Information Systems 144 and Information Systems 112 may not be presented together for degree purposes.

Home department: School of Accountancy

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.

Note

Students who failed Information Systems 188 in 2018 must register for Information Systems 114 and Information Systems 144 in 2019 or thereafter.

Home department: School of Accountancy

144 (12) Applied Information Systems for Accountants (3L, 1P)

Practical use of general spreadsheet software in a business environment.

Notes:

- Information Systems 144 and Information Systems 112 may not be presented together for degree purposes.
- Students who failed Information Systems 188 in 2018 must register for Information Systems 114 and Information Systems 144 in 2019 or thereafter.

Home department: School of Accountancy

152 (6) Business Systems (2L)

Key concepts of supply chain, operational and quality management. Ethics and dealing with ethical conflicts in a business environment.

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

312 (12) Information Systems (3L)

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 188

Home department: 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 or 188

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 testing, 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 or 188

Home department: School of Accountancy

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 Policy 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

Department of 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, hyper-geometric, negative binomial; important continuous distributions, uniform, normal

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 Excel; 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; naïve 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

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 module: Mathematics 114, 144

Prerequisite pass module: 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

19658 Statistics

Note:

To major in Statistics for a BCom degree, the modules Statistics 186 or Statistical Methods 176, Statistics 214, 224, 244 and Statistics 318, 348 are required.

186 (18) Introduction to Statistics (4L)

Linear programming: Graphical techniques to solve problems with two variables; Shadow prices; Sensitivity analyses.

Sampling techniques: Simple random; Stratified; Systematic; Cluster; Probability proportional to size.

Descriptive statistics: Various data types; Stem-and-leaf representations; Frequency distributions; Graphical representation of data (histograms, polygons, bar and pie charts); Descriptive measures of location, spread and association (mean, median, mode, percentiles, variance, standard deviation, coefficient of correlation); Box plots.

Probability theory: Basic probability concepts (sample spaces, events, addition and multiplication rules, conditional probabilities, probability trees, contingency tables); 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; Portfolio management; Binomial and hypergeometric distributions.

Basic calculus: Introduction to differentiation and integration with simple applications.

Continuous random variables and probability distributions: Expected value, variance and standard deviation of a continuous random variable; Normal distribution.

Sampling distributions: Central limit theorem; Sampling distributions of the mean, a proportion and the variance; Sampling distribution of the difference between two means.

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 and the ratio of two variances; Applications of interval estimation in auditing.

Regression analysis: The simple linear regression model; The method of least squares estimation; Inference on the model parameters and coefficient of correlation; Residual analysis.

Time series analysis: Components of a time series; Smoothing; Least squares trend fitting and forecasting; Index numbers.

Differences between Statistics 186 and Statistical Methods 176:

In Statistics 186 and Statistical Methods 176 similar statistical techniques are covered. However, in Statistics 186 basic mathematical techniques are revised and expanded, which are not covered in Statistical Methods 176. The Statistical Methods 176 module is a more practical module that focuses on applications in Excel and computer assignments. These assignments form an important component, 40% of the module, of this flexibly assessed module.

Home department: Statistics and Actuarial Science

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-dot diagram.

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 fitting quality test.

Note:

Application of statistical techniques using Microsoft® Excel is emphasised throughout.

Prerequisite pass modules:

- Statistical Methods 176 with a final mark of at least 60 *or*
- Statistics 186 *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 eigen-values 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 modules:

- Statistical Methods 176 with a final mark of at least 60 *or*
- Statistics 186

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 STATISTICA is 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 NOVA; 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

19690 Statistical Methods**176 (18) Statistical Methods with Computer Implementation (3L, 2T)**

Sampling techniques: Simple random; Stratified; Systematic; Cluster; Probability proportional to size.

Descriptive Statistics: Various data types; Stem-and-leaf display; Frequency distributions; Graphical representation of data (histogram, polygons, bar and pie charts); Descriptive measures of location and spread (mean, median, mode, variance, standard deviation, percentiles); Approximate measures for grouped data; Box plots; Measure of association (coefficient of correlation).

Probability theory: Basic probability concepts (sample spaces, events, addition and multiplication rules, conditional probabilities, probability trees, contingency tables); 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; Expected value and variance of a portfolio; Binomial and Poisson distributions.

Continuous random variables and probability distributions: Normal and exponential distributions.

