



Nelson Mandela  
Metropolitan  
University

*for tomorrow*

Port Elizabeth & George



# UNDERGRADUATE PROGRAMMES 2014

General information

## Vision

To be a dynamic African university, recognised for its leadership in generating cutting-edge knowledge for a sustainable future.

## Mission

To offer a diverse range of quality educational opportunities that will make a critical and constructive contribution to regional, national and global sustainability.

## Values



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**Disclaimer:** All reasonable steps have been taken to ensure that the information contained in this guide was accurate at the date of publication. NMMU reserves the right to make changes to the programme details (eg rules, admission requirements) as published in this guide. Prospective students are advised to consult the admissions office prior to applying.



“ *NMMU is a cutting-edge university where scholarship, creativity and innovation are considered as important driving forces of whatever we do.* ”

## Welcome note

Your decision to consider a university education and indeed, enrolling at NMMU may well be one of the most significant decisions of your career.

As you will see, NMMU is a cutting-edge university where scholarship, creativity and innovation are considered as important driving forces of whatever we do. We pride ourselves in aspiring to produce high quality education, combining technical rigour with social compassion, to prepare our students for a rapidly changing world. We search for knowledge with the potential to radically improve the quality of human life and contribute towards a sustainable planet.

NMMU offers the widest range of academic and professional programmes – from diploma-level through to doctorates – in the Eastern Cape, and is exceptionally well positioned to expose you to the best technology and social learning assets. We offer students modern facilities, well-resourced libraries, excellent teaching and development support, and well qualified academics to stimulate creative and critical thinking.

You will also discover that the university is microcosm of South Africa and indeed the wider world – a place where we bring together and celebrate diversity, both socially and intellectually. You will hopefully meet students and staff from other parts of Africa, Asia, North America and Europe. We see this diversity as a source of strength to prepare our students for tomorrow’s world.

We soon hope to welcome you as part of the NMMU family.

A handwritten signature in black ink, appearing to read 'D. Swartz', with a long horizontal line extending to the left.

Prof Derrick Swartz  
**NMMU Vice-Chancellor**



# About NMMU

**Nelson Mandela Metropolitan University (NMMU) is a happening institution at the forefront of education and training in the Eastern and Southern Cape.**

NMMU, formed from a merger of the University of Port Elizabeth, the PE Technikon and the Port Elizabeth campus of Vista University, offers students the best of both theory and practice from entry certificate level right through to doctoral research.

The university has already established itself as a leader in fields such as automotive engineering, ecology, marine studies, community health, the built environment, art and design, accounting and auditing, education and IT, but offers students an even wider choice of stimulating and market-orientated courses, opening up a variety of career opportunities.

NMMU believes the success of its career-focused programmes lies in the hands-on involvement of industry and business experts. Many programmes include workplace experience as part of the curriculum, giving students the advantage of being able to walk straight into the real world of work.

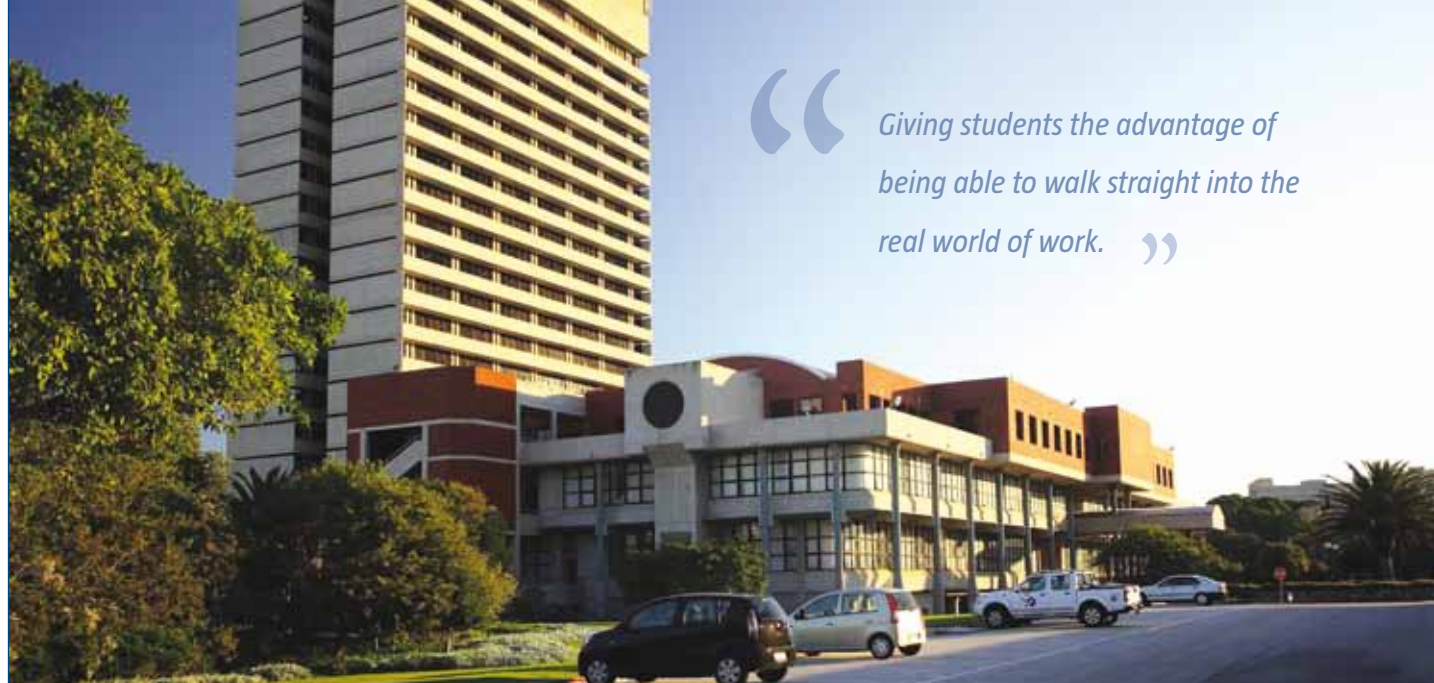
We provide a supportive, student-centred learning environment and are committed to ensuring that higher education is accessible to all students who have the potential to succeed. NMMU offers extended curriculum programmes, as well as a range of academic support services to assist students.

Comprehensive financial aid packages for financially needy and academically deserving students are also available. With its spectacular natural surroundings – from beaches and mountains to game reserves and indigenous forest – Nelson Mandela Bay and George are ideal places to spend your student years, offering all the advantages of city living in a friendly and safe environment.

## **Academic programmes are offered in seven faculties:**

- ▶ Arts
- ▶ Business & Economic Sciences
- ▶ Education
- ▶ Engineering, the Built Environment & Information Technology
- ▶ Health Sciences
- ▶ Law
- ▶ Science

NMMU's programmes are recognised and accredited by the relevant professional bodies, locally and, in some cases, internationally.



*Giving students the advantage of being able to walk straight into the real world of work. ”*

## Locally connected

### **We're connected ... to Nelson Mandela Bay**

Great cities and great universities go hand in hand. In our case, it's Port Elizabeth – now also known as Nelson Mandela Bay as it incorporates the towns of Uitenhage and Despatch into the larger metropole – and Nelson Mandela Metropolitan University (NMMU). The two enjoy a mutually-beneficial relationship, feeding and nurturing one another in a large number of connections through solid partnerships particularly within the motor, pharmaceutical and tourism industries. As a result, our students are exposed to and get hands-on experience long before they complete their formal tuition.

### **We're connected ... to the Eastern & Southern Cape**

The Eastern Cape, the country's second largest province (nearly 14 per cent of South Africa's landmass), is home to seven of the eight biomes (plant kingdoms). Furthermore, a significant proportion of the country's automotive and ancillary industries are located in the region. In the Southern Cape, the beautiful Garden Route area is an ideal base for students and / or internships because of the challenges of protecting the environment while responding to unprecedented development.

### **We're connected ... to South Africa**

NMMU is committed to its country and as such, endeavours to meet the needs of South Africa by responding to them in terms of developing skills and encouraging research that is problem-solving and user-inspired.

### **We're connected ... to Africa**

We are the most diverse university in South Africa since students come to us from across 34 African countries to obtain a first-class education. We're committed, as part of our vision, to being a dynamic African university, recognised for its leadership in generating cutting-edge knowledge for a sustainable future. And we're working hard at growing our international links with universities on the continent.

### **We're connected ... to the world**

We know the importance of producing students who can contribute anywhere in the world and so we remain in touch with what's new and happening by collaborating with other leading institutions in the United Kingdom, the USA, Africa and Europe. In short, we network to ensure our students are prized players wherever they find themselves. NMMU actively develops its international partnerships not only to promote the internationalisation of our curriculum but to bolster its research and student exchange links too.



# We care for our students

A wide range of student services and support facilities are offered on NMMU campuses to assist you in every aspect of student life – from what to study, to finding a job after graduation.

## Student Affairs

The student affairs division currently comprises of six departments all of which strive to facilitate the optimal growth of students in all the facets of life. In this way we aim to deliver to society responsible citizens who are able to take up leadership positions for which their studies have equipped them. We respond to any query that students and parents bring and so we encourage students to contact us any time in the interest of their education.

## Library and Information Services

NMMU has a network of well-stocked libraries, computer laboratories (some open 24 hours), and student learning centres to provide students with a quiet space for studying.

## Campus Health Services

Campus Health Services provides primary health care clinics and qualified medical personnel to assist with any health matters. All services are rendered by registered health care professionals eg. professional nurses, medical doctors and registered counsellors.

## Student Counselling, Career & Development Centre (SCCDC)

The Student Counselling, Career & Development Centre (SCCDC) helps students with career choices, job-seeking skills, and any social, personal or academic problems they may have. The centre offers advice in areas such as time management, study methods, personal, social and emotional wellness, as well as career planning and employment assistance.

