

2017

# UNDERGRADUATE ADMISSION REQUIREMENTS

STELLENBOSCH UNIVERSITY



UNIVERSITEIT  
STELLENBOSCH  
UNIVERSITY



# APPLICATION CHECKLIST

1

Choose a programme at Stellenbosch University – first and second choice.

Visit [www.maties.com](http://www.maties.com) and click on “What can I study?”

2

Take note of closing dates for application.

**31 May:** MB,ChB programme  
**30 June:** All other programmes and accommodation in University Residences

4

Make sure that your application is complete and all the required documents reach us before the closing dates. Incomplete applications can not be considered for admission. Download additional documents.

Visit [www.maties.com](http://www.maties.com), click on “Apply” and “Application documents”.

3

Apply for admission:

- Do e-application at [www.maties.com](http://www.maties.com).
- Or get a paper application form at 021 808 9111 or at [info@sun.ac.za](mailto:info@sun.ac.za).

Visit [www.maties.com](http://www.maties.com), click on “Apply” and “Online application”.

5

The University will inform you by e-mail that your application has been received. You will receive your student number (username) and password.

6

Monitor the completeness and status of your application for admission and accommodation (if applicable).

Visit [www.maties.com](http://www.maties.com), click on “Apply” and “Status of application” and sign in with your student number and password.

8

Attend our Open Day on the Stellenbosch University and Tygerberg campuses on Saturday, **27 February 2016**, from 09:00 to 16:00.

7

Book your place for the National Benchmark Tests at [www.nbt.ac.za](http://www.nbt.ac.za). After one month, make sure that the University received your results.

Visit [www.maties.com](http://www.maties.com), click on “Admissions” and “National Benchmark Tests” and “My NBT results...”

9

Attend our big Welcoming Week at the start of **2017!**

# GENERAL INFORMATION

More information at [www.maties.com](http://www.maties.com)

## CLIENT SERVICES CENTRE

Tel: 021 808 9111

Fax: 021 808 3822

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

## VOLG ONS

 Facebook: [www.facebook.com/MatiesFanPage](https://www.facebook.com/MatiesFanPage)

 Twitter: [@FutureMaties](https://twitter.com/FutureMaties)

 Youtube: [www.youtube.com/user/StellenboschUni](https://www.youtube.com/user/StellenboschUni)

## ADMISSION TO THE UNIVERSITY

The University receives many more applications than there are places for. Therefore, even though you may meet the minimum admission requirements of a programme, you are not guaranteed admission to the programme of your choice. All our programmes are selection programmes and applicants are selected according to the faculties' selection guidelines.

When you apply for admission to the University, we give you a unique student number. Mention this number in all communication with the University, as well as when you apply for bursaries and register for a programme.

Make sure that your application is complete and reach us with all the required additional documents before the closing dates. Late or incomplete applications will not be considered. Download additional documents at [www.maties.com](http://www.maties.com) under "Apply" and "Application documents".

You will be able to check the status of your application at [www.maties.com](http://www.maties.com) by signing in with your username (student number) and password.

### Closing dates for application

- MB,ChB programme under Medicine and Health Sciences: **31 May**
- All other programmes and University residence accommodation: **30 June**

### Basic admission requirements for university study

- A National Senior Certificate (NSC) as certified by Umalusi for admission to bachelor's degree studies, requiring at least 50% in each of four school subjects from the list of subjects designated for university admission
- Writing of the National Benchmark Tests (NBTs) required by your chosen programme  
Please note that when you apply for a programme in the faculties of Law and of Medicine and Health Sciences, the NBTs need to be written by 30 June if you want to be considered for selection.
- Further specific minimum requirements to be found under individual programmes
- See the faculties' selection guidelines on [www.maties.com](http://www.maties.com)

### Subjects for university admission

Accounting, Agricultural Sciences, Business Studies, Consumer Studies, Dramatic Arts, Economics, Engineering, Graphics and Design, Geography, History, Information Technology, Languages (one language of learning and teaching at a higher education institution and two other recognised language subjects), Life Sciences, Mathematics, Mathematical Literacy, Music, Physical Sciences, Religion Studies, Visual Arts.

### Conditional admission

If you have not written the final NSC examination yet on application, your final Grade 11 marks will determine whether the University will admit you conditionally to a programme. Conditional admission means that you are admitted on condition that your final results for the NSC meet the basic admission requirements for university study *and* the minimum admission requirements of the programme you applied for. Only then can your admission to the University be finalised.

Applicants who matriculated before 2008 may contact our Client Services Centre (see above) for the relevant admission requirements.

## NATIONAL BENCHMARK TESTS

- The National Benchmark Tests (NBTs) are a measurement instrument for first-year applicants to enter higher education.
- All prospective students who wish to register at Stellenbosch for their first year are compelled to write the NBTs, irrespective of the year in which they completed Grade 12 or the examination system they followed.
- The NBTs assess a candidate's ability to apply his/her academic literacy (language skills), quantitative literacy (numeracy skills) and mathematics in a tertiary (higher education) setting.
- The NBTs consist of two tests. The first test combines an academic literacy and quantitative literacy evaluation (AQL) in one multiple choice test. There are seven sections that must each be completed within a set time. The second test evaluates mathematical (MAT) ability, also by means of a multiple choice test, to be written within three hours.
- The NBTs are managed by the Alternative Admissions Research Project at the University of Cape Town. Further particulars on the NBTs are available on the website provided below.

- It is the test candidate's responsibility to check that his/her NBT results are indeed loaded onto the [www.maties.com](http://www.maties.com) website (see "Apply" and "National Benchmark Tests" and "My NBT Results ..."). If the results are not loaded, send the following particulars to the SU Client Services Centre: your NBT number, ID number, SU student number and official NBT results.

#### Enquiries about the writing of NBTs and the availability of NBT results

NBT Call Centre (University of Cape Town)  
Tel: 021 650 3523  
Website: [www.nbt.ac.za](http://www.nbt.ac.za)

#### Enquiries about the use of NBT results for selection and placement at SU

Client Services Centre (Stellenbosch University)  
Tel: 021 808 9111  
Website: [www.maties.com](http://www.maties.com)  
E-mail: [info@sun.ac.za](mailto:info@sun.ac.za)

## LANGUAGE AT THE UNIVERSITY

At Stellenbosch University, language is used in a way that is oriented towards engagement with knowledge in a diverse society and to ensure equitable access to learning and teaching opportunities for all South Africans. English and Afrikaans have equal status as languages of access to Stellenbosch University's knowledge base. The University is committed to the use and sustained development of Afrikaans as an academic language. Simultaneously, the University is increasing its educational offering in English to enable optimal learning and teaching for students who are not academically literate in Afrikaans. In addition, the University provides for the development of subject terminology and communication skills in isiXhosa, and for isiXhosa education in some academic programmes for those students who will need mastery of this language in their careers.

Many of our modules are already presented via parallel-medium teaching and real-time interpreting in Afrikaans and English. The language of instruction for each module is shown in the respective faculties' calendars. These calendars and more information about language at the University are available on the website [www.maties.com](http://www.maties.com). Support is provided for the mastery of academic language in Afrikaans and English.

**Parallel medium:** Classes are divided and learning is facilitated in separate English and Afrikaans streams.

**Interpreting:** Real-time interpreting takes place during lectures in either English or Afrikaans, depending on the language used by the lecturer.

**Bilingual:** Learning is facilitated in English (approximately 50%) and Afrikaans (approximately 50%) in the same class, with supplementary tutorial sessions in both languages to address any gaps in understanding.

## BURSARIES AND LOANS

Stellenbosch University offers various bursaries in two main categories:

1. Automatic award: Merit bursaries (on the basis of Grade 12 results)
2. Award based on application:
  - Sports bursaries (Enquiries: Maties Sport 021 808 4642)
  - Bursaries for study in specific faculties or departments
  - General bursaries for study in most faculties
  - Financial help for needy students

### Closing dates for bursary applications

Apply online at [www.maties.com](http://www.maties.com) using your student number.

- Apply before 31 August for all bursaries and bursary loans administered by the University.
- The closing dates for applications for bursaries from private companies vary. See Calendar Part 2.

## FEES

### Application fees

**Electronic applications:** Pay the application fees electronically at the same time.

**Applications using the paper form:** The application fees may accompany the form by means of a cheque or postal order. Alternatively, attach an electronic funds transfer (EFT) proof of payment slip.

### First payment of fees payable on day of registration

(These fees apply for 2016.)

- For degree programmes R11 560
- For certificate and diploma programmes R7 665
- For accommodation R9 625

### How to pay

The University accepts various methods of payment: online with a credit card (see [www.maties.com](http://www.maties.com) under "Fees" for payment methods), cash, crossed cheque made out to Stellenbosch University, electronic deposit, direct deposit at the bank, debit card, and crossed postal order or debit order (debit order form available at the above-mentioned web address or from Sean Davidse at 021 808 3530).

### Banking details

Standard bank  
Branch code 050610  
Account number 063163225  
SWIFT code (only for payments from abroad)  
SBZAZAJJ  
Provide your student number as reference.  
E-mail your proof of payment slip to [Arlene Amerika](mailto:Arlene.Amerika@sun.ac.za) at [studentegelde@sun.ac.za](mailto:studentegelde@sun.ac.za) or fax it to 021 808 3739.

### After the first payment at registration, pay the balance of the account like this:

1. Pay according to the debit order system in eight equal instalments (the first on 1 April), or
2. Pay in two instalments before or on 31 May and 30 September.

## Approximate study fees for 2016

Here are the 2016 study fees for full programmes. Use these as approximate figures to give you an indication of what study fees may be in 2017. Tuition fees were not increased this year, but can increase annually by about 10 to 15%. In due course you may obtain the 2017 fees for specific programmes at [www.maties.com](http://www.maties.com) under "Fees" and "Provisional statement of fees (quotation)".

BA (Bachelor of Arts)	R33 234
BA in Law	R39 265
BMus (Bachelor of Music)	R35 546
BA in Drama and Theatre Studies	R31 644
BA in Visual Arts	R32 124
LLB (Bachelor of Laws – four-year)	R39 106
BSc (Bachelor of Science)	R40 680
BSc in Forestry and Wood Sciences	R37 510
BScAgric (Bachelor of Science in Agriculture)	R37 430
BSc in Food Science	R38 885
BCom (Bachelor of Commerce)	R33 106
BCom in Law	R40 742
BCom in Actuarial Science	R47 428
BAcc (Bachelor of Accounting)	R37 687
BAccLLB	R42 664
BEng (Bachelor of Engineering)	R45 073
BEEd in General Education	R31 748
BTh (Bachelor of Theology)	R33 323
BDiv (Bachelor of Divinity)	R36 027
MB,ChB (Medicine)	R51 120
Bachelor of Occupational Therapy	R38 854
Bachelor of Speech-Language and Hearing Therapy	R36 869
BSc in Physiotherapy	R39 228
BSc in Dietetics	R40 512

## ACCOMMODATION

### Residential accommodation

#### How to apply

- The same prescribed form used to apply for admission to Stellenbosch University is used for applications for residence accommodation.
- Space in University residences is limited and applicants are therefore subject to a selection process. Applications for accommodation exceed the available space at the University. We therefore regretfully cannot guarantee that you will obtain a place in a residence or in the residence of your choice.
- To be considered for a place in a residence you must first be admitted to a programme at the University. Should your first choice of study be subject to an extended selection process (as in the case of a programme in the Faculty of Medicine and Health Sciences), your second choice of study may be used to apply for accommodation. In this way you will ensure that you are considered for a place in residence, even if – in the end – you are not accepted for your first choice of study.
- The residence placement procedure is finalised by 30 October. By this date you should know whether you have a place in a residence. If your application is unsuccessful, we will confirm this after 30 October.