Sampling distributions: The central limit theorem; Sampling distribution of the mean and a proportion.

Inferential Statistics: Interval estimation and hypothesis testing for the mean and a proportion; Interval estimation and hypothesis testing for the difference between two means; Sample size calculation based on interval estimation.

Analysis of variance: One-way and two-way designs.

Regression analysis: The simple linear regression model; Inference about model parameters and the coefficient of correlation; Multiple linear regression.

Time series analysis: The components of a time series; Smoothing; Least squares trend fitting and forecasting.

Notes:

1. Microsoft® Excel will be used throughout the module for the application of the different statistical techniques.
2. Students who passed Statistical Methods 176(18) will be allowed to continue with Statistics 214(16), provided that they obtained a final mark of at least 60%.

Differences between Statistics 186 and Statistical Methods 176:

In Statistics 186 and Statistical Methods 176 similar statistical techniques are covered. However, in Statistics 186 basic mathematical techniques are revised and expanded, which are not covered in Statistical Methods 176. The Statistical Methods 176 module is a more practical module that focuses on applications in Excel and computer assignments. These assignments form an important component (40%) of this flexibly assessed module.

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

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

43214 Actuarial Science

Requirements for students who failed one of the second-year modules in 2019

Students who failed Actuarial Science 242(16) and/or Actuarial Science 274(24) in 2019 will be required to take the new modules in 2020 as indicated in the table below.

Module failed in 2019	Replacement module(s) to be taken in 2020
Actuarial Science 242(16)	Actuarial Science 241(22)
Actuarial Science 274(24)	Actuarial Science 211(18) and Actuarial Science 241(22)

Requirements for students who failed one of the third-year modules in 2019

Students who failed a third-year Actuarial Science module in 2019 will be required to retake that module in 2020.

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% [calculated based on performance in the first of the final assessment opportunities (A2)]
- 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) (Only applicable to students that repeat the module)

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, 211/274, 241/242
- Mathematical Statistics 214, 245, 246
- Mathematics 214, 244

Home department: Statistics and Actuarial Science

326 (24) Actuarial Models (5L)

Stochastic processes and their application to the models used for actuarial work.

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:

- Actuarial Science 112, 142, 211/274, 241/242
- Mathematical Statistics 214, 245, 246
- Mathematics 214, 244

Corequisite modules: Mathematical Statistics 312, 316

Home department: Statistics and Actuarial Science

341 (24) Contingencies (5L) (Only applicable to students that repeat the module)

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, 211/274, 241/242
- Mathematical Statistics 214, 245, 246
- Mathematics 214, 244

Home department: Statistics and Actuarial Science

346 (24) Actuarial Statistics (5L)

Mathematical and Statistical Techniques of particular relevance to actuarial work.

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:

- Actuarial Science 112, 142, 211/274, 241/242
- Mathematical Statistics 214, 245, 246
- Mathematics 214, 244

Corequisite modules: Mathematical Statistics 312, 316, 364, 344

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, 211/274, 241/242
- 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

388 (32) Contingencies (4L)

Mathematical Techniques used to model and value cash flows dependent on death, survival or other uncertain risks.

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:

- Actuarial Science 112, 142, 211/274, 241/242
- Mathematical Statistics 214, 245, 246
- Mathematics 214, 244

Corequisite modules: Mathematical Statistics 312, 316, 344, 364

Home department: Statistics and Actuarial Science

54690 Financial Risk Management

Financial Risk Management 274(24) is 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

US Language Centre

12269 Business Communication

142 (12) Business Communication (3L)

The focus of this module is effective communication in the professional business environment. The focus will be specifically on document types used in the professional environment such as proposals, reports and correspondence, as well as on text skills such as coherence, appropriate style and text structure. Attention will also be given to appropriate referencing skills.

Home department: Language Centre

13859 Academic Discourse

114 (12) Academic Discourse for EMS (3L, 2T)

The focus of this module is on the development of reading, writing and thinking skills in the academic environment in general and specifically the Economic and Management Sciences. Skills like problem identification and solving, the collection and ordering of information, and synthesising, analysing and evaluation thereof are addressed. Aspects such as grasping the notion of text components, the use of fluent, correct and proper language as well as plagiarism and referencing will be addressed.

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.