## Student Development & Governance

This department contributes towards the holistic development of students. The core functions of this department are the training and development of student leadership, the coordination of student life & events and supporting student governance structures such as the Student Representative Council (SRC), the Student Housing Council, faculty representatives, the Sports Council, Oppidani and Rag. They also provide advice on which society to join, which club membership fees are payable and other general information on any one of the Student Centres on our various campuses.

## Marketing Division

The marketing and recruitment team will gladly provide you with information and advice on the various programmes and related career opportunities. The team works closely with other student services and support departments in order to provide you with the most up-to-date information.







## Campus Life

NMMU offers a variety of social and cultural activities, which means you can have fun while you study. There is an extensive range of associations, societies, clubs and facilities, allowing you to make new friends, interact with your fellow students and explore subjects of mutual interest.

### Arts & Culture

The Department of Arts and Culture focuses on the holistic development of students by creating opportunities for their participation in the arts. Arts and Culture provides an environment in which students are able to exercise and develop their need for cultural and artistic expression. You are provided with the opportunity to express your talents by joining a wide range of interactive, cultural and active societies. These societies are diverse and vary from performing arts, dancing, music, drama and choirs.

### Student Representative Council (SRC)

The SRC is elected annually in a democratic election to represent the interest of students. The SRC is the only body which the university officially recognises as speaking on behalf of the students.

### Oppidani (day students)

Students who do not live in a campus residence are known as Oppidani students. All non-residential NMMU students are automatically members of the Oppidani House and are known as Oppies. Although Oppies live off campus, participation in non-academic life is encouraged. The Oppidani House Committee is the body of elected student leaders who are your link with NMMU and campus life. This committee organises various functions for students.

### Societies

Students have the opportunity to become a member of a number of student-run societies enabling them to have fun with like minded students while gaining valuable leadership, communication and social skills. Societies are broken up into the following groups: religious; academic; recreational; political and developmental groups.

### Sport

The Sport Bureau offers a wide variety of competitive and recreational sport programmes for students and staff, as well as for the wider university community. They provide the opportunity to participate in sport and recreation ranging from informal games for fun, to highly competitive leagues where skills are tested against the best in the province and country. In addition, through the various high performance programmes and academies of sport, NMMU plays a major role in the process of developing potentially elite players. Well equipped health and fitness centres offer professional gym facilities at student prices, and provide assistance with sport performance testing, sport specific training and injury rehabilitation. The NMMU

Sport Bureau provides club members with excellent sport facilities, scientifically-based coaching programmes and organisational and administrative support. The following clubs are offered on the various NMMU campuses:

- ▶ Athletics
- ▶ Athlons (Tri; Bi; Du- and Biathle)
- ▶ Basketball
- ▶ Chess
- ▶ Cricket
- ▶ Cycling
- ▶ Golf
- ▶ Hockey
- ▶ Judo
- ▶ Karate
- ▶ Netball
- ▶ Rugby
- ▶ Rock Climbing\*
- ▶ Rowing
- ▶ Shooting\*
- ▶ Soccer
- ▶ Squash
- ▶ Surfing
- ▶ Swimming
- ▶ Table Tennis
- ▶ Tennis
- ▶ Underwater hockey
- ▶ Volleyball
- ▶ Water polo

*\* Only offered on George Campus.*

# NMMU MADIBAZ

All teams have nicknames, or names by which they are popularly known. NMMU has one too. Those who work, study and play sport at NMMU proudly refer to themselves as Madibaz. In addition to our name, NMMU also boasts a mascot, named Diba.

# Guidelines for admission to undergraduate programmes

## General notes

- ▶ Prospective students must meet the statutory minimum requirements based on the **National Senior Certificate (NSC)** or equivalent school-leaving certificate for admission to a higher certificate or national diploma programme. Four of their seven subjects must come from the designated list for admission to a degree programme.
- ▶ Provisional admission is based on levels/symbols obtained in your grade 11 final or grade 12 June / September examinations. However, the final decision for studying at NMMU is based on your final grade 12 exam results.
- ▶ Apart from this, there are also specific subject requirements for all programmes.
- ▶ Admission to an undergraduate programme will be further determined by an applicant's **Admission Point Score (APS)**. The APS system is used for allocating point values to your seven NSC subjects.
- ▶ Applicants whose Admission Point Score (APS) falls below the APS required for direct entry to a specific qualification may be referred to write an access assessment test provided that their APS falls within the required testing band. Provisional admission will be based on both an applicant's school and access assessment results.
- ▶ There are limits to the number of students that can be admitted to each programme. Meeting the minimum admission requirements does NOT guarantee acceptance and you may be required to undergo further testing and/or be interviewed. If a programme is full, you may be denied admission even though you meet the minimum requirements. **So apply early!**
- ▶ Applicants with international or foreign qualifications must satisfy the requirements laid down by the Matriculation Board to qualify for a certificate exemption for a particular international or foreign school leaving qualification.
- ▶ In the case of applications by candidates who have studied at other higher education institutions accredited by the South African Qualifications Authority (SAQA), the results obtained at such institutions will be considered, together with their academic record and certificate of conduct.
- ▶ Prospective students who **matriculated prior to 2008** must please contact NMMU's Admission Office to determine their admission requirements.
- ▶ **Please note that admission requirements are subject to change.** Information in this programme guide was correct as at March 2013.

## How do you apply?

- ▶ Application forms for study at NMMU can be obtained by calling our Contact Centre on 041 504 1111 or e-mail: admissions@nmmu.ac.za or writing to the Admissions Office or downloaded from the university's website at [www.nmmu.ac.za/application](http://www.nmmu.ac.za/application).
- ▶ Applicants will now also be able to apply online by logging on to [www.nmmu.ac.za/applyonline](http://www.nmmu.ac.za/applyonline). Please note that online

applications will only open at the end beginning of April and only for first time undergraduate applicants.

- ▶ Before completing the application form and paying the application fee, please take note of the minimum admission requirements for the programme of your choice.
- ▶ Include certified copies of your identity document and school reports.
- ▶ Remember to include your cell number as well, as we will be sending you your application status and other important information via this number (Please do not include +27 or any spacing when you enter your cell number).
- ▶ Provisional admission is based on levels obtained in your grade 11 final and grade 12 June/September examinations; however, the final decision is based on your grade 12 final exam results.
- ▶ Applications for admissions should be submitted by **1 August 2013**.
- ▶ Late applications will still be considered up to 5 December and thereafter but only if the applicant meets the direct entry requirements and at a higher application fee.
- ▶ Hand in your fully completed application form, (see the first page of the application form for a checklist), as well as the prescribed application fee, to the Admissions Office on any NMMU campus, or by post to the following address:
  - PO Box 77000 • Nelson Mandela Metropolitan University
  - Port Elizabeth • 6031 • South Africa
- ▶ Please do not send cash in the post. See the application form for details of payment methods.
- ▶ Application fees are non-refundable.

## Online applications

### To apply online you will need the following:

- ▶ A valid SA ID number or passport number;
- ▶ Your latest school results (Grade 11 final or Grade 12 June/September results) – NO Grade 12 March results will be accepted (This is only applicable to applicants who are currently in Grade 12 and will be writing the National Senior Certificate (NSC) examinations in November;
- ▶ Access to the internet and an e-mail address;
- ▶ Access to a scanner and/or
- ▶ Access to a fax machine and/or
- ▶ Access to a printer (If you are currently at school or studying at another tertiary institution or have recently left school and do/will not have permanent employment);
- ▶ Only first-time undergraduate applicants will be able to apply online.
- ▶ Remember to include your cell number as well, as we will be sending you your application status and other important information via this number (Please do not include +27 or any spacing when you enter your cell number);
- ▶ To apply go to [www.nmmu.ac.za/applyonline](http://www.nmmu.ac.za/applyonline)

*Please note that failure to submit all required documentation will delay the processing of your application.*

## Admission Requirements

### National Senior Certificate (NSC)

- ▶ The table below explains what you need to achieve to meet the minimum entry requirements for each type of qualification.
- ▶ It is important to note that the table refers to minimum statutory entry requirements.
- ▶ The university may add additional requirements for specific programmes.

Qualification	Minimum entry requirement
<b>Higher Certificate</b>	Pass NSC, with a minimum of 30% in the language of learning and teaching of the higher education institution, together with any other university requirements.
<b>Diploma</b>	Pass NSC with a minimum of 30% in the language of learning and teaching of the higher education institution, coupled with an achievement rating of 3 (40-49%) or better in four recognised NSC 20-credit subjects, together with any other university requirements.
<b>Bachelor's degree</b>	Pass NSC with a minimum of 30% in the language of learning and teaching of the higher education institution, coupled with an achievement rating of 4 (50-59%) or better in four NSC 20-credit subjects from the designated list, together with any other university requirements.

*Please note that the achievement of the minimum NSC admission requirements does not necessarily guarantee admission to any programme or field of study at NMMU.*

### NSC language requirements

While NMMU is committed to multilingualism, the predominant language of learning and teaching is English. The statutory language requirements can be met by obtaining a rating of 3 (40-49%) or better in English, Afrikaans or isiXhosa as a home or first additional language.

### Designated school subjects

- ▶ If you are indenting to enrol for a degree programme you need to ensure that **four of your seven subjects** are from the designated list and that you obtain at least a level 4 (50-59%) in each of them.
- ▶ You will notice that the list already includes three of the four compulsory subjects required for obtaining the NSC, namely two official languages and Mathematics or Mathematical Literacy.
- ▶ All seven subjects irrespective of whether they are from the designated list are used to calculate your APS.
- ▶ A learner must have select one or more subjects from the list below, provided that they are not from the same group in order to apply for a degree programme.