- Once you have been placed in a residence, switching between residences will not be allowed.
- To see whether you were successful with your application, see [www.maties.com](http://www.maties.com), choose "Apply" and "Status of application"

### How we allocate places in residences

The University allocates places in residences in a series of rounds, according to academic merit and diversity, as indicated in our residence placement policy (see our website). Excellence strengthened by diversity is an important principle in the University's residence placement policy, and this principle is continually considered, along with other stipulations. The University believes that exposure to diversity plays an important role in producing excellent students.

*Diversity factors:* (i) students' citizenship – South African and foreign; (ii) students' language of preference (Afrikaans, English and other); (iii) students' ethnicity (coloured, black, Indian and white); (iv) first generation Maties and Maties who have a multi-generational history of University attendance; and (v) students' of varying economic status (students who are financially self-sufficient and those who, on the basis of the means test, come into consideration for support bursaries).

In the first round of placement, academic merit is the main consideration, and, in the second round of placement, the aim is to realise the desired diversity profile while still taking academic merit into consideration.

### Approximate cost of University accommodation

Approximate costs for double room tariffs per year may be estimated from current 2016 prices listed below. Bear in mind that boarding costs increase by about 10% annually. Keep an eye on our website for the official prices for 2016.

Women R32 370

Men R33 050

**Meals:** There are various options (e.g. three meals per day, seven days per week, cost R15 000 per year).

### Private accommodation

Students who do not live in a residence on campus are part of the Private Student Organisation (PSO) and are allocated to one of its ten wards. The PSO wards are organised together with residences into six groups (or clusters). For each of these clusters, a building (called a hub) is being erected, where day students can spend free time, and where they too will have the opportunity to enjoy the benefits of residential life, such as mentor support and the availability of network points to connect a computer to the University's network, its electronic resources and the internet. The cluster hubs Wimbledon and amaMaties are already completed and operational.

Students in the Medicine and Health Sciences fall under the Osler Tygerberg ward. Students on the

Stellenbosch campus can expect a letter or an SMS from their PSO ward confirming their ward allocation, or they can check on [www.maties.com](http://www.maties.com).

## ACADEMIC SUPPORT

### Extended degree programmes

The extended degree programmes are full status programmes that provide an alternative route to academic success. Extended degree programmes are offered in the following faculties: AgriSciences, Arts and Social Sciences, Economic and Management Sciences, Engineering, Medicine and Health Sciences, Science, and Theology. Each faculty has its own admission procedure for its extended degree programmes.

Usually candidates whose results fall just short of the admission requirements or selection criteria are eligible for such programmes. Socio-economic disadvantaged candidates are given preference.

**Website:** [www0.sun.ac.za/ctl/for-faculties/extended-degree-programmes/](http://www0.sun.ac.za/ctl/for-faculties/extended-degree-programmes/)

### SciMathUS bridging programme

SciMathUS, a one-year bridging programme, offers educationally disadvantaged learners who do not meet the minimum admission requirements of a degree programme, a second chance. You choose between a Science and an Accounting stream. You will also do Introduction to University Mathematics and acquire additional skills necessary to be successful in higher education. You then rewrite NSC Mathematics and Physical Sciences. Accounting and Introduction in Economics are assessed by the University. With improved results, you may then reapply to be admitted to higher education.

The programme supports Stellenbosch University's diversity goal and is funded mostly by the private sector. For programme information, admission requirements and closing dates for applications, visit our website or facebook page.

**SciMathUS enquiries:** Adele Pool 021 808 3032; Noni Kulati 021 808 2301

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

**Website:** [www.suncep.sun.ac.za/UPP/SciMathUS/scimathus\\_index.html](http://www.suncep.sun.ac.za/UPP/SciMathUS/scimathus_index.html)

**Facebook:** [www.facebook.com/SciMathUS](http://www.facebook.com/SciMathUS)

## CENTRE FOR STUDENT RECRUITMENT AND CAREER ADVICE

There is such a wide variety of study programmes to choose from that you may be overwhelmed when you have to make decisions about your career. The doors at 45 Victoria Street are open for prospective students and their parents. Feel free to visit us if you need advice.

### Advisory Services

Prospective students and their parents may also make an appointment for a campus visit (discussion session

and campus tour) with one of our advisors about the specific study programmes that are presented at the University.

### Career Advice

Are you uncertain about what school subjects, university study programmes or career to choose? You may make an appointment with any of our psychologists for an assessment for subject or career choices. At the Centre registered professional psychologists offer career guidance to support students to make an informed career choice.

The services are as follows:

- Guidance for subject choices for Grade 9 learners
  - Career guidance for Grade 11 and 12 learners
- \* Both include psychometric assessment and an individual feedback session.

### Booking

On your cell phone, press \*120\*1536# and follow instructions.

Still uncertain about what career to choose? Make use of our free career assessment and subject choice resources at [www.gostudy.net/maties](http://www.gostudy.net/maties).

Our popular **Open Day** will be presented on **Saturday, 27 February 2016**.

### Enquiries:

**Tel:** 021 808 4704 / 4709

**Fax:** 021 808 4708

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

**Website:** [www.maties.com](http://www.maties.com)

## WELCOMING PROGRAMME

After you have received conditional admission to the study programme for which you have applied, the University will provide you with details about when you should report at Stellenbosch for the Welcoming Programme (which is compulsory), and how to register as a student. This information will be made available to you from November onwards on our website.

## INDEMNITY

*The University reserves the right to adjust the information in this brochure at any time and as the need arises. This information may therefore be incomplete or out of date. The information is given here to the best of our knowledge and as accurately and fully as was possible at the time of going to press in December 2015. Verifying the given information remains the responsibility of the prospective student. The latest information is available on [www.maties.com](http://www.maties.com) and at the telephone numbers given in this brochure.*

## ABBREVIATIONS

NSC = National Senior Certificate

NBTs = National Benchmark Tests

EDPs = extended degree programmes



# FACULTY OF AGRISCIENCES

**Language of instruction:** Many modules are offered in English and in Afrikaans; a few in English or Afrikaans only.

**Admission and selection:** Applicants who meet the minimum requirements for their chosen programme, are selected according to the Faculty's selection guidelines on [www.maties.com](http://www.maties.com).

Programmes	Minimum admission requirements	Career opportunities
<p><b>AGRICULTURAL ECONOMICS AND MANAGEMENT</b>  <b>BAgricAdmin in Agricultural Economics and Management</b>                      3 years</p> <p>Field of study:                      - Agribusiness</p> <p><b>BScAgric in Agricultural Economics and Management</b>                      4 years</p> <p>Fields of study:                      - Agricultural Economic Analysis                      - Agricultural Economic Analysis and Management                      - Food-processing Management</p>	<ul style="list-style-type: none"> <li>• Write the NBTs AQL and MAT</li> <li>• An NSC aggregate of at least 60% (excluding Life Orientation)</li> <li>• English OR Afrikaans (Home Language or First Additional Language) 50%</li> <li>• Mathematics 60%</li> <li>• Physical Sciences (Physics and Chemistry) 50%</li> </ul>	<p><b>BAgricAdmin:</b> Manager in agribusiness, focusing on crop or animal production. Agricultural economist at financial institution (feasibility studies, business plans, cash flow planning).</p> <p><b>BScAgric:</b> Researcher in macroeconomic analysis (impact assessment and design of agricultural and food policy); agricultural economist at a financial institution or marketing organisation (valuations, risk analyses, business plans, cash flow); manager at public sector or international organisations dealing with economic development (e.g. the World Bank). Manager of food-processing concerns.</p>
<p><b>AGRICULTURAL PRODUCTION AND MANAGEMENT</b>  <b>BAgric in Agricultural Production and Management: Eisenburg</b>                      3 years</p> <p>Fields of study (choose two):                      - Agronomy and pastures                      - Animal production                      - Cellar management                      - Cellar technology                      - Extension                      - Pomology                      - Vegetable production                      - Viticulture and oenology</p>	<ul style="list-style-type: none"> <li>• Write the NBTs AQL (all students) and MAT (if you take Mathematics)</li> <li>• An NSC aggregate of at least 60% (excluding Life Orientation)</li> <li>• English OR Afrikaans (Home Language or First Additional Language) 50%</li> <li>• Mathematics 50% OR Mathematical Literacy 60%</li> <li>• Physical Sciences (Physics and Chemistry) 50% OR</li> <li>• Life Sciences 50% OR</li> <li>• Agricultural Sciences 50%</li> </ul>	<p>General agricultural manager, agricultural production manager, winemaker, cellar manager, agricultural extension officer and careers in agritourism, research, education and training in your chosen study fields. More information on 021 808 5451.</p>
<p><b>ANIMAL PRODUCTION SYSTEMS</b>  <b>BScAgric in Animal Production Systems</b>                      4 years</p> <p>Fields of study:                      - Animal Sciences (Main Field)                      - Animal Sciences with Agronomy                      - Animal Sciences with Aquaculture                      - Animal Sciences with Conservation Ecology                      - Agricultural Economics with Animal Sciences</p>	<ul style="list-style-type: none"> <li>• Write the NBTs AQL and MAT</li> <li>• An NSC aggregate of at least 60% (excluding Life Orientation)</li> <li>• English OR Afrikaans (Home Language or First Additional Language) 50%</li> <li>• Mathematics 60%</li> <li>• Physical Sciences (Physics and Chemistry) 50%</li> </ul>	<p>Consultant, entrepreneur, manager, technician, extension officer or production manager in animal sciences or in related industries (such as animal nutrition, meat science, animal physiology, animal reproduction and animal breeding), or in the aquaculture industry, stock-farmer and game farmer.</p>