Home department: Economic and Management Sciences (General)

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 Department: Economic and Management Sciences (General)

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: Economic and Management Sciences (General)

12292 Introduction to Financial Accounting

171 (24) Introduction to Financial Accounting (3L, 1T)

The conceptual framework of Accounting: theoretical principles in International Financial Reporting Standards; the Accounting process; introduction to accounting systems; introduction to financial reporting.

Home department: Economic and Management Sciences (General)

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 department: Economic and Management Sciences (General)

Research and Service Bodies

1. Africa Centre for Dispute Settlement

The Africa Centre for Dispute Settlement sees itself as a catalyst and thought leader in developing the theory and practice of mediation in all its forms, with a special emphasis on conflicts involving economic actors.

The activities of the Centre include teaching, training, research and publications, consulting, projects and the development and maintenance of accreditation standards for mediators.

The Centre is situated at the US Business School. For more information visit us at www.usb.ac.za/disputesettlement, or send an e-mail to Ms Sunelle Hanekom at sunelle.hanekom@usb.ac.za.

2. 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 17 years.

For more information, visit us at www.aidscentre.sun.ac.za, or send an e-mail to Ms Renice Williams at pdm@sun.ac.za.

3. Anti-Corruption Centre for Education and Research of Stellenbosch University (ACCERUS) (at the School for Public Leadership)

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.

The Centre is situated at the School for Public Leadership. For more information, visit us at www.sun.ac.za/english/faculty/economy/spl/centres-institutes/accerus, or send an e-mail to Prof Pregala Pillay at 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.

For more information, visit us at www.ber.ac.za, or send an e-mail to Prof Johann Kirsten at jkirsten@sun.ac.za.

5. 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 US Business School. For more information, visit us at www.usb.ac.za/research-centres/centre-for-corporate-governance-in-africa, or send an e-mail to Surita Basson sbasson@sun.ac.za.

6. 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.

7. 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 US Business School. For more information, visit us at www.ifr.sun.ac.za, or send an e-mail to 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 for which you must have a class mark of at least 40, or a final mark of at least 40 (where flexible assessment is used), before you can take the module for which it is a prerequisite module.

C – Corequisite module

- A corequisite module is a module that you must take in the same academic year as the module for which it is a corequisite, or in an earlier academic year.

The Faculty will only award a qualification if you have passed all the relevant prerequisite and corequisite modules of the specific programme.

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 department or school.

Department of African Languages

Basic Xhosa 144	P Basic Xhosa 114
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Department of Agricultural Economics

Agricultural Economics 242	P Economics 114
Agricultural Economics 314	P Agricultural Economics 242
Agricultural Economics 364	P Agricultural Economics 242
Agricultural Economics 782	P Biometry 212 P Statistics 186 <i>or</i> P Statistical Methods 176
Agricultural Economics 784	P Economics 114, 144

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 <i>or</i> Mathematics 114 <i>or</i> C Mathematics (Bio) 124
Financial Management 244	C Financial Management 214
Financial Management 314	C Financial Management 214 C Financial Management 244 <i>or</i> Investment Management 254
Financial Management 332	C Financial Management 214 C Financial Management 244 <i>or</i> Investment Management 254
Financial Management 352	C Financial Management 214 C Financial Management 244 <i>or</i> Investment Management 254
Financial Management 354	C Financial Management 214 C Financial Management 244 <i>or</i> 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 P Investment Management 254
Investment Management 254	C Business Management 113 P Business Management 142 P Statistical Methods 176 with 65% <i>or</i> P Statistics 186 <i>or</i> P Probability Theory and Statistics 114 or 144

Investment Management 314	P Investment Management 254 PP Statistical Methods 176 with 65% <i>or</i> PP Statistics 186 <i>or</i> PP Probability Theory and Statistics 114 or 144
Investment Management 324	P Investment Management 254 PP Statistical Methods 176 with 65% <i>or</i> PP Statistics 186 <i>or</i> PP Probability Theory and Statistics 114 or 144
Investment Management 348	C Financial Management 214 <i>or</i> C Financial Accounting 178 or 188 PP Statistical Methods 176 with 65% <i>or</i> PP Statistics 186 <i>or</i> PP Probability Theory and Statistics 114 or 144
Investment Management 354	C Investment Management 254 PP Statistical Methods 176 with 65% <i>or</i> PP Statistics 186 <i>or</i> PP Probability Theory and Statistics 114 or 144
Investment management 344	P Investment Management 254 PP Statistical Methods 176 with 65% <i>or</i> PP Statistics 186 <i>or</i> 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 or 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 Statistical Methods 176 <i>or</i> P Statistics 186
Marketing Management 354	P Marketing Management 214, 244
Strategic Management 344*	C Business Management 113 **Not applicable if you are a Forest Science student.