Accounting	Languages
Agricultural Sciences	Life Sciences
Business Studies	Mathematics or Mathematical Literacy
Dramatic Arts	Music
Economics	Physical Sciences
Engineering Graphics and Design	Religion Studies
Geography	Visual Arts
History	Consumer Studies
Information Technology	



## How to calculate your Admission Point Score (APS)

- ▶ The APS system allocates point values to seven NSC subjects.
- ▶ Write down your relevant grade 12 subjects and the levels you have obtained.
- ▶ Allocate points according to the table below.
- ▶ Add up the number of points you have scored for all seven subjects. If you have eight or more subjects, use Life Orientation + your six best other subjects to calculate your APS.
- ▶ Compare your APS against the minimum APS required for the qualification you wish to apply for.
- ▶ If your APS is lower than the direct admission requirement set for a specific qualification refer to the testing band range to determine if your score falls within the range to be referred for an access assessment test.
- ▶ Include Life Orientation (LO) when you calculate your APS.

### Admission Point Score (APS)

NSC	NSC %	APS	APS %
		8	90 – 100 %
7	80 – 100 %	7	80 – 89 %
6	70 – 79 %	6	70 – 79 %
5	60 – 69 %	5	60 – 69 %
4	50 – 59 %	4	50 – 59 %
3	40 – 49 %	3	40 – 49 %
2	30 – 39 %	2	30 – 39 %
1	0 – 29 %	0	0 – 29 %

### APS Testing Band

In order to apply for an undergraduate qualification, you must meet the subject requirement(s) and **Admission Point Score (APS)** for direct entry or your APS must fall within the testing band indicated. If your APS score falls within the testing band you may be referred to write the Access Assessment Test before a decision is made whether to admit you to that qualification. However, if your APS falls below the testing band you will need to consider applying for an alternative qualification.

#### Example 1

To enrol for a national diploma in journalism you need an Admission Point Score (APS) of at least 32, as well as a NSC pass in English on at least level 4 (50-59%).

NSC Subject	NSC %	Level	APS Points allocated
English	65 %	5	5
Xhosa	60 %	5	5
Mathematics	70 %	6	6
Geography	55 %	4	4
History	80 %	7	7
Life Orientation	74 %	6	6
Accounting	71 %	6	6
<b>Admission Point Score</b>			<b>39</b>

The applicant has met one of the minimum requirements for admission to the National Diploma (Journalism).

#### Example 2

To enrol for the BCom (Accounting for Chartered Accountants) you need an Admission Point Score (APS) of at least 38, as well as four subjects from the designated list and a pass in Mathematics on at least level 5 (60-69%).

NSC Subject	NSC %	Level	APS Points allocated
English	70 %	6	6
Afrikaans	80 %	7	7
Mathematics	69 %	5	5
Accounting	65 %	5	5
Life Orientation	60 %	5	5
Physical Science	74 %	6	6
Life Sciences	81 %	7	7
<b>Admission Point Score</b>			<b>41</b>

*This applicant has met one of the minimum admission requirements for admission to the BCom (Accounting for Chartered Accountants).*

## Access Assessment Testing

If you are informed by the admissions office that you are required to write the access assessment test, it means the university wishes to assess your potential for the programme of your choice.

NMMU wants you to succeed by ascertaining from your test results where you are likely to have the best chances of being successful. You are responsible for contacting the Centre for Access Assessment and Research (CAAR) which oversees this process.

Their specially-trained consultants will answer your concerns and assist you in the way forward. Contact them on 041 504 2918 to make your booking.

### Additional requirements

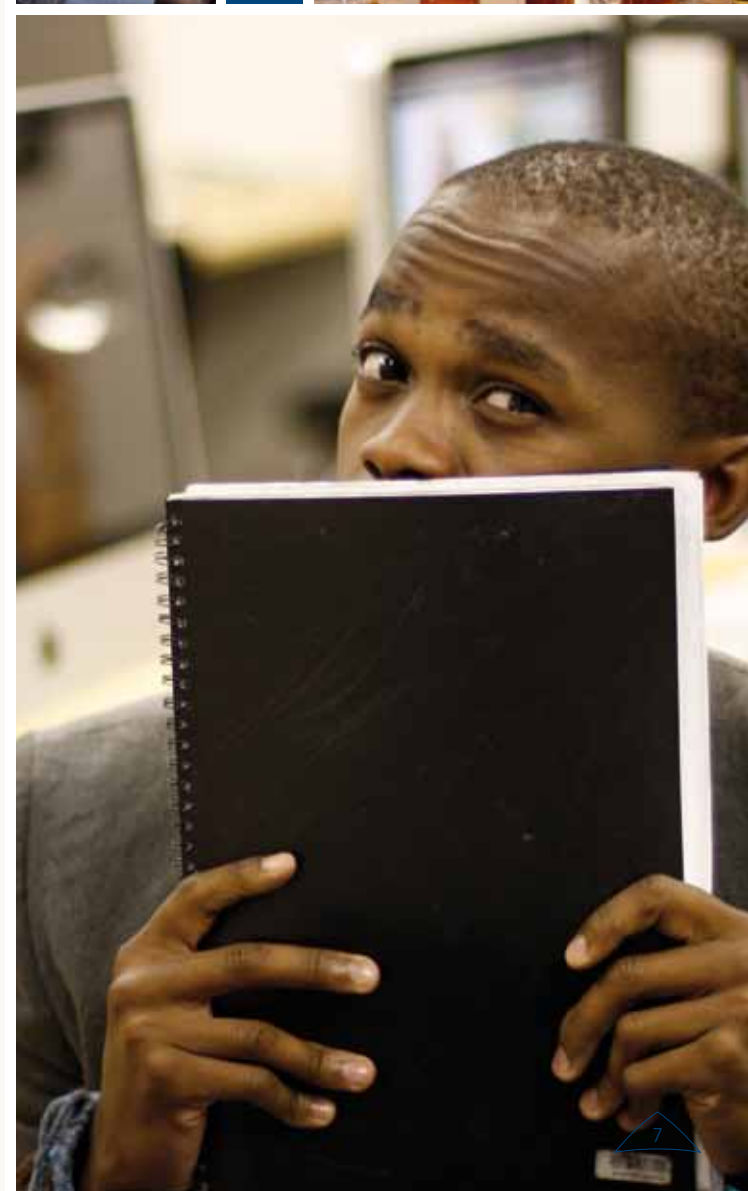
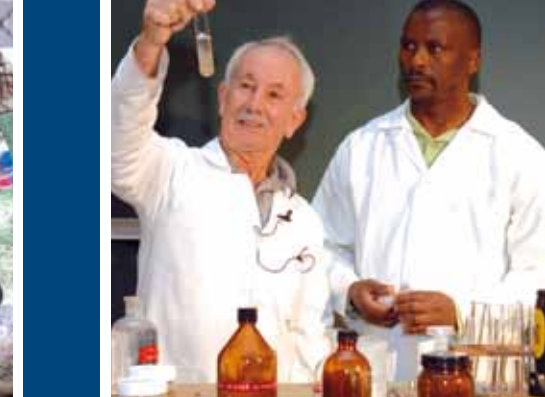
Over and above the minimum APS requirement, additional subject requirements have been set. These include:

#### Mathematics:

This is required for certain programmes. Only performance in the core Mathematics topics (papers 1 and 2) will be used when making admission decisions. However, school learners are encouraged to also take the optional Mathematics topics.

#### Mathematical Literacy:

In view of the importance of quantitative literacy for success at higher education studies, a minimum of a 3 (40-49%) for Mathematical Literacy is preferred for likely success at Higher Certificate and National Diploma programmes and a 4 (50-59%) for likely admission to degree programmes where Mathematics is not a requirement, unless otherwise indicated.



## International/foreign qualifications

- ▶ South African applicants with international school-leaving qualifications will be adjudged according to the School Performance Score (SPS).
- ▶ The applicant will have to comply with the minimum SPS set for the programme applied for as well as any other additional subject requirements.
- ▶ An applicant is required to obtain a minimum of 40% for English, Afrikaans or isiXhosa at home or first additional/second language level.
- ▶ Applicants may also be required to write the Access Assessment Test before a final decision is made.
- ▶ To calculate your SPS use the symbols/achievement rating/percentages obtained in your school-leaving examinations in order to convert them to an equivalent achievement standard on the National Senior Certificate (NSC).

### Admission Point Score (APS) equivalency conversion table

Admissions point	NSC Ach Level	Sen Cert HG	Sen Cert SG	HIGCSE NSSC	IGCSE O-level	AS-level	A-level	IB HL	IB SL	KCSE
12							A			
11							B			
10							C			
9							D			
8	7 (90-100%)	A		1		A	E	7		A+
7	7 (80-89%)	B		2		B		6		A-
6	6	C	A	3	A	C		5	7	B+
5	5	D	B		B	D		4	6	B, B-
4	4	E	C		C	E			5	C+
3	3	F	D						4	
2	2		E							
1 or 0	1		F							

#### Key:

NSC – National Senior Certificate

Sen Cert HG – Senior Certificate Higher Grade

Sen Cert SG – Senior Certificate Standard Grade

HIGCSE – Higher International Graduate Certificate of Secondary Education

IGCSE – International Graduate Certificate of Secondary Education

O-level – Ordinary level

AS – Advanced Subsidiary

A-level – Advanced level. An A-level represents a year's extra study beyond AS level and is regarded as worth double the points awarded to an equivalent AS grade (i.e., 10-16 points on an 8-point scale) in many instances.

NSSC – Namibian Senior Secondary Certificate

IB HL – International Baccalaureate Schools (Higher Levels)

IB SL – International Baccalaureate Schools (Standard Levels)

KCSE – Kenyan Certificate of Secondary Education

## Duration of studies

This is a general guide to the length of study for the various academic programmes offered at NMMU. Some programmes, particularly postgraduate certificates and diplomas, vary from these durations. Details for specific programmes can be confirmed in the university prospectus or by the Admissions Office.