Programmes	Minimum admission requirements	Career opportunities
<p><b>CONSERVATION ECOLOGY AND ENTOMOLOGY</b>  <b>BSc in Conservation Ecology</b>            4 years</p>	<ul style="list-style-type: none"> <li>• Write the NBTs AQL and MAT</li> <li>• An NSC aggregate of at least 60% (excluding Life Orientation)</li> <li>• English OR Afrikaans (Home Language or First Additional Language) 50%</li> <li>• Mathematics 60%</li> <li>• Physical Sciences (Physics and Chemistry) 50%</li> </ul>	<p>Careers in environmental impact assessment and monitoring, restoration ecology, conservation biology, game farm management, ecotourism, sustainable agriculture, forestry and organic plant management, community-based natural resource management and research into conservation biology.</p>
<p><b>FOOD PRODUCTION SYSTEMS</b>  <b>BSc in Food Science</b>            4 years</p>	<ul style="list-style-type: none"> <li>• Write the NBTs AQL and MAT</li> <li>• An NSC aggregate of at least 60% (excluding Life Orientation)</li> <li>• English OR Afrikaans (Home Language or First Additional Language) 50%</li> <li>• Mathematics 60%</li> <li>• Physical Sciences (Physics and Chemistry) 50%</li> </ul>	<p>Food scientists are employed to do quality assurance, product development, research, technical support, sales, purchasing and production management in the food industry.</p>
<p><b>FORESTRY AND WOOD SCIENCES</b>  <b>BSc in Forestry (BScFor)</b>            4 years</p> <p>Fields of study:            - Forestry and Natural Resource Sciences            - Wood and Wood Products Sciences</p>	<ul style="list-style-type: none"> <li>• Write the NBTs AQL and MAT</li> <li>• An NSC aggregate of at least 60% (excluding Life Orientation)</li> <li>• English OR Afrikaans (Home Language or First Additional Language) 50%</li> </ul> <p><i>For the field of study Forestry and Natural Resource Sciences, also:</i></p> <ul style="list-style-type: none"> <li>• Mathematics 60%</li> <li>• Physical Sciences (Physics and Chemistry) 50%</li> </ul> <p><i>For the field of study Wood and Wood Products Sciences, also:</i></p> <ul style="list-style-type: none"> <li>• Mathematics 70%</li> <li>• Physical Sciences (Physics and Chemistry) 60%</li> </ul>	<p><b>Forest and Natural Resource Sciences:</b> Work as forestry expert, timber grower, environmental planner, forest researcher, forester, extension officer or consultant, logistics manager, tree breeder, rural development advisor and entrepreneur.</p> <p><b>Wood and Wood Products Sciences:</b> Work as wood products expert, manager in a production plant for wood products, product development manager, quality assurance manager, consultant and wood scientist.</p>
<p><b>PLANT AND SOIL SCIENCES</b>  <b>BScAgric in Plant and Soil Sciences</b>            4 years</p> <p>Fields of study:            - Crop Productions            - Crop Protection and Breeding            - Soil and Water Management (majoring in Soil Science and Chemistry)</p>	<ul style="list-style-type: none"> <li>• Write the NBTs AQL and MAT</li> <li>• An NSC aggregate of at least 60% (excluding Life Orientation)</li> <li>• English OR Afrikaans (Home Language or First Additional Language) 50%</li> <li>• Mathematics 60%</li> <li>• Physical Sciences (Physics and Chemistry) 50%</li> </ul> <p><i>For the field of study Soil and Water Management, as above BUT:</i></p> <ul style="list-style-type: none"> <li>• Mathematics 70%</li> </ul>	<p>Career opportunities in crop production (agronomy, deciduous fruit, citrus, fynbos, viticulture and greenhouse), crop protection, genetic crop improvement, and soil and water management. Various careers in the agricultural industry or in agriculture-related industries, such as consultant, entrepreneur, manager, extension officer, technician or researcher.</p>





<p><b>WINE PRODUCTION SYSTEMS</b>  <b>BScAgric in Viticulture and Oenology or in Oenology (Spec)</b>  4 years</p> <p>Fields of study:  - Viticulture and Oenology (General)  - Oenology (Specialised)</p>	<ul style="list-style-type: none"> <li>• Write the NBTs AQL and MAT</li> <li>• An NSC aggregate of at least 60% (excluding Life Orientation)</li> <li>• English OR Afrikaans (Home Language or First Additional Language) 50%</li> <li>• Mathematics 60%</li> <li>• Physical Sciences (Physics and Chemistry) 50%</li> </ul>	<p>Winemaker, viticulturist, researcher, production manager, marketer, technician, consultant or entrepreneur in wine-related industries.</p>
<p><b>EXTENDED DEGREE PROGRAMMES</b>  1 extra year of study</p> <p>Except for BAgri in Agricultural Production and Management (Elsenburg), all the programmes above are also available as extended degree programmes.</p>	<ul style="list-style-type: none"> <li>• NBT results between 33% and 47%</li> <li>• An NSC aggregate of at least 60%</li> <li>• English OR Afrikaans (Home Language or First Additional Language) 50%</li> <li>• Mathematics between 55% and 59,9%</li> <li>• Physical Sciences (Physics and Chemistry) between 45% and 49,9%</li> </ul> <p><i>For the field of study Soil and Water Management, as above BUT:</i></p> <ul style="list-style-type: none"> <li>• Mathematics between 60% and 69,9%</li> </ul> <p><i>For the field of study Wood and Wood Products Sciences, as above BUT:</i></p> <ul style="list-style-type: none"> <li>• Mathematics between 60% and 69,9% AND</li> <li>• Physical Sciences (Physics and Chemistry) between 55% and 59,9%</li> </ul>	<p><i>Careers as described above for each programme.</i></p>

## FACULTY OF ARTS AND SOCIAL SCIENCES

**Language of instruction:** Classes are offered mainly bilingually in Afrikaans and English (T specification). In our Calendar the language of instruction is specified per module.

**General minimum admission requirements**

- Write the NBT AQL
- An NSC aggregate of at least 60% (excluding Life Orientation)
- See further admission requirements under the programmes
- Also see the Faculty's selection guidelines on [www.maties.com](http://www.maties.com) under "Admissions"

**GENERAL DEGREE PROGRAMMES**

Our general programmes give you a broad background for a variety of careers in related fields.

Programmes	Minimum admission requirements	Career opportunities
<p><b>BA in Humanities#</b>  3 years</p> <p>Routes:  - Human thought, language, culture and art  - People and society</p>	<ul style="list-style-type: none"> <li>• Home Language 50%</li> <li>• First Additional Language 40%</li> </ul> <p><i>If Socio-Informatics is taken as a university subject, then also:</i></p> <ul style="list-style-type: none"> <li>• Mathematics 50% OR Mathematical Literacy 70%</li> </ul>	<p>A choice of many subjects that focus on either of the two routes. Prepares you, with further postgraduate training, for professions such as teacher, psychologist, language practitioner, journalist and town and regional planner.</p>

<p><b>BA in Language and Culture#</b> 3 years</p>	<ul style="list-style-type: none"> <li>• Home Language 50%</li> <li>• First Additional Language 40%</li> </ul>	<p>Careers in professions requiring expertise in languages and culture, diplomatic service, teaching, publishing, advertising, tourism, journalism and the translation industry.</p>
<p><b>BA in Social Dynamics#</b> 3 years</p>	<ul style="list-style-type: none"> <li>• Home Language 50%</li> <li>• First Additional Language 40%</li> </ul> <p><i>If Socio-Informatics is taken as a university subject, then also:</i></p> <ul style="list-style-type: none"> <li>• Mathematics 50% OR Mathematical Literacy 70%</li> </ul> <p><i>If Economics is taken as a university subject, then also:</i></p> <ul style="list-style-type: none"> <li>• Mathematics 60%</li> </ul>	<p>Subjects such as Economics, Geography and Environmental Studies, History, Political Science, Psychology, Social Anthropology and Sociology with postgraduate study can lead to a career in psychology, planning, media, education and training, liaising, politics, management, research, policy analysis and consultation.</p>

### SPECIALISED DEGREE PROGRAMMES

Our specialised programmes are focused on specific careers.

<p><b>BA in Development and the Environment#</b> 3 years</p>	<ul style="list-style-type: none"> <li>• Home Language 50%</li> <li>• First Additional Language 40%</li> </ul> <p><i>If Socio-Informatics is taken as a university subject, then also:</i></p> <ul style="list-style-type: none"> <li>• Mathematics 50% OR Mathematical Literacy 70%</li> </ul> <p><i>If Economics is taken as a university subject, then also:</i></p> <ul style="list-style-type: none"> <li>• Mathematics 60%</li> </ul>	<p>Career possibilities in community development, population development, town and regional planning, tourism, resource planning and management, and environmental planning and management in the public and private sectors.</p>
<p><b>BA in Drama and Theatre Studies</b> 3 years</p> <p>Routes: - Acting and performance training - Technical and management training</p> <p>Selection requirements and entrance assignment available at <a href="http://www.maties.com">www.maties.com</a> under "What can I study" and "Arts and Social Sciences" or at <a href="mailto:amm@sun.ac.za">amm@sun.ac.za</a>. Hand personal information and written assignment in by 15 August.</p>	<ul style="list-style-type: none"> <li>• Home Language 50%</li> <li>• First Additional Language 50%</li> <li>• Candidates must be available for auditions and/or interviews at the Drama Department in Stellenbosch at the end of September</li> </ul>	<p>This qualification equips you for a career in the theatre and media industries, and gives you access to related fields such as public relations, marketing, teaching and cultural affairs.</p>
<p><b>BA in Human Resource Management#</b> 3 years</p>	<ul style="list-style-type: none"> <li>• Home Language 50%</li> <li>• First Additional Language 40%</li> <li>• Mathematics 50%</li> </ul> <p><i>If Statistics is taken as a university subject, then:</i></p> <ul style="list-style-type: none"> <li>• Mathematics 60%</li> </ul>	<p>Development manager, human resource manager, psychometrician, management consultant and labour relations practitioner. Leads to postgraduate studies in Human Resource Management or Industrial Psychology.</p>