* 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 Computer Science

Computer Science 113	C Mathematics 114 C Actuarial Science 112
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, 144
Computer Science 314	P Computer Science 214, 244 For programmes in Engineering: P Computer Science E 214 P Computer Systems 245
Computer Science 324	P Computer Science 214
Computer Science 344	P Computer Science 214, 244 For programmes in Engineering: P Computer Science E 214 P Computer Systems 245
Computer Science 354	P Computer Science 214, 244 For programmes in Engineering: P Computer Science E 214 P Computer Systems 245
Computer Science 214	P Engineering Mathematics 115, 145
Computer Science 244	C Computer Science 214
Computer Science 315	PP Computer Science 144 <i>or</i> P Computer Science E 214 P Mathematical Statistics 245, 246 <i>or</i> P Systems and Signals 344
Computer Science 334	P Computer Science 214, 244 <i>For programmes in Engineering:</i> P Computer Science E 214 P Computer Systems 245
Computer Science 364	P Computer Science 214 <i>or</i>

	P Computer Science E 214 P Applied Mathematics 214 <i>or</i> P Applied Mathematics B 242
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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 or 288
Economics 318	PP Economics 214 P Economics 244
Economics 348	PP Economics 214 P Economics 244 C Economics 318
Economics 388	PP Economics 214 P Economics 244 C Economics 318
Economics 381	P Economics 214, 244 or 281

Department of Genetics

Biometry 212	P Mathematics (Bio) 124 <i>or</i> P Mathematics 114
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Department of Geography and Environmental Studies

Geography and Environmental Studies 225	P Geo-Environmental Science 124
Geography and Environmental Studies 265	P Geo-Environmental Science 124
Geography and Environmental Studies 314	P Geography and Environmental Studies 225
Geography and Environmental Studies 323	P Geography and Environmental Studies 225
Geography and Environmental Studies 358	P Geography and Environmental Studies 265
Geography and Environmental Studies 363	P Geo-Environmental Science 124

Department of Information Science

Information Systems Management 314	P Information Systems Management 224
	P Information Systems Management 254
Information Systems Management 354	P Information Systems Management 314
	P Information Systems Management 334

Department of Logistics

Business Analytics 214	PP Statistics 186 <i>or</i> PP Probability Theory and Statistics 114 or 144 <i>or</i> PP Statistical Methods 176
Business Analytics 244	PP Statistics 186 <i>or</i> PP Probability Theory and Statistics 114 or 144 <i>or</i> PP Statistical Methods 176 PP Business Analytics 214
Introduction to Transport Economics 214	P Economics 114, 144
Logistics Management 214	P Business Management 113
Logistics Management 244	PP Business Management 113 PP Logistics Management 214
Logistics Management 314	PP Logistics Management 214, 244 P Economics 114, 144 PP Statistical Methods 176 <i>or</i> PP Statistics 186 <i>or</i> PP Probability Theory and Statistics 114 or 144 <i>(You may not take any third-year Logistics Management modules in combination with Financial Accounting 389.)</i>
Logistics Management 324	PP Logistics Management 214, 244 P Economics 114, 144 PP Statistical Methods 176 <i>or</i> PP Statistics 186 <i>or</i> PP Probability Theory and Statistics 114 or 144 <i>(You may not take any third-year Logistics Management modules in combination with Financial Accounting 389.)</i>
Logistics Management 344	P Logistics Management 314, 324 <i>(You may not take any third-year Logistics Management modules in combination with Financial Accounting 389.)</i>
Logistics Management 354	P Logistics Management 314, 324 <i>(You may not take any third-year Logistics 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 214, 244
Operations Research 326	PP Mathematics 114, 144
Operations Research 344	P Operations Research 244
Operations Research 354	PP Probability Theory and Statistics 114 or 144
Project Management 314	<i>This module may only be followed by final-year students.</i>
Quantitative Management 318*	PP Quantitative Management 214, 244 PP Theory of Interest 152
Quantitative Management 348*	PP Quantitative Management 214, 244
Transport and Land Economics 244	P Introduction to Transport Economics 214 P Economics 114, 144
Transport Planning and Evaluation 318	PP Economics 114, 144 PP Introduction to Transport Economics 214 PP Transport and Land Economics 244
Transport Modal Economics and Management 348	PP Economics 114, 144 PP Transport and Land Economics 244

* These modules will be phased out in 2020 and presented as the new Business Analytics 318, 348 modules in 2021.