Qualification	Minimum duration (full-time study)
Certificate (Cert)	1 year
Higher Certificate (HCert)	2 years
Diploma (Dip)	3 years (varies by programme)
National Diploma (NDip)	3 years
Bachelor's degree (eg BA, BCom, BSc)	3 years
Advanced/professional Bachelor's degrees: BCom(Rationum), BCur, BEd, BEng(Mechatronics), BMus, BPharm, BPsych, Bachelor of Social Work, LLB	4 years
Bachelor of Technology (eg BTech: Civil Engineering)	1 year
Bachelor Honours degree (eg BCom Hons)	1 year
Master's degree (eg MA, MTech)	1-2 years
Doctorate (eg PhD, DTech)	2 years





# Alternative access routes into mainstream programmes

## Extended Curriculum Programmes

The transition from school to university is challenging for most young people. It is, however, even more dramatic for learners who for various reasons, find that they do not meet the minimum admission requirements of the programme of their choice.

NMMU offers a wide range of extended curriculum programmes that provide such students with the opportunity to enrol for an extended programme in order to obtain the same mainstream qualification at the end of their study career (eg. a BCom degree or National Diploma). In practice, it implies that a student will complete a three-year degree or national diploma programme in four years.

These programmes provide an environment in which academic support and skills development are integrated with regular academic work. Additional support courses and activities in the first two years of the extended programme assist students to adapt to the university's learning environment in order to follow the mainstream courses during the last two years of study.



## Recognition of Prior Learning

NMMU is committed to build the capacity of people to reach their full potential. The university therefore subscribes to the national policy of increasing access to higher education, especially for the many people for whom this was not previously possible.

Recognition of Prior Learning (RPL) has particular reference to the **prospective mature student** who seeks formal acknowledgement and assessment of the skills, knowledge and competencies acquired by means of work and/or life experience, and wishes to gain admission to a formal university programme of their choice.

Such learners must take note that RPL entails a formalised comparison of the previous learning and experience of a learner, however obtained, against the learning outcomes required for a specified qualification.

RPL is an internationally-accepted practice in higher education institutions and may be applied in two ways, namely:

- i) for the purpose of credit transfer for modules or subjects studied at NMMU or another post-secondary or tertiary education institution in order to reduce the amount of duplicated learning, and
- ii) for status recognition of skills, knowledge and competencies to allow entry into a specific programme in the absence of the formally expected pre-qualification.

## Financial facts

- ▶ Before registering as a student, you need to determine whether or not you will have sufficient funds to finance your studies. Costs involved in higher education include registration and tuition fees, books, travel, meals, accommodation, sports equipment and general living expenses.
- ▶ NMMU offers financial assistance to full-time students in the form of bursaries, merit awards, scholarships and study loans for top academic achievers.
- ▶ A number of sport grants are also available for top sports performers and those who show outstanding potential.
- ▶ Admission to the university does not imply that you will get a loan.
- ▶ Edu-loan is a private finance company that exclusively focuses on educational finance, assisting people who are not able to pay for their own, or the studies of their dependants, and who do not qualify for the traditional financing through the formal banking sector or government aid schemes. Edu-loans are available for study fees and books and provide simple repayment options at an affordable interest rate to loan applicants. Visit the Edu-loan Office on South Campus.
- ▶ For more information on financial assistance, as well as on application, registration and tuition fees, contact the **Financial Aid Offices** on 041 504 3182/1111 or [financialaid@nmmu.ac.za](mailto:financialaid@nmmu.ac.za)

# Scholar merit award scheme for high school achievers

The Merit Award Scheme rewards top performing students for the marks achieved in their final grade 12 exams. The better the student's marks, the greater the discount they will receive on their fees. Continued excellent academic performance in your first and subsequent years will also be rewarded with reduced tuition fees, depending on the level of performance. Points are awarded for the levels obtained in each subject and the amount of the award is linked to the total merit points achieved.

## How to calculate your merit points

- ▶ Look at the points awarded for each of your seven subjects and add up the points obtained for each subject.
- ▶ If the total is 38 or above, the candidate will have satisfied ONE of the criteria for financial reward.
- ▶ Where more than seven subjects have been completed, the best seven will be considered.

Allocation of points		Bursary amounts	
Points	NSC %	Overall Merit Point	Award*
8	90% to 100%	50 and above	R 16000
7	80% to 89%	48-49	R 13000
6	70% to 79%	46-47	R 11000
5	60% to 69%	44-45	R 8000
4	50% to 59%	42-43	R 6000
3	40% to 49%	38-41	R 4500
0	0% to 39%		

*\*Please note that the amounts shown are subject to change. Please consult the Financial Aid Office for further information.*

## Criteria

- ▶ The award will be based on the final grade 12 National Senior Certificate (NSC) results.
- ▶ Grade 12 must have been completed not earlier than in the three years preceding the student's first registration at NMMU.
- ▶ The candidate should be enrolling for his/her first tertiary qualification at NMMU.
- ▶ The candidate must be registered as a full-time student for degree/diploma purposes for the full duration of the academic year.
- ▶ The award is for one year only.
- ▶ Applicants admitted to the Extended Curriculum Programmes don't qualify for the Scholar Merit Award Scheme.
- ▶ Further student merit awards are available on an annual basis, but will be dependant on continued excellent academic performance.
- ▶ Merit Awards are available to South African students only.
- ▶ Please note that the information above is only applicable to current grade 12 learners. Prospective students who matriculated prior to 2008 must please contact the Financial Aid Office on 041 504 3182 or email: [financialaid@nmmu.ac.za](mailto:financialaid@nmmu.ac.za)



## Leadership awards

In addition to merit awards, NMMU also offers leadership awards to head boys/girls or Learner Representative Council (LRC) presidents, who meet the above-mentioned criteria for a scholar merit award. In recognition of their leadership position, their scholar merit award is also topped up to pay towards their full tuition fee, up to a maximum of R10 000 for their first year of study if they obtain a merit point score of between 38 & 45.

Applicants above 45 points will not qualify for an additional award. Head boys/girls and LRC presidents scoring less than 38 points will receive R4 000. Documentary proof of your final grade 12 results, as well as proof of the above-mentioned leadership position, must be handed in to the Financial Aid Office on the North Campus.

For more information contact the Financial Aid Office on 041 504 3182 or [financialaid@nmmu.ac.za](mailto:financialaid@nmmu.ac.za). The university reserves the right to adjust the above awards.

## Student merit bursaries

Returning undergraduate students can automatically qualify for merit bursaries based on their final results in the previous year of study. All students who have passed all their modules at the first attempt and have attained a weighted average mark of 70% (subject to change) or higher, and have been registered for a minimum relative course weight of at least .800 (or 96 credits), receive a student merit bursary, the rand value of which is determined on a sliding scale, the minimum value being R 3000. This award is only made to SA citizens and no application is required.

*NB: Exempted courses are not included in the minimum relative weight or credit value for merit award purposes. The value of the bursary is not a fixed amount and is determined in accordance with the available budget. These awards are only for undergraduate studies and students proceeding onto BTech. Students intending to register for honors studies must apply for the bursaries on the prescribed form before 1 November of the year preceding honors studies.*

## Sport bursaries

The NMMU Sport Bureau offers sport bursaries of varying amounts to sport performers who have demonstrated the ability to play sport at a high level of competition. Sport Bursaries are awarded to students by the Sport Bureau. Application forms are available from their office, on South Campus. Closing date: 31 October. Bursary application forms can be obtained from the Sport Bureau contact: e-mail: [charmaine.button@nmmu.ac.za](mailto:charmaine.button@nmmu.ac.za) or Tel: 041 504 2496.

## NMMU Vice-Chancellor's Scholarships

NMMU's Vice-Chancellor, Professor Derrick Swartz, introduced a premier scholarship to top achievers in the country in 2010. The scholarship, valued at R70 000 a year, is renewable for each year of a first NMMU undergraduate degree or diploma, provided academic performance remains of the highest standard. Up to 30 Vice-Chancellor's Scholarships will be granted each year.

Vice-Chancellor's Scholarship students will also have access to other benefits and opportunities that will enhance their academic experience and leadership development.

To apply for this scholarship you will need to have obtained an NMMU APS of 48 or higher in your grade 11 final and grade 12 June/September examinations. Early application is essential and interested applicants can apply with their most recent school results, provided they reach us before the indicated closing date. The selection of the 30 recipients is based on their full academic record, including their grade 12 final NSC exam results.

For more information contact Marketing & Corporate Relations on 041 504 9923 or e-mail: [vcs@nmmu.ac.za](mailto:vcs@nmmu.ac.za).

## Where to live

### On-campus

NMMU provides affordable, comfortable on-campus accommodation options. These include the residences on the Summerstrand and George campuses and the Student Villages in Summerstrand, which consist of self-catering units.

As accommodation is limited, early application is essential. Prospective students should note that being offered a place in an academic programme does not mean they have been accepted into residence.

For more information contact: 041 504 1415 or e-mail: [resadmissions@nmmu.ac.za](mailto:resadmissions@nmmu.ac.za) or you can also visit their website: [www.nmmu.ac.za/studenthousing](http://www.nmmu.ac.za/studenthousing)

### Off-campus

Some students prefer living off-campus. Off-campus accommodation options include renting flats and houses or boarding at nearby private residences. NMMU offers a service to assist students in finding suitable off-campus accommodation.

For more information on off-campus accommodation please contact 041 504 4735/6 or e-mail: [offcampus.accommodation@nmmu.ac.za](mailto:offcampus.accommodation@nmmu.ac.za)



## Registration as an occasional student

A person who does not wish to register for an approved programme, but is only interested in specific subjects/modules, may register as an occasional student for non-qualification purposes, provided that he/she complies with the prescribed admission requirements; completes the prescribed application form; obtains the written permission of the relevant Head of Department to attend lectures; registers as a special student (including payment of the prescribed fees); and submits proof of registration to the relevant lecturer(s).

Please contact the Admissions Office for more information.

## Mature students

We offer exciting opportunities to mature students who are considering higher education either for the first time, or who wish to continue formal studies on a part-time basis. NMMU also offers a wide range of non-formal education and training programmes to meet the needs of lifelong learners.