<p><b>BA in International Studies#</b> 3 years</p>	<ul style="list-style-type: none"> <li>English Home Language 50% OR English First Additional Language 60%</li> </ul>	<p>The diplomatic service, parliament, the National Intelligence Agency, the tourism industry, international journalism, public liaison work, the import and export industry, and institutions that promote commerce and investment (e.g. Wesgro), international organisations (such as the UN, Amnesty International, World Economic Forum).</p>
<p><b>BA in Law</b></p>	<p>See BA (Law) under Faculty of Law.</p>	
<p><b>Bachelor of Music (BMus)</b> 4 years</p> <p>Selection based on an audition and theoretical test, during which candidates must demonstrate proof of the required standards. On receiving your application, we send you information about the audition. Further information at <a href="mailto:mdn@sun.ac.za">mdn@sun.ac.za</a>.</p>	<ul style="list-style-type: none"> <li>Home Language 50%</li> <li>First Additional Language 40%</li> <li>In the main instrument (or in singing) at least a practical standard in classical music equivalent to the Grade VII examination and theoretical knowledge equivalent to any of the examining bodies' Grade V theory examination</li> </ul> <p><i>If Mathematics is taken as a university subject, then also:</i></p> <ul style="list-style-type: none"> <li>Mathematics 70%</li> </ul>	<p>Music educator (lecturer or teacher), performing artist, accompanist, music director, musicologist, composer or conductor. Music-related professions such as journalist, music arranger or music technologist. Postgraduate fields of study: Music Education, Performance, Chamber Music/ Accompaniment, Soloist Singer/ Solo Instrumentalist, Musicology, Composition, MusicTechnology, Ethnomusicology and Choral Conducting.</p>
<p><b>BA in Music</b> 3 years</p> <p>Selection based on an audition and theoretical test, during which candidates must demonstrate proof of the required standards. On receiving your application, we send you information about the audition. Further information at <a href="mailto:mdn@sun.ac.za">mdn@sun.ac.za</a>.</p>	<ul style="list-style-type: none"> <li>Home Language 50%</li> <li>First Additional Language 40%</li> <li>In the main instrument (or in singing) at least a practical standard in classical music equivalent to the Grade VII examination and theoretical knowledge equivalent to any of the examining bodies' Grade V theory examination</li> </ul> <p><i>If Mathematics is taken as a university subject, then also:</i></p> <ul style="list-style-type: none"> <li>Mathematics 70%</li> </ul>	<p>Private music teacher, conductor, performing artist or accompanist. Upon further studies also music-related professions such as music journalist, music therapist or high school teacher. Postgraduate studies in your chosen major may open up other careers.</p>
<p><b>Diploma in Practical Music</b> 3 years</p> <p>Selection based on an audition and theoretical test, during which candidates must demonstrate proof of the required standards. On receiving your application, we send you information about the audition. Further information at <a href="mailto:mdn@sun.ac.za">mdn@sun.ac.za</a>.</p>	<ul style="list-style-type: none"> <li>NBTs not to be written</li> <li>A National Senior Certificate with at least 40% in each of four school subjects (excluding Life Orientation)</li> <li>In the main instrument (or in singing) at least a practical standard in classical music equivalent to the Grade VII examination and theoretical knowledge equivalent to any of the examining bodies' Grade III/ IV theory examination</li> </ul>	<p>Instrumental or singing teacher, choral conductor, church organist, performing artist or orchestral musician.</p>

<p><b>Advanced Diploma in Practical Music</b> 1 year</p> <p>Selection based on an audition, during which candidates must demonstrate proof of the required standards. On receiving your application, we send you information about the audition. Further information at <a href="mailto:mdn@sun.ac.za">mdn@sun.ac.za</a>.</p>	<ul style="list-style-type: none"> <li>• Diploma in Practical Music with Music Studies S 221 and 261</li> </ul>	<p>Performing artist, accompanist, music teacher or conductor. Studies might allow admission to BMus with specialization in Music Education, Musical Performance in Chamber Music or Accompaniment, Solo Singing or Solo Performance, Musicology, Composition, Music Technology, Church Music, Ethnomusicology or Choir Conducting.</p>
<p><b>Higher Certificate in Music</b> 1 year</p> <p>Selection based on an audition and theoretical test, during which candidates must demonstrate proof of the required standards. On receiving your application, we send you information about the audition. Further information at <a href="mailto:mdn@sun.ac.za">mdn@sun.ac.za</a>.</p>	<ul style="list-style-type: none"> <li>• NBTs not to be written</li> <li>• A National Senior Certificate</li> <li>• In the main instrument (or in singing) at least a practical standard in classical music equivalent to the Grade V/VI examination and theoretical knowledge equivalent to any of the examining bodies' Grade III/IV theory examination</li> </ul>	<p>You can add value to community music projects. This qualification can prepare you for the Diploma in Practical Music or one of the music degree programmes, provided you comply with all the admission requirements.</p>
<p><b>BA in Political, Philosophical and Economic Studies (PPE)</b> 3 years</p>	<ul style="list-style-type: none"> <li>• Home Language 50%</li> <li>• First Additional Language 40%</li> <li>• Mathematics 60%</li> </ul>	<p>Manager, journalist, business or investment analyst, entrepreneur, diplomat, civil servant, researcher, consultant or academic.</p>
<p><b>Bachelor of Social Work#</b> 4 years</p>	<ul style="list-style-type: none"> <li>• Home Language 50%</li> <li>• First Additional Language 40%</li> </ul>	<p>Social worker in state departments, non-profit organisations, facilities for persons with special needs, schools, hospitals, occupational settings, and in private practice. Can also practice internationally.</p>
<p><b>BA in Socio-Informatics#</b> 3 years</p>	<ul style="list-style-type: none"> <li>• Home Language 50%</li> <li>• First Additional Language 40%</li> <li>• Mathematics 60%</li> </ul> <p><i>If Mathematics is taken as a university subject, then also:</i></p> <ul style="list-style-type: none"> <li>• Mathematics 70%</li> </ul>	<p>Knowledge engineer, business analyst, project manager, internet developer, corporate information systems architect, knowledge manager, electronic business specialist, database manager and analyst in decision support systems.</p>
<p><b>BA in Sport Science</b> 3 years</p> <p>Place for 80 students. Complete the Department's selection questionnaire and medical history form (available at 021 808 9111 or <a href="http://www.maties.com">www.maties.com</a> under "What can I study" and "Arts and Social Sciences") and submit with your application for admission.</p>	<ul style="list-style-type: none"> <li>• Home Language 50%</li> <li>• First Additional Language 40%</li> <li>• Mathematics 40% OR Mathematical Literacy 70%</li> <li>• Physical Sciences 40% OR Life Sciences 50%</li> <li>• Attendance of and participation in sport practicals are compulsory</li> </ul>	<p>Sports coaching, recreation leadership, sports administration, sports marketing, sports management, sport for persons with disabilities, the fitness industry, biokinetics (on completing honours degree and internship), sport research and teaching (physical training). Sport Science can be combined with Geography and Environmental Studies, Psychology, <i>Afrikaans en Nederlands</i> or English Studies.</p>

<p><b>BA in Visual Arts</b> 4 years</p> <p>Portfolio to be handed in by 30 September. Information at <a href="http://www.maties.com">www.maties.com</a> under “What can I study” and “Arts and Social Sciences” or at 021 808 2508 mornings only.</p> <p>Routes: - Fine Arts - Jewellery and Metal Design - Visual Communication Design</p>	<ul style="list-style-type: none"> <li>• Home Language 50%</li> <li>• First Additional Language 40%</li> <li>• Selection based on a prescribed portfolio of art</li> </ul>	<p>Professional fine artist, art teacher, graphic designer, illustrator, jewellery designer and manufacturer, art critic or art theorist. Related professions: stage designer, book designer, curator, museum and art gallery custodian, art dealer, art entrepreneur, gemmologist, technical expert in sculpture, welding, casting, lithography as well as fields such as film production, art direction, photography and advertising.</p>
<p><b>#Extended Degree Programmes</b> 4 years Available in all programmes marked with a #.</p>	<p>Students are selected for the extended degree programmes at the discretion of the Faculty. See “Academic support” on page 4.</p>	<p><i>Careers as described above for the various programmes.</i></p>

## FACULTY OF ECONOMIC AND MANAGEMENT SCIENCES

### Language of instruction

The programmes Bachelor of Accounting (BAcc) are offered in both English and Afrikaans in separate streams from the first to the final year (parallel-medium instruction). The first year of all our other undergraduate programmes are presented fully in English and Afrikaans (parallel-medium instruction). In the second and third years the language of instruction is either one of, or a combination of, the following: parallel medium, bilingual (when modules of other faculties are taken), and educational interpreting into Afrikaans or into English (see “Language at the University” on page 2).

### Selection

In the first place, applicants must meet the requirements of the programme they are applying for. According to the Faculty’s selection guidelines (see [www.maties.com](http://www.maties.com)), your application will be considered based on the grounds of your selection mark, your Grade 11 marks (or your Grade 12 marks if you have already matriculated) and whether place is available in the programme. This arrangement excludes BAacLLB and BCom (Law).

**Selection mark:**  $(2 \times \text{Mathematics average} + \text{the average of 5 other subjects, excluding Life Orientation}) + 7$

**Note:** Where applicants present more than six school subjects from the list designated for university admission (page 1), the five highest marks are used for the average of the “other subjects”. For applicants who present fewer than six subjects, the following calculation will be used:

$(2 \times \text{Mathematics average} + \text{averages of 3 other subjects}) + 5$

## DEGREE PROGRAMMES WITH A FOCUS ON LAW

For admission requirements and career opportunities, see under the Faculty of Law:

BCom (Law)

BAccLLB

## BROAD DEGREE PROGRAMMES WITH VARIOUS CAREER FOCUSES

Programmes	Minimum admission requirements	Career opportunities
<p><b>BCom</b> 3 years</p> <p>You build up your own curriculum from a wide choice of subjects, which may include a subject from the Faculty of Arts and Social Sciences.</p>	<ul style="list-style-type: none"> <li>• Write the NBTs AQL and MAT</li> <li>• An NSC aggregate of at least 60% (excluding Life Orientation)</li> <li>• Mathematics 60%</li> <li>• English OR Afrikaans Home Language 50%</li> <li>• English OR Afrikaans First Additional Language 60%</li> </ul> <p><i>If you want to take Mathematics and/or Computer Science as university subjects:</i></p> <ul style="list-style-type: none"> <li>• Mathematics 70%</li> </ul>	<p>Become an expert in the public or private sector who can add value in the area of economic thought and the management of a business or a public organisation, including financial and human resource management.</p>
<p><b>BCom (Economic Sciences)</b> 3 years</p> <p>Focal areas (choose in second year):</p> <ul style="list-style-type: none"> <li>- Economics (Econometricians)</li> <li>- Economics (Economic and Management Consultants)</li> <li>- Economics (Financial Sector)</li> <li>- Transport Economics</li> </ul>	<ul style="list-style-type: none"> <li>• Write the NBTs AQL and MAT</li> <li>• An NSC aggregate of at least 60% (excluding Life Orientation)</li> <li>• Mathematics 60%</li> <li>• English OR Afrikaans Home Language 50%</li> <li>• English OR Afrikaans First Additional Language 60%</li> </ul> <p><i>If you want to take Mathematics and/or Computer Science as university subjects:</i></p> <ul style="list-style-type: none"> <li>• Mathematics 70%</li> </ul>	<p><b>Economics:</b> This leads to a career in the financial sector as economic/financial analyst or economic/management consultant. Graduates with an aptitude for and training in mathematics and statistics, along with economics, can opt for employment as econometricians in the financial or public sectors or at a research institution.</p> <p><b>Transport Economics:</b> Transport economists plan and manage transport infrastructure, the formulation of transport policy and the control of transport systems for public enterprises and transport organisations.</p>
<p><b>BCom (Management Sciences)</b> 3 years</p> <p>Focal areas (choose in second year):</p> <ul style="list-style-type: none"> <li>- Agricultural economics</li> <li>- Entrepreneurship and innovation</li> <li>- Financial Management</li> <li>- Human Resource Management</li> <li>- Information Systems Management</li> <li>- Logistics Management</li> <li>- Marketing Management</li> <li>- Public and Development Management</li> <li>- Quantitative Management</li> </ul>	<ul style="list-style-type: none"> <li>• Write the NBTs AQL and MAT</li> <li>• An NSC aggregate of at least 60% (excluding Life Orientation)</li> <li>• Mathematics 60%</li> <li>• English OR Afrikaans Home Language 50%</li> <li>• English OR Afrikaans First Additional Language 60%</li> </ul>	<p><b>Agricultural Economics:</b> Careers include entrepreneurship, general management, financial management and logistics management for the provision of agricultural inputs and services, for the processing and distribution of agricultural products, and for agricultural financing.</p> <p><b>Entrepreneurship and Innovation:</b> This focal area teaches you how to create your own job opportunities and to make creative contributions to other businesses.</p> <p><b>Financial Management:</b> Whether you consider starting your own business or working for a big company, a sound knowledge of financial management is essential for success. Follow a career as investment analyst, financial manager or financial adviser.</p>