Department of Mathematics

Engineering Mathematics 145	P Engineering Mathematics 115
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 or equivalent modules
Mathematics 345	PP Mathematics 114, 144 or equivalent modules
Mathematics 365	PP Mathematics 214, 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 243	PP Psychology 114, 144
Psychology 253	PP Psychology 114, 144
Psychology 314	PP Psychology 213, 223, 243, 253
Psychology 324	PP Psychology 213, 223, 243, 253
Psychology 348	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

School of Accountancy

Auditing 288	P Financial Accounting 178 or 188
Auditing 378	P Auditing 288 C Financial Accounting 278 or 288
Auditing 388	P Financial Accounting 178 or 188
Financial Accounting 278	PP Financial Accounting 178 or 188 <i>(For Financial Accounting 188 you must pass an internal Financial Accounting test as required by the School.)</i>
Financial Accounting 288	PP Financial Accounting 178 or 188
Financial Accounting 379	PP Financial Accounting 278
Financial Accounting 389	PP Financial Accounting 278 or 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 or 288
Information Systems 242	C Financial Accounting 178 or 188 PP Information Systems 114 and 188
Information Systems 312	C Financial Accounting 278 P Auditing 288 P Information Systems 114 and 188
Management Accounting 278	PP Financial Accounting 178 or 188 <i>(For Financial Accounting 188 you must pass an internal Financial Accounting test as required by the School.)</i> C Financial Accounting 278 or 288
Management Accounting 288	PP Financial Accounting 188 <i>or</i> P Financial Accounting 178

Management Accounting 378	PP Financial Accounting 278 P Management Accounting 278
Management Accounting 388	PP Financial Accounting 278 or 288 P Management Accounting 278 or 288
Taxation 298	PP Financial Accounting 178 or 188 <i>(For Financial Accounting 188 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
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

Department of Statistics and Actuarial Science

Actuarial Science 142	PP Mathematics 114 with a final mark of at least 60% <i>(calculated on your performance in the first assessment opportunity)</i> 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

	<p>C Actuarial Science 142 C Mathematics 244 C Mathematical Statistics 245, 246</p>
Actuarial Science 311	<p>PP Actuarial Science 112, 142, 211/274, 241/242 PP Mathematical Statistics 214, 245, 246 PP Mathematics 214, 244</p>
Actuarial Science 341	<p>PP Actuarial Science 112, 142, 211/274, 241/242 PP Mathematical Statistics 214, 245, 246 PP Mathematics 214, 244</p>
Actuarial Science 371	<p>PP Actuarial Science 112, 142, 211/274, 241/242 PP Mathematical Statistics 214, 245, 246 PP Mathematics 214, 244 C Actuarial Science 311 C Mathematical Statistics 312, 316, 344, 364</p>
Data Science 241	<p>PP Data Science 141</p>
Data Science 314	<p>PP Data Science 241 PP Mathematical Statistics 245 PP Mathematical Statistics 246</p>
Data Science 344	<p>PP Data Science 314 PP Mathematical Statistics 312</p>
Financial Risk Management 212	<p>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</p>
Financial Risk Management 242	<p>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</p>
Financial Risk Management 252	<p>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</p>