Programmes	Minimum admission requirements	Career opportunities
<p><i>This programme is available as an extended degree programme (EDP), entailing one extra year of study. One cannot apply for the EDP; candidates are selected from applicants for the BCom (Management Sciences)</i></p>		<p><b>Human Resource Management:</b> This leads to non-statutory registration as Human Resource Practitioner with the South African Board for People Practices. Follow a career as personnel manager, market researcher, training manager, consultant or labour relations manager. (For statutory registration as psychometrist or industrial psychologist, see BCom (Industrial Psychology).)</p> <p><b>Information Systems Management:</b> Knowledge technologies are integrated with organisational strategies and processes in order to enhance productivity, efficiency and (sometimes) innovation.</p> <p><b>Logistics Management:</b> A logistics manager plans and controls the efficient, effective flow and storage of goods, services and related information from the place of origin to the place of consumption.</p> <p><b>Marketing Management:</b> In this field you will be engaged in various marketing activities such as product decisions, price determination, distribution, advertising and creating awareness of products or services. Possible careers are: marketing manager, sales manager, client manager and advertising manager.</p> <p><b>Public and Development Management:</b> Management careers in the public, non-government and development sector such as general, strategic, financial, personnel, project or programme manager. Development planner, community developer or a specialist in policy and management research and consultation.</p> <p><b>Quantitative Management:</b> After sufficient practical experience you can analyse and manage business functions and processes at the strategic, tactical and operational levels.</p>
<p><b>BCom (Mathematical Sciences)</b> 3 years</p> <p>Focal areas (choose in second year):</p> <ul style="list-style-type: none"> <li>- Computer Science</li> <li>- Financial Risk Management</li> <li>- Mathematical Statistics</li> <li>- Operations Research</li> </ul>	<ul style="list-style-type: none"> <li>• Write the NBTs AQL and MAT</li> <li>• An NSC aggregate of at least 60% (excluding Life Orientation)</li> <li>• Mathematics 70%</li> <li>• English OR Afrikaans Home Language 50%</li> <li>• Afrikaans OR English First Additional Language 60%</li> </ul>	<p><b>Computer Science:</b> With a broad knowledge of computer science and of the business world, you will be able to make a success of a career as programmer in any environment.</p> <p><b>Financial Risk Management:</b> People with training in financial risk management, mathematical statistics and financial mathematics are appointed by large financial institutions as financial quantitative analysts, such as financial risk managers, portfolio managers and financial instrument dealers.</p> <p><b>Mathematical Statistics:</b> Mathematical-statistical theory, procedures and the accompanying computer skills are in great demand in national and international corporate, research and public sectors. Follow a career as statistician, data miner, data manager and statistical analyst in marketing, information and management departments.</p> <p><b>Operations Research:</b> This practice-oriented focal area finds mathematically-based solutions for problems that have a high degree of complexity, uncertainty and conflict in factories, businesses, banks, and the mining and agricultural sectors.</p>



<p><b>BCom (International Business)</b> 4 years</p> <p>The third year includes an international exchange semester. Language of instruction is English.</p>	<ul style="list-style-type: none"> <li>• Write the NBTs AQL and MAT</li> <li>• An NSC aggregate of at least 60% (excluding Life Orientation)</li> <li>• Mathematics 70%</li> <li>• English Home Language 60% OR English First Additional Language 70%</li> </ul>	<p>Interaction with international students and the global marketplace prepares you for a role in international firms as marketing manager, financial manager, entrepreneur or innovation manager.</p>
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## DEGREE PROGRAMMES FOR PROFESSIONAL REGISTRATION

Programmes	Minimum admission requirements	Career opportunities
<p><b>BCom (Actuarial Science)</b> 3 years</p>	<ul style="list-style-type: none"> <li>• Write the NBTs AQL and MAT</li> <li>• An NSC aggregate of at least 70% (excluding Life Orientation)</li> <li>• Mathematics 80%</li> <li>• English Home Language 60% AND any First Additional Language 60%* OR</li> <li>• Other Home Language (than English) 60% AND English First Additional Language 70%*</li> </ul> <p>*Updated requirements that differ from the printed brochure.</p>	<p>To become an Actuary (Fellow of the Actuarial Society of South Africa) you need to pass the fifteen examinations of the professional body and have sufficient work experience. Successful university studies may result in exemptions from many of these examinations.</p>
<p><b>BAcc</b> 3 years</p> <p>Classes in Afrikaans and in English (parallel-medium instruction) up to final year.</p>	<ul style="list-style-type: none"> <li>• Write the NBTs AQL and MAT</li> <li>• An NSC aggregate of at least 70% (excluding Life Orientation)</li> <li>• Mathematics 70% OR Accounting 70%</li> <li>• English OR Afrikaans Home Language 50%</li> <li>• Afrikaans OR English First Additional Language 60%</li> </ul>	<p>To obtain the professional qualification of Chartered Accountant, you have to pass the examinations of the South African Institute of Chartered Accountants (SAICA) and/ or the Independent Regulatory Board for Auditors (IRBA). A chartered accountant can work as an auditor for an auditing firm. This profession has statutory protection. Other jobs in financial management, management accounting or tax consulting may also be considered.</p>
<p><b>BCom (Management Accounting)</b> 3 years</p>	<ul style="list-style-type: none"> <li>• Write the NBTs AQL and MAT</li> <li>• An NSC aggregate of at least 60% (excluding Life Orientation)</li> <li>• Mathematics 60%</li> <li>• English OR Afrikaans Home Language 50%</li> <li>• Afrikaans OR English First Additional Language 60%</li> </ul>	<p>The internationally recognised professional qualification of Chartered Management Accountant is obtained by passing the examinations of the Chartered Institute of Management Accountants (CIMA, London). Chartered management accountants focus on financial competencies and interpret and use financial information in the management of a business.</p>
<p><b>BCom (Financial Accounting)</b> 3 years</p>	<ul style="list-style-type: none"> <li>• Write the NBTs AQL and MAT</li> <li>• An NSC aggregate of at least 60% (excluding Life Orientation)</li> <li>• Mathematics 60%</li> <li>• English OR Afrikaans Home Language 50%</li> <li>• Afrikaans OR English First Additional Language 60%</li> </ul>	<p>The internationally recognised professional qualification of Chartered Certified Accountant is obtained by passing the examinations of the Association of Chartered Certified Accountants (ACCA, London). Certified accountants prepare financial statements, do internal auditing and give advice on business and taxation matters.</p>

Programmes	Minimum admission requirements	Career opportunities
<b>BCom (Industrial Psychology)</b> 3 years	<ul style="list-style-type: none"> <li>• Write the NBTs AQL and MAT</li> <li>• An NSC aggregate of at least 60% (excluding Life Orientation)</li> <li>• Mathematics 60%</li> <li>• English OR Afrikaans Home Language 50%</li> <li>• Afrikaans OR English First Additional Language 60%</li> </ul>	Statutory registration with the Health Professions Council of South Africa (HPCSA) as Psychometrist (independent practice) is possible after obtaining the BCom (Industrial Psychology) and BComHons (Industrial Psychology) degrees, an internship of six months and passing a professional board exam. Statutory registration as an Industrial Psychologist with the HPCSA is possible after successful completion of the MCom (Industrial Psychology) programme, an internship of 12 months and a professional board exam.
<b>BCom (focal area Financial Planning)</b> 3 years	<ul style="list-style-type: none"> <li>• Write the NBTs AQL and MAT</li> <li>• An NSC aggregate of at least 60% (excluding Life Orientation)</li> <li>• Mathematics 60%</li> <li>• English OR Afrikaans Home Language 50%</li> <li>• Afrikaans OR English First Additional Language 60%</li> </ul>	Careers as financial advisors in banking, insurance and other industries, and in own enterprise. For the internationally recognised qualification of Certified Financial Planner (CFP), follow up with the Postgraduate Diploma in Financial Planning and write an entrance examination.
<b>BCom (focal area Investment Management)</b> 3years	<ul style="list-style-type: none"> <li>• Write the NBTs AQL and MAT</li> <li>• An NSC aggregate of at least 60% (excluding Life Orientation)</li> <li>• Mathematics 60%</li> <li>• English OR Afrikaans Home Language 50%</li> <li>• Afrikaans OR English First Additional Language 60%</li> </ul>	The curriculum is based on that of the sought-after international Chartered Financial Analyst. Careers include investment analyst, portfolio manager, securities broker and trader.

## FACULTY OF EDUCATION

**Language of instruction:** Classes are taught bilingually in English and Afrikaans. See our Calendar, Part 6, where we specify the language of instruction per module.

**Selection:** Applicants who meet the minimum requirements of the BEd programme are selected according to the Faculty's selection guidelines (see [www.maties.com](http://www.maties.com) under "Admissions").

Programmes	Minimum admission requirements	Career opportunities
<b>BEd (General Education)</b> 4 years  This programme has been revised and submitted to the Department of Education for approval with the view to offering it in 2017. Keep an eye on <a href="http://www.maties.com">www.maties.com</a> under "What can I study?" and "Education" for information on our new programme.	<ul style="list-style-type: none"> <li>• Write the NBT AQL</li> <li>• An NSC or IEB aggregate of at least 55% (excluding Life Orientation)</li> <li>• Mathematics 40% OR Mathematical Literacy 60%</li> </ul> <p>AND</p>	Depending on your specialisation, professional teacher for Grades R to 3 or for Grades 4 to 7.

Programmes	Minimum admission requirements	Career opportunities
<p>Specialisations:            - Foundation Phase (Grades R to 3)            - Intermediate Phase (Grades 4 to 7)</p> <p>We recommend that you take some of the following subjects at school: Accounting, Business Studies, Computer Application Technology, Economics, Geography, History, Information Technology, Life Sciences, Mathematics, Physical Sciences, and Religion Studies.</p>	<p><i>Learners who were taught in English:</i></p> <ul style="list-style-type: none"> <li>English (Home Language or First Additional Language) 60%</li> <li>Afrikaans OR isiXhosa (Home Language or First Additional Language) 50%</li> </ul> <p>OR</p> <p><i>Learners who were taught in Afrikaans:</i></p> <ul style="list-style-type: none"> <li>Afrikaans (Home Language or First Additional Language) 60%</li> <li>English OR isiXhosa (Home Language or First Additional Language) 50%</li> </ul>	<p>With further training you can become a remedial teacher (BEdHons and MED in Educational Support) or an educational psychologist (MED (Psych)). Or you can specialise in Curriculum Development, School Management or Education Policy (MED).</p>
<p><b>Postgraduate Certificate in Education (PGCE)</b>            1 year</p> <p>Specialisation:            - Further Education and Training phase (FET)</p>	<ul style="list-style-type: none"> <li>A degree from one of the other faculties with one or two school subjects.</li> </ul> <p>On <a href="http://www.maties.com">www.maties.com</a>, see Calendar Part 6 for the requirements of the various curriculum studies specialisations.</p>	<p>Professional teacher in two subjects (or in one subject with additional study in this subject).</p>

## FACULTY OF ENGINEERING

The BEng programmes have been accredited by the Engineering Council of South Africa (ECSA) for registration of graduates as Professional Engineers after acquiring the relevant experience in practice.

### Language of instruction

All undergraduate modules, except for some elective modules, are presented in English and Afrikaans (parallel sessions or simultaneous interpreting). All test and exam papers and assignments are set in both English and Afrikaans, and students are free to write any paper or assignment in either English or Afrikaans.

### Minimum admission requirements for the four-year programme

- Write the NBTs AQL and MAT
- An NSC aggregate of at least 70%
- Mathematics 70%
- Physical Sciences 60%
- English Home Language 40% OR  
English First Additional Language 60% OR  
English First Additional Language 50% TOGETHER WITH either Afrikaans Home Language 40% or Afrikaans First Additional Language 60%
- Over and above the aforementioned, applicants are also subject to selection according to selection criteria.

### Selection criteria for the four-year programme

According to the Faculty's selection guidelines (see [www.maties.com](http://www.maties.com)), your selection mark is calculated by using the score (out of 100) of your Grade 11 subjects (for conditional selection) or Grade 12 subjects (for final selection) as follows:

**Mathematics percentage + Physical Sciences percentage + (6 x Matric average)**

The Matric average is calculated from the 6 best Matric subjects' percentages (excluding Life Orientation). The maximum score is 800. Note that Mathematics and Physical Sciences normally also contribute to the average.

Over the last few years a selection mark of 600 or more gave students a good chance on admission to certain programmes, but in others 630 or more were required. In other words, to have a reasonable chance of selection for some programmes, your mark for Mathematics, as well as your NSC average, should be above 76, and Physical Sciences above 65, while for other programmes Mathematics and average marks of at least 80, together with a Physical Science mark of at least 70, will be needed.

### Extended degree programme (EDP)

A limited number of applicants who do not meet the minimum requirements or selection criteria for the four-year programme will be considered for the extended degree programme. The EDP requires one extra year of study.

Programmes	Career opportunities
<b>BEng (Chemical)</b> 4 years EDP 5 years	Chemical and mineral processing engineers are involved in the production of chemicals and other consumable goods, and the extraction of minerals on an industrial scale. They work in industries such as the chemical industry, mines and metallurgical plants, manufacturing plants, the food industry, pharmaceutical, biotechnological and research institutions.
<b>BEng (Civil)</b> 4 years EDP 5 years	Civil engineers are involved in the design, construction and maintenance of economic, residential and social infrastructure, e.g. bridges, dams, harbours, and coal, hydro-electrical, solar, and wind turbine power generating facilities, airports, mines, roads, railway lines, residential and office buildings, hospitals and schools.
<b>BEng (Electrical and Electronic)</b> 4 years EDP 5 years	Electrical and electronic engineers are concerned with electrical energy applications in operations such as electricity supply, factories, chemical plants, mines, municipalities, railways and harbours. They also work where electronic information systems such as computers, microcomputers and computer networks, telephones, cell phone networks, television, satellite, radar and automatic flight systems are used and developed.
<b>BEng (Industrial)</b> 4 years EDP 5 years	Industrial engineers design, implement, operate, improve and manage technological systems to make enterprises more competitive. These systems usually consist of people, equipment, information, capital, processes and procedures. Industrial engineers improve the quality, productivity and cost efficiency of these elements through optimisation.
<b>BEng (Mechanical)</b> 4 years EDP 5 years	Mechanical engineers design, develop and manufacture machines, structures, plants and products for large enterprises as well as smaller consultancy partnerships. Mechanical engineers play key roles in the development, management and maintenance of systems such as power stations, aircraft, vehicles, process plants and manufacturing plants.
<b>BEng (Mechatronic)</b> 4 years EDP 5 years	Mechatronic engineers design machines by integrating computer, electronic and mechanical components, for example by combining machine parts, sensors and actuators that are controlled by computer systems. Examples are medical devices, artificial hearts, automated assembly lines and engine controllers.

# FACULTY OF LAW

**Language of instruction:** Classes are taught mainly bilingually in English and Afrikaans. See our Calendar, Part 8, where we specify the language of instruction per module.

**Selection:** Applicants who meet the minimum requirements of a programme are selected according to the Faculty's selection guidelines (see [www.maties.com](http://www.maties.com) under "Admissions").

Programmes	Minimum admission requirements	Career opportunities
<p><b>LLB (four-year)</b> 4 years</p> <p>If a university subject from another faculty is taken, make sure that you meet its requirements.</p>	<ul style="list-style-type: none"> <li>Write the NBT AQL before the end of June</li> <li>An NSC aggregate of at least 60% in six subjects (excluding Life Orientation)</li> <li>English or Afrikaans Home Language 60% OR English or Afrikaans First Additional Language 70%</li> </ul> <p><i>If Economics is taken as a university subject, then also:</i></p> <ul style="list-style-type: none"> <li>Mathematics 60%</li> </ul>	<p>Graduates can practise law as an attorney or advocate, or act as a legal advisor, after completing the prescribed practical training and passing the entrance examination set by the profession.</p>
<p><b>LLB (three-year)</b> 3 years</p> <p>Postgraduate as a second bachelor's degree</p>	<ul style="list-style-type: none"> <li>Any bachelor's degree from a South African university with an aggregate of at least 60% in the final year</li> </ul>	<p>Career in law, for example advocate, lawyer or legal adviser, after completing the prescribed practical training and passing the entrance examination set by the profession.</p>
<p><b>BA (Law)</b> 3 years</p> <p>If a university subject from another faculty is taken, make sure that you meet its requirements.</p>	<ul style="list-style-type: none"> <li>Write the NBT AQL before the end of June</li> <li>An NSC aggregate of at least 60% (excluding Life Orientation)</li> <li>English OR Afrikaans Home Language 60%</li> <li>First Additional Language 40%</li> </ul> <p><i>If Economics is taken as a university subject, then also:</i></p> <ul style="list-style-type: none"> <li>Mathematics 60%</li> </ul>	<p>Equips you to practise as an attorney or advocate after a further two years of LLB (postgraduate) study, completion of your articles or pupillage as well as the required practical training and entrance examinations, or alternatively to act as a legal adviser.</p>
<p><b>BCom (Law)</b> 3 years</p> <p><i>Interfaculty programme:</i> You take modules from the Faculty of Law and the Faculty of Economic and Management Sciences.</p>	<ul style="list-style-type: none"> <li>Write the NBTs AQL and MAT before the end of June</li> <li>An NSC aggregate of at least 60% (excluding Life Orientation)</li> <li>English or Afrikaans Home Language 60% OR Afrikaans OR English First Additional Language 70%</li> <li>Mathematics 60%</li> </ul>	<p>Provides the necessary background for a career in the business world and in commercial law. Equips you to practise as an attorney or advocate after a further two years of LLB study and completing your articles or pupilship.</p>
<p><b>BAccLLB</b> 5 years</p> <p><i>Interfaculty programme:</i> You take modules from the Faculty of Law and the Faculty of Economic and Management Sciences.</p>	<ul style="list-style-type: none"> <li>Write the NBTs AQL and MAT before the end of June</li> <li>An NSC aggregate of at least 70% (excluding Life Orientation)</li> <li>English or Afrikaans Home Language 60% OR English or Afrikaans First Additional Language 70%</li> <li>Mathematics 70% OR Mathematics 60% and Accounting 70%</li> </ul>	<p>The BAccLLB degree is a unique degree, combining two degrees. The LLB enables you to serve articles of clerkship or pupilship with an attorney or advocate, respectively. The BAcc gives you access to Honours in Accounting, which, among others, is required for becoming a chartered accountant.</p>

# FACULTY OF MEDICINE AND HEALTH SCIENCES

**Medium of instruction:** Bilingual in Afrikaans and English. See page 2.

**Selection:** In the first place, applicants should meet the requirements of the programme they apply for. Applicants are selected for these programmes on their academic school performance (45% of the selection mark), performance in the NBTs (30% of the selection mark) and on non-academic achievements at high school (Grade 10–12) in fields such as leadership, sport, cultural activities, community service and multilingualism (25% of the selection mark). See the Faculty's selection guidelines on [www.maties.com](http://www.maties.com) under "Admissions" and download the required forms for each programme at "What can I study?" and "Medicine and Health Sciences". Applications for MB,ChB close on **31 May** and for our other programmes on **30 June**.

Programmes	Minimum admission requirements	Career opportunities
<p><b>MB,ChB</b> 6 years</p> <p>±250 candidates are selected (excluding those for extended degree programme). Complete the <i>Non-academic Merit Form</i> and submit it along with your application by 31 May. Also offered as an extended degree programme (see page 4).</p>	<ul style="list-style-type: none"> <li>• Write the NBTs AQL and MAT by end of June</li> <li>• An NSC aggregate of at least 70%</li> <li>• Mathematics 50%</li> <li>• Physical Sciences 50%</li> <li>• Life Sciences 50%</li> <li>• Strong recommendation: Afrikaans and English as school subjects</li> </ul>	<p>After two years of internship and a year of community service on completing the programme, you will be eligible for registration as an Independent Medical Practitioner with the Health Professions Council of SA.</p>
<p><b>BSc in Dietetics</b> 4 years</p> <p>±35 candidates are selected. Complete the <i>Non-academic Merit Form</i> and submit it along with your application by 30 June. Submit the <i>Clinical Visitation Form for Dietetics</i> by 31 July.</p>	<ul style="list-style-type: none"> <li>• Write the NBTs AQL and MAT by end of June</li> <li>• An NSC aggregate of at least 50%</li> <li>• Mathematics 50%</li> <li>• Physical Sciences 50%</li> <li>• Life Sciences 50%</li> <li>• Strong recommendation: Afrikaans as a school subject</li> </ul>	<p>After a year of community service, you will be eligible for registration as a Dietitian with the Health Professions Council of SA.</p>
<p><b>Bachelor of Occupational Therapy</b> 4 years</p> <p>±50 candidates are selected. Complete the <i>Non-academic Merit Form</i> and submit it along with your application by 30 June.</p>	<ul style="list-style-type: none"> <li>• Write the NBTs AQL and MAT by end of June</li> <li>• An NSC aggregate of at least 50%</li> <li>• Mathematics 40%</li> <li>• Life Sciences 50%</li> <li>• Strong recommendation: Afrikaans and Physical Sciences as school subjects</li> </ul>	<p>After a year of community service, you will be eligible for registration as an Occupational Therapist with the Health Professions Council of SA.</p>
<p><b>BSc in Physiotherapy</b> 4 years</p> <p>±55 candidates are selected. Complete the <i>Non-academic Merit Form</i> and submit it along with your application by 30 June. Also offered as an extended degree programme (see page 4).</p>	<ul style="list-style-type: none"> <li>• Write the NBTs AQL and MAT by end of June</li> <li>• An NSC aggregate of at least 60%</li> <li>• Mathematics 50%</li> <li>• Physical Sciences 50%</li> <li>• Life Sciences 50%</li> <li>• Strong recommendation: Afrikaans as a school subject</li> </ul>	<p>After a year of community service, you will be eligible for registration as a Physiotherapist with the Health Professions Council of SA.</p>
<p><b>Bachelor of Speech-Language and Hearing Therapy</b> 4 years</p> <p>±30 candidates are selected. Complete the <i>Non-academic Merit Form</i> and submit it along with your application by 30 June. Submit the <i>Clinical Visitation Form for Speech-Language Therapy</i> by 31 July.</p>	<ul style="list-style-type: none"> <li>• Write the NBT AQL by end of June</li> <li>• An NSC aggregate of at least 60%</li> <li>• At least TWO of the following THREE languages (Home Language or First Additional Language) 60%: English AND/OR Afrikaans AND/OR a third language</li> <li>• Physical Sciences OR Life Sciences 50%</li> </ul>	<p>After a year of community service, you will be eligible for registration as a Speech-Language Therapist with the Health Professions Council of SA.</p>