	<p>C Mathematical Statistics 214, 245, 246</p>
Financial Risk Management 314	<p>PP Financial Risk Management 212, 242, 252</p> <p>PP Mathematics 214, 244</p> <p>PP Mathematical Statistics 214, 245, 246</p> <p>C Actuarial Science 211</p>
Financial Risk Management 344	<p>P Financial Risk Management 314</p>
Mathematical Statistics 214	<p>PP Mathematics 114, 144</p> <p>PP Probability Theory and Statistics 114 or 144</p>
Mathematical Statistics 245	<p>PP Mathematical Statistics 214</p>
Mathematical Statistics 246	<p>PP Mathematical Statistics 214</p>
Mathematical Statistics 312	<p>PP Mathematical Statistics 245</p> <p>P Mathematical Statistics 246 with a final mark of at least 40%)</p> <p>P Mathematics 214, 244</p>
Mathematical Statistics 316	<p>PP Mathematical Statistics 246</p> <p>P Mathematical Statistics 245 with a final mark of at least 40%)</p> <p>P Mathematics 214, 244</p>
Mathematical Statistics 344	<p>P Mathematical Statistics 312, 316</p>
Mathematical Statistics 364	<p>P Mathematical Statistics 312, 316</p>
Statistics 214	<p>PP Statistical Methods 176 with a final mark of at least 60 or</p> <p>PP Statistics 186 <i>or</i></p> <p>PP Probability Theory and Statistics 114 or 144</p> <p>C Statistics 224 (<i>If you have passed Mathematics 114 or 144, you are exempt from this.</i>)</p>
Statistics 224	<p>PP Statistical Methods 176 with a final mark of at least 60 or</p> <p>PP Statistics 186</p>
Statistics 244	<p>PP Statistics 214 and</p> <p>P Statistics 224</p>
Statistics 318	<p>PP Statistics 214, 224, 244 or</p> <p>PP Mathematical Statistics 214, 245, 246</p>
Statistics 348	<p>P Statistics 318</p>

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.

BAccHons	<ul style="list-style-type: none"> • Weighted average performance mark of 60% for: <ul style="list-style-type: none"> ○ Financial Accounting 379; ○ Management Accounting 378; ○ Auditing 378 and ○ Taxation 399 <p style="text-align: center;"><i>or</i></p> <ul style="list-style-type: none"> • Weighted average performance mark of 55% for: <ul style="list-style-type: none"> ○ Financial Accounting 379; ○ Management Accounting 378; ○ Auditing 378 and ○ Taxation 399 <p>and</p> <ul style="list-style-type: none"> ○ a performance mark of 55% for Financial Accounting 379.
BComHons (Actuarial Science)	<ul style="list-style-type: none"> • BCom (Actuarial Science) degree. • 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 principle 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 did not pass the equivalent of subject A213 at university, or if you completed a bachelor's degree in which all seven of the foundation and intermediate technical subjects were taken, you must have at least six exemptions.
BComHons (Business Management with specialisation areas) *	
<p>* <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.</p>	
<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 pass prerequisite 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 pass prerequisite for BComHons (Business Management: Specialisation in Marketing Management 778). • Consumer Behaviour 224(16) is a pass prerequisite 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) <i>or</i> Marketing Management (Marketing Research) 344(12) is a pass prerequisite for BComHons (Business Management: Specialisation in Strategy and Innovation 778)

<i>BComHons (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 pass prerequisites for Financial Management 713.
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.
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 Mathematical Statistics 3).
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"> • Minimum pass requirement of 65% in Industrial Psychology 314, 324, 348.
BComHons (Industrial Psychology)	<ul style="list-style-type: none"> • BCom (Industrial Psychology) degree programme – required modules comprise all the Psychology first-, second- and third-year modules, plus Industrial Psychology 114, 144, 214, 224, 252, 262, 314, 324, 348. • 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 314, 324, 344, 354.
BComHons (Management Accounting)	<ul style="list-style-type: none"> • Minimum pass requirement of 60% in Financial Accounting 389 and Management Accounting 388.
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; <p><i>or</i></p>

	<ul style="list-style-type: none"> • Minimum pass requirement of 65% average in Mathematical Statistics 2 and a satisfactory average for Computer Science 3.
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 <i>or</i> both Quantitative Management 318(24) and 348(24) must be passed with a minimum of 65%, for admission to Game Theory 743. • Probability Theory and Statistics 144(16) and Operations Research 354(16) are prerequisites for Inventory Control 742. • Operations Research 354(16) <i>or</i> Introductory Forecasting 723 is a prerequisite for Forecasting 753.
BComHons (Quantitative Management)	<ul style="list-style-type: none"> • Minimum pass requirement of 60% in Quantitative Management 318 and 348. • Quantitative Management 318(24) and 348(24) and Quantitative Modelling 711 are prerequisites for Methods in Quantitative Management 741.
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) <i>or</i> Economics 318(24) and 348(24) are prerequisites for Competition and Regulation 715. • Transport Planning and Evaluation 318(24) <i>or</i> Logistics Management 244(16) are prerequisites for Road Transport Management 744.

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