## FACULTY OF MILITARY SCIENCE

These programmes are presented for *selected officers of the South African National Defence Force (SANDF) and other defence forces* and are focused on national security and defence issues. Each candidate selects a programme in line with the career development plan that has been drawn up for him/her individually. A recommendation from the Military Academy Selection Board that takes into account the requirements set by the University and the SANDF is required for all these programmes.

**Language of instruction:** English.

Programmes	Minimum admission requirements
<b>BMil in Human and Organisation Development</b> 3 years	<ul style="list-style-type: none"> <li>• A National Senior Certificate (NSC) with at least 50% in each of four school subjects from the list of subjects designated for university admission (see page 1)</li> <li>• English OR Afrikaans 50%</li> </ul>
<b>BMil in Organisation and Resource Management</b> 3 years	<ul style="list-style-type: none"> <li>• A National Senior Certificate (NSC) with at least 50% in each of four school subjects from the list of subjects designated for university admission (see page 1)</li> <li>• English OR Afrikaans 50%</li> <li>• Mathematics 40% OR Mathematical Literacy 60%</li> </ul>
<b>BMil in Security and Africa Studies</b> 3 years	<ul style="list-style-type: none"> <li>• A National Senior Certificate (NSC) with at least 50% in each of four school subjects from the list of subjects designated for university admission (see page 1)</li> <li>• English OR Afrikaans 50%</li> </ul> <p><i>If Economics is taken as a university subject:</i></p> <ul style="list-style-type: none"> <li>• Mathematics 40% OR Mathematical Literacy 60%</li> </ul>
<b>BMil in Technology</b> 3 years	<ul style="list-style-type: none"> <li>• A National Senior Certificate (NSC) with at least 50% in each of four school subjects from the list of subjects designated for university admission (see page 1)</li> <li>• English OR Afrikaans 50%</li> <li>• Mathematics 50%</li> <li>• Physical Sciences 50%</li> </ul>
<b>BMil in Technology and Defence Management</b> 3 years	<ul style="list-style-type: none"> <li>• A National Senior Certificate (NSC) with at least 50% in four school subjects from the list of subjects designated for university admission (see page 1)</li> <li>• English OR Afrikaans 50%</li> <li>• Mathematics 40%</li> <li>• Physical Sciences 40%</li> </ul>



# FACULTY OF SCIENCE

Students are encouraged to follow a three-year BSc degree up with an Honours degree. This will enable you to gain recognition (and registration where relevant) as a professional scientist.

## Selection

- Applicants for our study programmes are subject to a selection process (selection policy on [www.maties.com](http://www.maties.com) under "Admission"), based on the prescribed minimum requirements and the number of students that can be accommodated per programme.
- The minimum requirements for selection are a selection mark of 65% and programme-specific requirements for Mathematics and Physical Sciences.
- Your final Grade 11 marks will determine whether you will be conditionally selected. (Conditional selection means that you are selected on condition that your final results in the NSC or equivalent school leaving examination meet the above requirements. Only then you finally qualify for admission.) If you apply after you have passed Grade 12, however, we shall use your NSC or equivalent school leaving examination marks to calculate your selection mark and you may gain final admittance.

**Selection mark:** (best language mark + (Mathematics x 2) + subject 1 + subject 2 + subject 3 + subject 4) + 7 (excluding Life Orientation)

- If the subject Physical Sciences is one of your chosen programme's requirements, then it should be included in the formula.
- See "Extended degree programmes" further on.

## Note on admission requirement for Mathematics

The Mathematics requirement for a programme depends on your choice of subjects (curriculum) at university:

*If you take Mathematics and Physics as university subjects:* • Mathematics 70%

*If you take Mathematics (Bio) and Physics (Bio) as university subjects:* • Mathematics 60%

## PROGRAMMES IN THE BIOLOGICAL SCIENCES

Programmes	Minimum admission requirements	Career opportunities
<b>BSc in Biodiversity and Ecology</b> 3 years	<ul style="list-style-type: none"> <li>• Write the NBTs AQL and MAT</li> <li>• English OR Afrikaans (Home Language or First Additional Language) 50%</li> <li>• Physical Sciences 50%</li> <li>• Mathematics 60%</li> </ul>	Biologist, ecologist, environmental consultant, life sciences teacher*, researcher, environmental impact expert, plant specialist, conservation scientist, environmental educator.
<b>BSc in Human Life Sciences</b> 3 years  Streams: - Biology - Biology with Psychology	<ul style="list-style-type: none"> <li>• Write the NBTs AQL and MAT</li> <li>• English OR Afrikaans (Home Language or First Additional Language) 50%</li> <li>• Physical Sciences 50%</li> </ul> <p>AND</p> <p><i>For the Biology stream:</i></p> <ul style="list-style-type: none"> <li>• Mathematics 60% OR 70% (see note above)</li> </ul> <p>OR</p> <p><i>For the Biology with Psychology stream:</i></p> <ul style="list-style-type: none"> <li>• Mathematics 60%</li> </ul>	Physiologist, biochemist, geneticist or psychologist (with the necessary postgraduate qualification), medical representative, laboratory analyst, life sciences or life orientation teacher, stem cell researcher, anthropometrist.
<b>BSc in Molecular Biology and Biotechnology</b> 3 years	<ul style="list-style-type: none"> <li>• Write the NBTs AQL and MAT</li> <li>• English OR Afrikaans (Home Language or First Additional Language) 50%</li> <li>• Physical Sciences 50%</li> <li>• Mathematics 60% OR 70% (depending on your choice of subjects – see note on page 21)</li> </ul>	Forensic expert, life sciences teacher*, biofuel developer, water expert, geneticist. Microbiologists, biochemists, and biotechnologists work on human, plant and animal cells, yeasts, bacteria, fungi and viruses to develop disease-free plants, new medicines, or enzymes useful in industry or mining.

<p><b>BSc in Sport Science</b> 3 years</p> <p>Also complete the medical and physical fitness selection forms available on <a href="http://www.maties.com">www.maties.com</a> under "What can I study?" and "Science", or at <a href="mailto:cariejvr@sun.ac.za">cariejvr@sun.ac.za</a> or 021 808 4723.</p>	<ul style="list-style-type: none"> <li>• Write the NBTs AQL and MAT</li> <li>• English OR Afrikaans (Home Language or First Additional Language) 50%</li> <li>• Physical Sciences 50%</li> <li>• Mathematics 60%</li> </ul>	<p>Sport coach, sport manager, sport scientist, sport physiologist, work with persons with disabilities, fitness instructor, biokineticist (with the necessary postgraduate qualification) and sport or life orientation teacher*.</p>
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\*Depending on your choice of subjects, and with a PGCE (page 16), you could be a high school teacher of Life Sciences, Natural Sciences, Mathematical Literacy or Life Orientation.

## PROGRAMME IN THE MATHEMATICAL SCIENCES

Programme	Minimum admission requirements	Career opportunities
<p><b>BSc in Mathematical Sciences</b> 3 years</p> <p>Streams: - Abstract Mathematics - Applied Mathematics - Biomathematics Option 1: with Molecular Biology Option 2: with Ecology - Computer Science - Financial Mathematics - Mathematics - Mathematical Statistics - Operations Research</p>	<ul style="list-style-type: none"> <li>• Write the NBTs AQL and MAT</li> <li>• English OR Afrikaans (Home Language or First Additional Language) 50%</li> <li>• Mathematics 70%</li> </ul> <p>AND</p> <p><i>If you want to take Chemistry or Physics as a university subject:</i></p> <ul style="list-style-type: none"> <li>• Physical Sciences 50%</li> </ul> <p>OR</p> <p><i>For the Biomathematics stream:</i></p> <ul style="list-style-type: none"> <li>• Physical Sciences 50%</li> </ul>	<p>Each stream prepares you for a different line of work. Depending on your choice of subjects, and with a PGCE (page 16), you could be a high school teacher of Mathematics, Mathematical Literacy, Information Technology, Physical Sciences or Life Sciences.</p> <p><b>Abstract Mathematics:</b> Lecturer, researcher in interdisciplinary scientific fields which rely more on structural mathematics rather than analytical mathematics.</p> <p><b>Applied Mathematics:</b> Consultant in the engineering industry, programmer, expert in the modelling of dynamic processes, image processing, numerical methods and flow modelling in banking or the engineering or computer industry.</p> <p><b>Bio-mathematics:</b> Career in the pharmaceutical industry, the government, health organisations, the agricultural and environmental sectors or as a researcher at an academic institution in the fields of molecular and systems biology, bioinformatics and ecology.</p> <p><b>Computer Science:</b> Programmer, systems designer, software developer in the security and banking industries, network specialist, designer of mobile applications for smartphones and tablets, 3D animator for the film industry, information technology teacher.</p> <p><b>Financial Mathematics:</b> Career opportunities in banking, insurance and with investment institutions.</p> <p><b>Mathematical Statistics:</b> Analyse and interpret data for banking and insurance industries, statistician, academic.</p> <p><b>Mathematics:</b> Careers requiring sophisticated quantitative skills, such as in the banking, investment and insurance sectors, mathematics teacher.</p> <p><b>Operations Research:</b> Consultant for a consultancy firm or industry, process or system optimiser, logistics expert in the transportation and provisioning sectors, project developer, planner, researcher, business analyst, also application possibilities in company farming, mining, forestry, the manufacturing sector, product marketing.</p>

## PROGRAMMES IN THE PHYSICAL SCIENCES

Programmes	Minimum admission requirements	Career opportunities
<p><b>BSc in Chemistry</b> 3 years</p> <p>Streams: - Chemistry and Polymer Science - Chemical Biology - Textile and Polymer Science</p>	<ul style="list-style-type: none"> <li>• Write the NBTs AQL and MAT</li> <li>• English OR Afrikaans (Home Language or First Additional Language) 50%</li> <li>• Mathematics 70%</li> <li>• Physical Sciences 50%</li> </ul>	<p><b>Polymer chemist, materials expert:</b> Careers in the packaging, paint, adhesives and textile industries, as well as in the manufacturing sector or with suppliers of raw materials.</p> <p><b>Analytical chemist:</b> Careers concerned with the planning and operation of chemical plants, the development of analytical methods and production processes, marketing of chemicals and scientific instruments, physical science teacher, environmental scientist.</p> <p><b>Organic and biochemist:</b> Forensic analyst, manufacturer of pesticides, pharmaceutical products, cosmetic and fragrance products, chemist working in process and quality control of raw materials and manufactured products.</p> <p><b>Careers in textile industry:</b> Product developer (hi-tech products, prostheses, sportswear, sports equipment, protective clothing), textile scientist (medical textiles, industrial textiles, microfibres, nanofibres), technical sales manager, production manager, quality manager, buyer, researcher.</p>
<p><b>BSc in Earth Science</b> 3 years</p>	<ul style="list-style-type: none"> <li>• Write the NBTs AQL and MAT</li> <li>• English OR Afrikaans (Home Language or First Additional Language) 50%</li> <li>• Mathematics 60% OR 70% (see note on page 21)</li> <li>• Physical Sciences 50%</li> </ul>	<p>Geologist, mining geologist, environmental rehabilitation engineer, Physical Science or Geography teacher*, exploration consultant, environmental geochemist, hydrologist, seismologist, rock expert, marine geologist, applied mineralogist, volcanologist, geophysicist.</p>
<p><b>BSc in Geoinformatics</b> 3 years</p>	<ul style="list-style-type: none"> <li>• Write the NBTs AQL and MAT</li> <li>• English OR Afrikaans (Home Language or First Additional Language) 50%</li> <li>• Mathematics 60% OR 70% (depending on your choice of subjects – see note on page 21)</li> <li>• Physical Sciences 50%</li> </ul>	<p>Geography teacher* GIS (Geographic Information Systems) and earth observation (remote sensing) specialists working for environmental consultancy groups, planning and engineering firms, programme development and computer consultancy groups on all levels of government involved in resource and infrastructure management, agencies concerned with natural and human resource development programmes, mineral exploration and mining. A BScHons year added complies with the requirements for professional registration as a Geographical Information Science (GISc) practitioner.</p>
<p><b>BSc in Physics</b> 3 years</p> <p>Streams: - Laser Physics (Physical), Nuclear Physics, Radiation and Health Physics - Laser Physics (Biological) - Theoretical Physics</p>	<ul style="list-style-type: none"> <li>• Write the NBTs AQL and MAT</li> <li>• English OR Afrikaans (Home Language or First Additional Language) 50%</li> <li>• Mathematics 70%</li> <li>• Physical Sciences 50%</li> </ul>	<p><b>Nuclear physicist:</b> Research opportunities at the iThemba Laboratory for Accelerator-based Sciences (iThemba LABS) and industries such as Eskom, the CSIR, Sasol, the SABS.</p> <p><b>Laser physicist:</b> A career in industries such as optical systems, communication (optical fibres), medicine, ecology (pollution monitoring), criminology (forensic science), defence (control and communication).</p> <p><b>Radiation physicist:</b> Monitoring of radiation risks for the Department of Health, nuclear power stations and mines.</p> <p><b>Theoretical physicist:</b> Work in the broad fields of information technology, geology, biological and economic sciences.</p>

\*Depending on your choice of subjects, and with a PGCE (page 16), you could be a high school teacher of Physical Sciences, Natural Sciences, Mathematics, Mathematical Literacy, Information Technology or Geography.

## EXTENDED DEGREE PROGRAMMES

<p>All the BSc programmes above are also available as extended degree programmes, involving one extra year of study. See "Academic support..." page 4 or contact Wilma Wagener at ww@sun.ac.za or 021 808 3063.</p>	<ul style="list-style-type: none"> <li>• Admission requirements as for each BSc programme</li> <li>• If you have already been accepted conditionally for a BSc programme, <b>but</b> your final matric results <b>fail to meet only one</b> of the programme's minimum requirements, you may make a request (by telephone or e-mail) to be considered for admission to the extended degree programme</li> <li>• A limited number of places are available; preference is given to socio-economically disadvantaged candidates</li> </ul>	<p><i>Career opportunities as described above for each programme.</i></p>
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## FACULTY OF THEOLOGY

**Medium of instruction:** Bilingual in Afrikaans and English in the same contact period taking into account the students' language proficiency.

Programmes	Minimum admission requirements	Career opportunities
<p><b>BTh (Bachelor of Theology)</b> 3 years</p>	<ul style="list-style-type: none"> <li>• Write the NBT AQL</li> <li>• An NSC aggregate of at least 60% (excluding Life Orientation)</li> <li>• Four school subjects designated for university admission 50% (see page 1)</li> </ul>	<p>Become a youth worker, counsellor or community worker.</p>
<p><b>BDiv (Bachelor of Divinity)</b> 4 years</p>	<ul style="list-style-type: none"> <li>• Write the NBT AQL</li> <li>• An aggregate of at least 60% for the NSC (excluding Life Orientation)</li> <li>• Four school subjects designated for university admission 50% (see page 1)</li> </ul>	<p>To become a minister in the Dutch Reformed Church or United Reformed Church complete the BDiv and the MDiv. Dutch Reformed Church candidates also need to obtain the Postgraduate Diploma in Theology (Christian Ministry). Presbyterian and Anglican ministry candidates are trained further by the denomination.</p>
<p><b>Extended Degree Programmes</b> +1 year</p> <p>Candidates for the BTh and the BDiv may come into consideration for the extended programme, which entails that the modules of the first year are spread over two years.</p>	<ul style="list-style-type: none"> <li>• An NSC aggregate of at least 55% but below 60% (excluding Life Orientation)</li> <li>• An interview with the Dean or a representative</li> </ul>	<p><i>As for the above programmes respectively.</i></p>

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Economics (economics and management consultants) BCom	12
Economics (financial sector) BCom	12
Education:	
Foundation phase (grade R to 3) BEd	16
Further Education and Training phase PGCE	16
Intermediate phase (Grade 4 to 6 and 7) BEd	16
Electrical engineering BEng	17
Electronic engineering BEng	17
Entomology BSc	6
Entrepreneurship and innovation BCom	12
Environment BA	8
Extension, agricultural BAgri	5

### F

Financial accounting BCom	14
Financial management BCom	12
Financial mathematics BSc	22
Financial planning BCom	15
Financial risk management BCom	13
Fine arts BA	11
Food-processing management BScAgric	5
Food science BSc	6
Forestry and natural resource sciences BScFor	6
BScFor	6
Forestry BScFor	6

### G

Geo-informatics BSc	23
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<b>H</b>		
Hearing therapy B	19	
Human and organisation development BMil	20	
Human life sciences BSc	21	
Human resource management BA	8	
BCom	12	
Humanities BA	7	
<b>I</b>		
Industrial engineering BEng	17	
Industrial psychology BCom	15	
Information systems management BCom	12	
Innovation BCom	12	
International Business BCom	14	
International studies BA	9	
Investment management BCom	15	
<b>J–L</b>		
Jewellery design and metal design BA	11	
Language and culture BA	8	
Laser physics BSc	23	
Law BA, BCom, LLB, BAccLLB	18	
Logistics management BCom	12	
<b>M</b>		
Management accounting BCom	14	
Management sciences BCom	12	
Marketing management BCom	12	
Mathematical sciences BCom	13	
BSc	22	
Mathematical statistics BCom	13	
BSc	22	
Mathematics BSc	22	
Mechanical engineering BEng	17	
Mechatronic engineering BEng	17	
Medicine MB,ChB	19	
Molecular biology BSc	22	
Molecular biology and biotechnology BSc	22	
Music BA	9	
BMus	9	
Advanced Diploma	10	
Diploma	9	
Higher Certificate	10	
Music education BMus	9	
Music science BMus	9	
Music technology BMus	9	
<b>N–O</b>		
Nuclear physics BSc	23	
Occupational therapy B	19	
Oenology BAgric	5	
BScAgric	7	
Operations research BCom	13	
BSc	22	
Organisation and resource management BMil	20	
Organisation Development BMil	20	
<b>P</b>		
Performing arts BMus	9	
Physics BSc	23	
Physiotherapy BSc	19	
Plant and soil sciences BScAgric	6	
Political, philosophical and economic studies (PPE) BA	10	
Polymer science BSc	23	
Pomology BAgric	5	
Practical Music Advanced Diploma	10	
Practical Music Diploma	9	
Psychology as major:		
Humanities BA	7	
Social Work B	10	
Human Life Sciences BSc	21	
Human Resource Management BA	8	
Music BA	9	
Law BA	18	
Social Dynamics BA	8	
Sport Science BA	10	
Public and development management BCom	12	
<b>Q–S</b>		
Quantitative management BCom	12	
Radiation and health physics BSc	23	
Resource Management BMil	20	
Security and Africa studies BMil	20	
Social dynamics BA	8	
Social work B	10	
Socio-Informatics BA	10	
Soil and water management BScAgric	6	
Soil sciences BScAgric	6	
Speech-language and hearing therapy B	19	
Sport science BA	10	
BSc	22	
<b>T</b>		
Technical and management training BA	8	
Technology BMil 20		
Technology and defence management BMil	20	
Textile and polymer science BSc	23	
Theatre studies BA	8	
Theology BTh, BDiv	24	
Theoretical physics BSc	23	
Transport economics BCom	12	
<b>V–W</b>		
Vegetable production BAgric	5	
Visual Arts BA 11		
Visual communication design BA	11	
Viticulture and oenology BAgric	5	
BScAgric	7	
Water management BScAgric	6	
Wood and wood products sciences BScFor	6	





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FOR PROSPECTIVE UNDERGRADUATE STUDENTS

To receive valuable relevant information, please fill out the form.

\*Name \_\_\_\_\_

\*Surname \_\_\_\_\_

\*Date of birth \_\_\_\_\_

Postal address \_\_\_\_\_

Postal Code \_\_\_\_\_

\*Cellphone \_\_\_\_\_

\*E-mail \_\_\_\_\_

Gender  Male  Female

Language  Afrikaans  English

Ethnicity  Coloured  Indian  Black  White

\*School \_\_\_\_\_

Grade  9  10  11  12

Subjects  Mathematics  Physical Sciences

End of year average  Under 50%  51-60%  61-70%  71-80%  80%+

\*What are you interested in studying?

AgriSciences  Arts and Social Sciences  Economic and Management Sciences

Education  Engineering  Law

Science  Theology  Medicine and Health Sciences

**Return the completed form to**

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