Please contact Marketing & Corporate Relations on 041 504 2162 or e-mail: [postgrad@nmmu.ac.za](mailto:postgrad@nmmu.ac.za) or the Admissions Office on 041 504 3619 if you need any advice or assistance. Website: [www.nmmu.ac.za/postgrad](http://www.nmmu.ac.za/postgrad)

## International students

NMMU's Office for International Education provides information and assistance to prospective and current international students. Information on study programmes, fees, accommodation and study permit requirements can be obtained from this office.

Please contact them on +27 (0)41 504 2161 or e-mail: [international@nmmu.ac.za](mailto:international@nmmu.ac.za) or visit their website ([www.nmmu.ac.za/international](http://www.nmmu.ac.za/international)).

**The closing date for applications by international students is 31 October.**



## Assistance for people with disabilities

NMMU would like to ensure that students with disabilities do not experience any unfair discrimination due to their particular challenges. As a result, we strive to ensure that reasonable accommodation, reasonable adjustments concerning accessibility, examination and other academic concessions are made to meet your needs. Services currently available include recording of study materials, special work areas in the libraries equipped with magnification software, and a vehicle to assist with specific transportation needs. As every case needs to be individually assessed, please register your special needs with the university's Senior Disability Officer, Ms Ruth Barends, as soon as possible, preferably the year prior to registration and application. At your first appointment you will need to provide medical documentation from an appropriate professional. The goal of the consultations between students and the Disability Office is to identify the impact of a disability on students and to maximise opportunities for your independent participation.

### What can we offer you?

- ▶ Confidential, professional individual consultation sessions
- ▶ Workshop and information sessions for students
- ▶ A link to support organisations and networks relevant to your disability
- ▶ Training on specialised software

Bursaries for students with disabilities are available on an annual basis, upon application, through the Financial Aid Office. Please contact the NMMU Disability Services Office on 041 504 2562 or e-mail: [ruth.barends@nmmu.ac.za](mailto:ruth.barends@nmmu.ac.za) for further information.

## Language policy for teaching, learning and assessment

The official languages of NMMU are English, Afrikaans and isiXhosa, but English is the preferred medium of teaching, learning and assessment (with the exception of language and literature departments where other languages are studied).

## We have your programme

NMMU offers a wide range of technology-focused and professional programmes, as well as general academic programmes. The success of our career-focused programmes lies in the hands-on involvement of industry and business. Many programmes are also offered on a part-time basis to suit working people.

Undergraduate programmes include certificates, higher certificates, national diplomas and first degrees, ie. bachelor's (*baccalaureus*) degrees. All national diplomas and some degree programmes, such as those in media and communication studies, architecture, engineering, health sciences, law, and music, are career-focused, while others are more general and allow students to choose their subjects and tailor their studies to their interests, aptitudes and career plans.

Some bachelor's degrees may be made up of modules from more than one discipline and are referred to as general degrees (eg. BA General or BCom General), or may be career-focused, referring to an area of focus, such as the BA in Human Resource Management, BA in Media, Communication & Culture, BSc in Human Movement Science, BCom in Financial Planning, etc.

All professional national diploma and degree programmes – for example, in engineering, construction, quantity surveying, chartered accounting, law, interior design, pharmacy and other health professions – carry the necessary accreditation by professional bodies locally and, in some cases, internationally.

The one-year Bachelor of Technology degree (BTech) follows on the national diploma and is perceived in the same way as other four year career-focused bachelor's degrees. Four-year bachelor's degrees include the Bachelor of Pharmacy (BPharm), Bachelor of Nursing Science (BCur), Bachelor of Music (BMus) and the Bachelor of Psychology (BPsych). These BTech and four year bachelor's degrees may be followed by postgraduate study at master's level, while a three-year bachelor's degree is usually followed by an honours degree before the master's degree.

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# Faculty of Arts

*Creating tomorrow*

## Admissions offices

Port Elizabeth campuses: 041 504 1111  
George Campus: 044 801 5111

## Faculty administration

041 504 3252 / 2855 / 2802 / 4608 / 3478

[arts.nmmu.ac.za](http://arts.nmmu.ac.za)  
[admissions@nmmu.ac.za](mailto:admissions@nmmu.ac.za)  
[info@nmmu.ac.za](mailto:info@nmmu.ac.za)

Are you curious? Are you creative? Do you aspire to a greater understanding of those around you? If so, the field of human and social sciences, or the world of performing and creative arts may appeal to you. From journalism to philosophy, politics to fashion, French to music and anthropology to public administration ... your choice for future career options is vast in creating your tomorrow.

## School of Music, Art and Design

Department of Applied Design

Department of Art & Design: Introductory Studies

Department of Music

Department of Studio Arts

## School of Architecture

Department of Architecture

Department of Architectural Technology & Interior Design

## School of Language, Media and Culture

Department of Applied Language Studies

Department of Journalism, Media Studies & Philosophy

Department of Language & Literature

Department of Public Relations & Communication Studies

## School of Governmental and Social Sciences

Department of Political & Governmental Studies

Department of Sociology & Anthropology

*Please note that various qualifications within the School of Music, Art & Design are currently being reviewed. Prospective students are advised to contact the admissions office prior to applying.*





## SCHOOL OF MUSIC, ART AND DESIGN

MMU is home to the oldest art school in the country, dating back to 1882. The current School of Music, Art and Design offers various programmes in the fields of applied design and studio arts, as well as in music. A wide range of career-directed programmes in fields such as animation, photography, bronze and alloy casting, ceramic design, advertising and information design, craft, digital arts, fashion, fine art, graphic design, illustration, sculpture, painting, printmaking, stained glass, fine art ceramics, textile design, videography and web design are offered by the departments of Applied Design and Studio Arts. These programmes are all accessed via the Introductory Studies: Art and Design generic first-year programme (with the exception of Fashion). This compulsory first year provides students with a multi-disciplinary foundation of knowledge, experience and practice for further diploma studies. Fine Art, Graphic Design, Textile Design & Technology, Ceramic Design and Photography flow from the generic first year into the second year of the respective disciplines.

The Fashion Design programme entails three-year full-time study, which begins in the first year of the

specific discipline, immediately preparing students from the start to meet the challenges of this field. High priority is given to drawing, visualisation and theoretical studies as these broad disciplines underpin all the programmes in the fields mentioned above. Students are encouraged to develop their technical skills and conceptual ability as the critical building blocks towards a chosen career. It is also here where they learn to confidently function as creative professionals and to satisfy their ambitions.

The Department of Music provides students with individual attention from highly-skilled staff and offers a wide variety of undergraduate and postgraduate programmes, in fields ranging from Western classical music, jazz and music technology to music education, composition and choral conducting. A full range of instruments is also taught. Programmes are modularised with flexible entry and exit levels, and various articulation possibilities exist with other universities and examining bodies such as Unisa and the Royal School of Music.

### ART AND DESIGN INTRODUCTORY STUDIES, APPLIED DESIGN & STUDIO ARTS

Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
<b>National Diploma (NDip)</b>						
<b>Introductory Studies: NDip (Art &amp; Design)</b>	<p>Introductory Studies provides the first year of study for the national diploma and BTech in the following fields:</p> <ul style="list-style-type: none"> <li>Fine Art</li> <li>Graphic Design</li> <li>Textile Design &amp; Technology</li> <li>Photography</li> <li>Ceramic Design</li> </ul> <p>All prospective students wanting to major in one of these directions are required to apply for Introductory Studies: Art &amp; Design on their application form.</p> <p>The course provides a broad base of skills and competencies that includes visual literacy, creative problem solving and design skills, sound drafting skills; the ability to work in an extended range of media, both traditional and non-traditional, and appropriate experience at developing concepts and realising these in both two- and three-dimensional form; the ability to function as part of a team and the ability to articulate concepts both visually and verbally.</p>	Full-time 1 year	22 - 27	28	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 3 (40-49%).</li> </ul> <p>Applicants who meet the specified academic entrance requirements need to attend an interview complete a placement test and submit a set portfolio of work.</p> <p>Numbers are limited for this course. The portfolio recommendation is the leading indicator.</p> <p><b>Recommended NSC subjects:</b></p> <ul style="list-style-type: none"> <li>Visual Arts</li> <li>Design</li> </ul>	See the relevant diploma programmes overleaf.
<b>NDip (Ceramic Design)</b>	<p>This programme develops the necessary practical, technological, design and basic business skills required for a career as a studio production ceramist in the small business sector or as a ceramic designer or a crafts person.</p>	Full-time 2 years			<p>Only after successfully completing the <b>Introductory Studies</b> programme are students considered for placement in the diploma programme.</p> <p>The student must attend an interview and submit a portfolio of relevant first-year work appropriate to their proposed area of specialisation. A challenge test may also be required to finalise the selection process. Admission to the student's desired area of specialisation is not guaranteed and it is therefore recommended that students interview for more than one area of specialisation.</p>	Studio ceramist, ceramic designer, crafts person, private teacher.

Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
<b>NDip (Fashion)</b>	This programme enables students to function within the wide parameters of the world of fashion. It equips you with the ability to adapt to the fast-changing needs of the clothing and fashion industry.	Full-time 3 years	22 - 27	28	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 3 (40-49%).</li> <li>The admissions office invites qualifying applicants who meet the specified academic entrance requirements to attend an interview, complete a placement test and submit a set portfolio of work.</li> </ul> <p>The portfolio recommendation is the leading indicator. Numbers are limited for this course.</p> <p><b>Recommended NSC subjects:</b></p> <ul style="list-style-type: none"> <li>Visual Arts</li> <li>Design</li> </ul>	Clothing designer (for haute couture, ready-to-wear or mass market), pattern maker, theatre designer, fashion illustrator, fashion marketer or entrepreneur (involved in buying, merchandising, co-ordination and styling for magazines, newspapers and fashion industrial publications).
<b>NDip (Fine Art)</b>	<p>This programme offers training in sculpture, painting, photography, printmaking, stained glass, glass-forming, ceramics, digital technologies and multimedia.</p> <p>It allows the student to select at least three of these specialities together with drawing, professional practice and art theory. The accent is on research and process skills essential for contemporary art production.</p> <p>The programme also includes training in small business management, basic marketing skills, personal and professional time management, as well as communication skills.</p>	Full-time 2 years			<p>Only after successfully completing the <b>Introductory Studies</b> programme are students considered for placement in the diploma programme.</p> <p>The student must attend an interview and submit a portfolio of relevant first-year work appropriate to their proposed area of specialisation. A challenge test may also be required to finalise the selection process. Admission to the student's desired area of specialisation is not guaranteed and so it is recommended that students interview for more than one area of specialisation.</p>	Professional artist, entrepreneur, designer, illustrator, model-maker in the theatre, television and film industry, marketing and sales representative in the arts sector, curator, conservation and display expert in the museum and gallery sector, teacher and lecturer.
<b>NDip (Graphic Design)</b>	This programme enables students to develop creative approaches to solving graphic communication problems. The programme provides students with comprehensive training that will equip them to establish their own business and to find productive employment as designers in advertising, publishing, packaging, and related fields within commerce and industry.	Full-time 2 years			<p>Only after successfully completing the <b>Introductory Studies</b> programme are students considered for placement in the diploma programme.</p> <p>The student must attend an interview and submit an interview portfolio of relevant first-year work appropriate to their proposed area of specialisation. A challenge test may also be required to finalise the selection process. Admission to the student's desired area of specialisation is not guaranteed and so it is recommended that students interview for more than one area of specialisation.</p>	Graphic designers may find employment with advertising agencies, design studios, repro companies, TV stations and signage companies. Graphic designers may go into partnership with an experienced designer, work freelance or establish an independent business.
<b>NDip (Photography)</b>	This programme equips students with a comprehensive knowledge of photographic or imaging processes, materials and apparatus, through hands-on experience in the field, studio or on professional assignment.	Full-time 2 years			<p>Only after successfully completing the <b>Introductory Studies</b> programme are students considered for placement in the diploma programme.</p> <p>The student must attend an interview and submit a portfolio of relevant first-year work appropriate to their proposed area of specialisation. A challenge test may also be required to finalise the selection process. Admission to the student's desired area of specialisation is not guaranteed and so it is recommended that students interview for more than one area of specialisation.</p>	Careers in commercial, fashion or advertising photography; photo finishing industries, publishing and journalism, film and video production, digital imaging technology or freelancing.

Columns marked with an asterisk (\*) indicate the minimum requirements for admission to a programme. Should you not meet these requirements but fall within the APS testing band you may be referred to write an access assessment test before an admissions decision is made.

Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
<b>NDip (Textile Design &amp; Technology)</b>	<p>This programme aims to give a range of textile knowledge with some emphasis on fashion. It allows the student flexibility to respond readily to the changing textile world. Individual design development and product development constitutes a major part of the studies.</p> <p>Personal style development is strongly encouraged throughout the course. The programme allows the student to explore interest areas of a specialised nature. Either formal design and merchandising can be pursued as it relates to the fashion, interiors and textile industry or technological innovation with regard hi-tech fibres, knitting and weaving systems.</p>	Full-time 2 years			Only after successfully completing the <b>Introductory Studies</b> programme are students considered for placement in the diploma programme. The student must attend an interview and submit a portfolio of relevant first-year work appropriate to their proposed area of specialisation. A challenge test may also be required to finalise the selection process. Admission to the student's desired area of specialisation is not guaranteed and so it is recommended that students interview for more than one area of specialisation.	Textile designer in the formal and informal industry, stylist, co-ordinator of textiles, crafter or entrepreneur, consultant, trend forecaster, researcher or teacher.
<b>Bachelor of Technology (BTech) (The BTech degree forms part of the fourth year of study after completing the national diploma)</b>						
<b>BTech (Ceramic Design)</b>	This programme allows the student to pursue independent study within a selected area of interest. The student will use the skills developed in the diploma programme to develop a body of work for final assessment.	Full-time 1 year Part-time 2 years			NDip (Ceramic Design) or suitable RPL. An aggregate of at least 65% in Design Technology III, Design Management III and Ceramic Practice III is compulsory. Applicants also have to submit a proposal to qualify for placement into the programme.	The programme equips a student with the necessary competencies to pursue a viable career in the field of professional ceramics as an artist, craftsman or designer.
<b>BTech (Fashion)</b>	This programme aims to develop students' individual creative and technical abilities in a range of fashion subjects. It will equip them with up-to-date techniques and materials that could be utilised during training and later in industry.	Full-time 1 year Part-time 2 years			NDip (Fashion) or suitable RPL. An aggregate of at least 65% for the national diploma is required. A 65% pass mark in Theory of Clothing III and Applied Clothing Technology III is mandatory. Applicants also have to qualify to submit a proposal for placement into the programme.	Qualified students have the potential to become private entrepreneurs and/or buyers or designers for the mass market – including chain stores. Other career opportunities include: clothing designers (mass production and <i>haute couture</i> ), fashion illustrators, costume designers, pattern cutters, pattern graders or supervisors.
<b>BTech (Fine Art)</b>	This programme enables students to demonstrate competent skills in research methodology, to engage in critical debate and to contribute to the body of knowledge and understanding within the field of contemporary arts, to extend and broaden practical and conceptual skills to produce a coherent body of work, and to demonstrate the confidence and powers of self-criticism needed for development as an artist.	Full-time 1 year Part-time 2 years			NDip (Fine Art) or suitable RPL. An aggregate of at least 65% in Art Theory III, Studio Work and Drawing at third-year level is mandatory. Applicants also have to qualify to submit a proposal for placement into the programme.	Qualified individuals may become artists, entrepreneurs and designers in their specialist fields, eg. stained glass designers; art marketing, development and sales in the arts sector; curators; conservation and display experts; teachers and lecturers; designers and illustrators in the publishing and design industry; model-makers in the theatre, television and film industry.
<b>BTech (Graphic Design)</b>	This programme provides an opportunity to study creative and/ or technologically advanced aspects of graphic design that have significant industrial and educational value. Recommended study areas are: graphic design history, packaging, corporate identity, education and publishing.	Full-time 1 year Part-time 2 years			NDip (Graphic Design) or suitable RPL. An aggregate of at least 65% for the national diploma is required. 65% pass mark in History and Theory of Graphic Design III is mandatory. Applicants also have to qualify to submit a proposal for placement into the programme.	Qualified individuals may find careers at advertising agencies, design studios, in the printing industry, publishing, packaging, display and exhibition-related design. Opportunities also exist in digital media and web design. Enterprising graduates also freelance or open their own studios.
<b>BTech (Photography)</b>	This programme will equip the student with the necessary competencies to pursue a viable career as a practitioner in the communicative, technological, creative and financial aspects of the photographic environment. Recommended study areas include reportage, documentary, portraiture, digital still-life, training videos, digital image manipulation, architecture and landscape photography.	Full-time 1 year Part-time 2 years			NDip (Photography) or suitable RPL. An aggregate of at least 65% for the national diploma is required. 65% pass mark in Visual Communication III is mandatory. Applicants also have to qualify to submit a proposal for placement into the programme.	Photographers may follow careers in advertising, fashion, publishing, journalism, video production and editing, as well as digital imaging technologies. Opportunities also exist in public relations, medical, scientific, commercial and industrial photography.
<b>BTech (Textile Design &amp; Technology)</b>	This programme allows the student to specialise in an aspect of textile design and textile production. Since many challenges face the textile industry, the focus is on originality, inventiveness and product development. An acute awareness of design development in the formal and the informal industry is cultivated to ensure competitiveness in the textile field.	Full-time 1 year Part-time 2 years			NDip (Textile Design & Technology) or suitable RPL. An aggregate of at least 65% for the national diploma is required. 65% pass mark in Textile and Design Studies II and Textile Design III is mandatory. Applicants also have to qualify to submit a proposal for placement into the programme.	Qualified textile designers can design carpets, tiles, textiles; act as buyers for home fashions and apparel; be employed in the sales/ marketing/merchandising fields at knitting mills or may be actively involved in interior decorating.



## MUSIC

The Department of Music offers a variety of exciting music programmes at various levels. In accordance with the motto "music for all", the department strives to make tertiary music education widely accessible so as to prepare students for careers in music, and to promote and foster the performing arts in the community. The Department of Music provides students with individual attention from highly skilled staff and offers a wide variety of courses, from Western classical music to jazz to music technology. Programmes are modularised with flexible entry and exit levels, and offers articulation possibilities with other universities and examining bodies such as Unisa and the Royal School of Music.

The facilities are among the most modern in South Africa and include a well-equipped library, lecture halls and practice rooms, digital recording studios, and three pipe organs. The Department of Music plays an active role in Nelson Mandela Bay's lively cultural scene. Performance opportunities include student and staff concerts, the NMMU Brass Ensemble, NMMU Big Band and other ensembles, the acclaimed NMMU Choir, and the Eastern Cape Philharmonic Orchestra.

Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
<b>Diploma (Dip)</b>						
<b>DipMus (General)</b>	This programme is designed for students who <b>do</b> have prior learning in music, but who do not qualify for entry to degree studies, or who, in the opinion of the head of department, does not yet meet the practical and theoretical entrance requirements for the BMus degree. However, on completion of this diploma they may go on to BMus3. It comprises compulsory modules in main instrument, music theory, aural development, music history, and music teaching methodologies, in addition to which it offers a wide variety of elective modules, including a second instrument, choral music studies, orchestration, music technology, and many more.	Full-time 3 years	22 - 29	30	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 3 (40-49%).</li> <li>A minimum practical grade 3 of the examining bodies (Unisa, ABRSM, Trinity) is required for instrumental studies, or successful completion of an audition.</li> <li>No prior formal learning in music theory is required.</li> <li>Admission is subject to departmental selection based on an audition during which an applicant must demonstrate an acceptable performance standard.</li> </ul>	Music teacher, performer, composer, programme compiler, music journalist, arts administrator, music librarian or archivist, researcher.
<b>DipMus (Music Education)</b>	This programme is focused on the adult beginner. During the first year, students are exposed to bridging courses in practical music, music theory, music history, English language and study skills, and then begin to take mainstream modules from the second year onwards. Successful students also have the opportunity to enter the BMus programme.	Full-time 3 years	22 - 29	30	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 3 (40-49%).</li> <li>No prior music training is required for theoretical subjects or instrumental studies.</li> <li>Admission is subject to departmental selection based on an audition during which an applicant must demonstrate an acceptable performance standard.</li> </ul>	Careers in music teaching, music technology and choral conducting.
<b>DipMus (Jazz)</b>	This programme is focused on the developing jazz musician. It offers modules in practical skills on various instruments and also modules in music theory, music in history and society, keyboard skills and improvisation. Modules in the method of teaching provide the student with the skills to teach jazz. Successful students also have the opportunity to enter the BMus programme.	Full-time 3 years	22 - 29	30	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 3 (40-49%).</li> <li>Admission is subject to departmental selection based on an audition during which an applicant must demonstrate an acceptable performance standard. No prior music training is required for theoretical subjects or instrumental studies.</li> </ul>	Jazz and jazz education.
<b>Bachelor of Music (BMus)</b>						
The BMus programme provides learners with specialised skills in music education, performing arts, interdisciplinary studies or music technology. Students are equipped with creative and critical musical abilities that are culturally and aesthetically sensitive to the demands of music in a multi-cultural society. Jazz is offered as an option in all of the BMus programmes listed below. The degree may be combined with a non-music major from a BA, BSc, BCom or BPsych programme.						
<b>BMus (Music Education)</b>	The Music Education programme develops students' critical ability to analyse theories of music education, and equips them to apply effective teaching and learning strategies in music education.	Full-time 4 years	22 - 29	30	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> </ul>	Music teachers.

Columns marked with an asterisk (\*) indicate the minimum requirements for admission to a programme. Should you not meet these requirements but fall within the APS testing band you may be referred to write an access assessment test before an admissions decision is made.

Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
					<ul style="list-style-type: none"> <li>Mathematics 2 (30-39%) or Mathematical Literacy 3 (40-49%).</li> <li>Practical standard equivalent to Grade 6 and music theoretical standard equivalent to Grade 5 is required. Admission is subject to departmental selection based on an audition during which an applicant must demonstrate an acceptable performance standard.</li> </ul>	
<b>BMus (Performing Arts)</b>	The Performing Arts programme equips learners with the ability to work as performing artists in a creative environment, and stylistic insight into the performance requirements of music.	Full-time 4 years	22 - 29	30	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 3 (40-49%).</li> <li>Practical standard equivalent to Grade 6 and music theoretical standard equivalent to Grade 5 is required. Admission is subject to departmental selection based on an audition during which an applicant must demonstrate an acceptable performance standard.</li> </ul>	Performing musicians (solo or ensemble).
<b>BMus (Music Technology)</b>	The Music Technology programme offers theoretical knowledge of the practice of music technology, and the skills to record, produce and programme music in a PC-based multi-track digital/analogue recording studio.	Full-time 4 years	22 - 29	30	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 3 (40-49%).</li> <li>Practical standard equivalent to Grade 6 and music theoretical standard equivalent to Grade 5 is required. Admission is subject to departmental selection based on an audition during which an applicant must demonstrate an acceptable performance standard.</li> </ul>	Music technologist, producer, arranger, composer, electro-acoustic musician, sound engineer, independent record label owner, acoustics and sound installation consultant, technology-enabled music teacher.
<b>BMus (Interdisciplinary Studies)</b>	The interdisciplinary BMus option allows students to widen the scope of their degree by adding non-music subjects to their programme.	Full-time 4 years	22 - 29	30	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 3 (40-49%).</li> <li>Practical standard equivalent to Grade 6 and music theoretical standard equivalent to Grade 5 is required. Admission is subject to departmental selection based on an audition during which an applicant must demonstrate an acceptable performance standard.</li> </ul>	Performing artists, music teachers, various careers in the field of music technology.
<b>BMus (General)</b>	In addition to a core curriculum of music subjects, the BMus General allows candidates a wide scope of elective options, both within and beyond the field of music.	Full-time 4 years	22 - 29	30	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 3 (40-49%).</li> <li>Practical standard equivalent to Grade 6 and music theoretical standard equivalent to Grade 5 is required. Admission is subject to departmental selection based on an audition during which an applicant must demonstrate an acceptable performance standard.</li> </ul>	This curriculum is ideally suited to the versatile musician rather than to the musician who wishes to specialise in one particular area of music.

## SCHOOL OF ARCHITECTURE

NMMU's School of Architecture is internationally renowned for the quality of its teaching and the high calibre of diplomates and graduates it produces. Three programmes are offered: Architecture, Architectural Technology, and Interior Design. Most programmes have national and international accreditation. Students are offered the opportunity to study towards becoming professional architects, professional senior architectural technologists, professional architectural technologists or interior designers / interior architects. Design and technology are interrelated as key elements of all programmes offered. All programmes contain both design and technical elements but with varying emphasis.

The *Architecture* programme places the emphasis on design as the core skill of the architect. The programme that leads to registration as a professional architect consists of two degrees: the Bachelor of Architectural Studies (BAS) followed by the Master of Architecture (Professional). In this programme, design informs the theory and technical subjects. Students who complete only the BAS degree may also become senior architectural technologists.

The *Architectural Technology* programme is mostly concerned with the technical development of buildings. This may cover technical building design, the design of construction details, the design of parts of buildings and the presentation of the design. Architectural technologists may also design houses and simple conventional building types. The diploma and BTech programmes combine to form the programme in Architectural Technology that leads to registration as professional architectural technologists or professional senior architectural technologists.

The *Interior Design* programme deals with the manipulation and creation of spaces within existing or new structures. Interior designers have the opportunity to manipulate spaces to add meaning to the lives of the users. Here design is the core subject that informs all the theory and technical subjects. The programme equips students with the crucial knowledge and skills to create interiors with positive spatial qualities that are uplifting for people on all levels of experience.

Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
<b>National Diploma (NDip)</b>						
<b>NDip (Architectural Technology)</b>	<p>The programme aims to produce architectural technologists who will be competent to design at the basic level and, with the aid of the latest technological equipment, perform the technical aspects of architectural practice at the intermediate level. Construction technology, design and documentation are the main areas of focus. However, because architecture by its very nature is design-orientated and because technologists are allowed to practice independently, architectural design and design theory also forms part of the programme.</p> <p><i>For more information on the creative portfolio and interview please phone 041 504 9928.</i></p>	Full-time 3 years	26 - 31	32	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 3 (40-49%) or Mathematical Literacy 5 (60-69%).</li> </ul> <p><b>Recommended NSC subjects:</b></p> <ul style="list-style-type: none"> <li>Visual Arts</li> <li>Design</li> <li>Physical Science</li> <li>Engineering Graphics &amp; Design</li> </ul> <p>Qualifying applicants will be required to prepare a prescribed portfolio, attend an interview and complete a placement assessment test. Some applicants may be required to attend a three-week "preparation to architectural technology" qualification course prior to registration.</p>	<p>The field of expertise of architectural technologists is mainly construction methods, materials, the preparation of drawings and graphic presentations and the design of small buildings such as houses.</p> <p>Employment opportunities exist with architectural practices, government institutions and property developers, or as self-employed consultants.</p> <p>The programme leads to registration as professional architectural technologists with the South African Council for the Architectural Profession who will require a two-year "candidacy" period followed by a qualifying exam. They can also follow postgraduate studies in related fields such as town planning.</p>
<b>NDip (Interior Design)</b>	<p>The programme aims to produce interior designers who will be competent to design the working spaces or living environments of people so that they are more efficient, comfortable and aesthetically pleasing.</p> <p>The focus is on the re-use of existing buildings or installations in new buildings of a variety of types but most particularly the commercial field. Design exercises are augmented by the study of interior design theory, history of interior design, soft furnishings, marketing, retail design, shop fitting, space planning and related construction technologies and building services. Design trends across the spectrum of design disciplines and the latest developments in design thinking are covered in detail.</p> <p><i>For more information on the creative portfolio and interview please phone 041 504 9928.</i></p>	Full-time 3 years	26 - 31	32	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 3 (40-49%) or Mathematical Literacy 5 (60-69%).</li> </ul> <p>NSC subjects like <b>Visual Arts</b>, and <b>Design</b> are given priority during selection of candidates. Qualifying applicants will be required to prepare a prescribed portfolio, attend an interview and complete a placement assessment test.</p>	<p>Employment opportunities for interior designers exist with interior design firms, architectural practices, furniture manufacturers and suppliers and property developers, or as self-employed consultants.</p>

Columns marked with an asterisk (\*) indicate the minimum requirements for admission to a programme. Should you not meet these requirements but fall within the APS testing band you may be referred to write an access assessment test before an admissions decision is made.



Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
<b>Bachelor of Technology (BTech) (The BTech degree forms the fourth year of study after completing the national diploma)</b>						
<b>BTech: Architectural Technology (Applied Design)</b>	<p>This design-focused course is aimed at students who wish to either transfer to the architectural programme by continuing with the two-year MArch (Professional) degree or who intend to (with some experience) practice independently as professional senior architectural technologists. The design component of the course is run concurrently with the BAS Design III class.</p> <p>Those who achieve the required 60% in Design may then register for the two-year MArch (Professional) degree programme. Alternatively, they may register for the MTech (Architectural Technology) programme.</p>	Full-time 1 year Part-time 2 years			<p>Applicants who hold a NDip: (Architectural Technology) from NMMU with:</p> <ul style="list-style-type: none"> <li>An average of 70% for Principles of Architectural Design III (final mark) and 65% as the average of the final marks for Studio Work II and III and Construction and Detailing II and III.</li> <li>Applicants who don't qualify in terms of the above requirements are required to write an entrance examination set and evaluated by the Department of Architectural Technology and Interior Design.</li> <li>Applicants who hold a NDip (Architectural Technology) or a first degree in Architecture from another accredited tertiary institution must sit for the entrance examination referred to in the point above.</li> </ul>	The field of expertise of architectural technologists is mainly construction methods, materials, the preparation of drawings and graphic presentations and the design of small and intermediate buildings. Employment opportunities exist with architectural practices, government institutions and property developers, or as self-employed consultants. The programme leads to registration as a professional senior architectural technologist with the South African Council for the Architectural Profession who require a two-year "candidacy" period followed by a qualifying exam. They can also follow postgraduate studies in Architectural Technology or related fields such as town planning.
<b>BTech: Architectural Technology (Technology)</b>	<p>This qualification aims to produce senior architectural technologists who will be competent to design at the intermediate level and with the aid of the latest electronic tools, perform and control the technical aspects of architectural practice at an advanced level.</p> <p>While design forms an integral part of the course the focus remains on the practical/ technological aspects of architectural practice. This includes an emphasis on "green design" and the particular needs of developmental communities. Students who have completed this course may register for the MTech (Architectural Technology) programme or may register for the third year of the BAS programme in order to gain entry into the MArch (Prof) programme.</p>	Full-time 1 year Part-time 2 years			<p>Applicants who hold a NDip: (Architectural Technology) from NMMU with:</p> <ul style="list-style-type: none"> <li>An average of 70% for Principles of Architectural Design III (final mark) and, 65% as the average final mark for: Studio Work II and III, and Construction and Detailing II and III. Applicants who don't qualify in terms of the requirements stated above are required to write an entrance exam.</li> <li>Applicants who hold a NDip: (Architectural Technology) or a first degree in Architecture from another accredited tertiary institution must sit for the entrance examination as referred to above.</li> </ul>	The field of expertise of architectural technologists is mainly construction methods, materials, the preparation of drawings and graphic presentations and the design of small and intermediate buildings. The programme leads to registration as professional senior architectural technologists with the South African Council for the Architectural Profession who require a two-year "candidacy" period followed by a qualifying exam. You can work in architects' offices, the public sector or with property developers or choose to practice independently.
<b>BTech (Interior Design)</b>	<p>This programme aims to prepare senior interior designers for larger projects.</p> <p>This design-focused course aims to produce senior interior designers who can, with some experience, practice independently as part of the team of consultants responsible for major new and adaptive re-use projects. A four-year qualification is the international pre-requisite for practice in interior design.</p>	Full-time 1 year Part-time 2 years			<p>Applicants who hold a NDip (Interior Design) from NMMU with:</p> <p>A final mark of at least 65% for each of the following modules: Interior Design III, Design Technology III, Design Theory III, or applicants who don't qualify in terms of the above point are required to write an entrance examination set and evaluated by the Department of Architecture and Interior Design in conjunction with the external moderator(s) for the modules Interior Design IV and Design Technology IV.</p> <p>Students from other institutions or programmes may be required to complete certain pre-diploma modules as part of their course.</p>	Employment opportunities exist with interior design firms, architectural practices, furniture manufacturers and suppliers and property developers, or as self-employed consultants.
<b>Bachelor of Architectural Studies (BAS)</b>						
<b>BAS (Architecture)</b>	<p>The Department of Architecture's professional architecture programme is a two-degree programme: a three-year bachelor's degree in Architectural Studies (BAS), and a two-year master's degree in Architecture (MArch).</p> <p>Once you have the BAS degree, should you decide not to proceed further, and once you have complied with the South African Council for the Architectural Profession's (SACAP) practical training requirements, you can register as a senior architectural technologist.</p>	Full-time 3 years plus Full-time 2 years	24 - 33	34	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 4 (50-59%)</li> <li>Selection is based on the submission of a creative portfolio to the department, an interview with the department's staff and a discussion with them about your creative portfolio.</li> </ul>	Students who choose to leave after finishing only the BAS may register as senior architectural technologists after a three-year "candidacy" period followed by a qualifying exam. Employment opportunities exist with architectural practices, government institutions and property developers, or as self-employed consultants. They can also follow postgraduate studies in related fields such as town planning.

Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
	<p>Once you have the MArch (Professional) degree and have complied with SACAP's practical training requirements, you can register as a professional architect.</p> <p><b>Please note:</b> Prospective students will be notified in December of the outcome of their application, after all the portfolio submissions and interviews have been concluded.</p>				<p>Applicants may be referred for access assessment.</p> <p><i>For more information on the creative portfolio and interview please contact 041 504 2719.</i></p>	<p>Graduates with a BAS who wish to proceed into the MArch (Prof) degree must obtain a minimum of 60% for Design III, or must produce an acceptable creative portfolio after a year's break.</p>

## SCHOOL OF LANGUAGE, MEDIA AND CULTURE

The School of Language, Media & Culture offers students a wide range of programmes in the fields of applied language studies, language & literature, journalism & media studies, public relations management & communication studies.

### National Diploma (NDip)

<b>NDip (Journalism)</b>	<p>This programme is designed to equip candidates with the skills needed to operate as professional journalists in both the print and broadcast media. Students will also have exposure to the technology currently in use in the print and broadcast media. The programme also requires the student to undergo a six-month period of experiential learning as part of the course.</p>	Full-time 3 years	22 - 31	32	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met but a minimum NSC requirement for degree entry is strongly recommended.</li> <li>NSC achievement rating of at least 4 (50-59%) for home language and first additional language, which must include the language subjects to be taken in the diploma, and one of which must be English.</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 3 (40-49%).</li> </ul> <p>All applicants will be required to attend an interview. Applicants may also be provisionally admitted on the basis of work experience, age and maturity. Admission is at the discretion of the Head of Department.</p>	<p>Graduates are employable as print, broadcast and online journalists. They can work in the print news industry as reporters, sub-editors and photojournalists. They can also perform design and layout functions.</p> <p>Graduates are also able to enter the electronic journalism field as radio, television or online news reporters, presenters or camera persons.</p>
<b>NDip (Public Relations Management)</b>	<p>The programme is designed to equip candidates with the knowledge and skills needed to operate as professional public relations practitioners. The programme has been accredited with the Public Relations Institute of South Africa (PRISA).</p> <p>The programme also requires the student to undergo one year of experiential training in order to qualify for the national diploma.</p>	Full-time 3 years	22 - 31	32	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met but a minimum NSC requirement for degree entry is strongly recommended.</li> <li>NSC achievement rating of at least 4 (50-59%) for home language and first additional language, which must include the language subjects to be taken in the diploma, and one of which must be English.</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 3 (40-49%).</li> </ul> <p>Applicants may also be provisionally admitted on the basis of work experience, age and maturity. Admission is at the discretion of the Head of Department.</p>	<p>Public relations practitioners will be able to perform a variety of tasks and functions, such as writing press releases, organising special events, liaising with the media, implementing internal and external communication programmes, lobbying, and conducting opinion research surveys. The list is endless, and will depend upon the kind of company or institution for which the practitioner chooses to work.</p>

### Bachelor of Technology (BTech) (The BTech degree forms the fourth year of study after completing the national diploma)

<b>BTech (Journalism)</b> (subject to availability)	<p>The programme equips students with knowledge and skills in specialist reporting, editorial management and research methodology.</p> <p><b>Take note:</b> This qualification will only be offered if a minimum of 12 students have been accepted.</p>	Full-time 1 year Part-time 2 years			NDip (Journalism) or equivalent qualification.	<p>Graduates are employable as print, broadcast and online journalists. They can work in the print news industry as reporters, sub-editors and photojournalists. They can also perform design and layout functions. Graduates are also able to enter the electronic journalism field as radio, television or online news reporters, presenters or camerapersons.</p>
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Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
<b>BTech (Public Relations Management)</b>	The programme equips students with specialised knowledge and skills in the fields of: <ul style="list-style-type: none"> <li>Public relations • Communication studies</li> <li>Media studies • Research methodology and</li> <li>Management practice.</li> </ul>	Full-time 1 year Part-time 2 years			NDip (Public Relations Management) or equivalent qualification.  An average of 60% for the two majors, Public Relations III and Communication Science III is required.	Public relations practitioners will be able to perform a variety of tasks and functions, such as writing press releases, organising special events, liaising with the media, implementing internal and external communication programmes, lobbying, and conducting opinion research surveys. The list is endless, and will depend upon the kind of company or institution for which the practitioner chooses to work.

#### Bachelor of Arts (BA)

<b>BA</b>	The programme is highly flexible and students can choose one of three possible streams: <ul style="list-style-type: none"> <li>Two languages as majors</li> <li>One language and one social sciences as majors or</li> <li>Two social sciences as majors.</li> </ul> Students can choose two of the following disciplines: <ul style="list-style-type: none"> <li>Anthropology • Afrikaans • Business Management • English</li> <li>English language studies • History • French • Geography</li> <li>Industrial Psychology • isiXhosa • Political Studies</li> <li>Psychology • Public Administration • Sociology</li> </ul> Any other discipline may be taken as a core module, in consultation with the department and programme leader involved. The BA degree enables learners to develop communication, critical thinking and problem-solving skills that will make them flexible global players. The BA also opens up a wide variety of postgraduate study opportunities, allowing students to focus on a particular area and develop specialist expertise.	Full-time 3 years	22 - 31	32	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 4 (50-59%).</li> </ul>	The Bachelor of Arts (BA) programme allows students to choose their subjects and tailor their studies to their interests, aptitudes and career plans. Students who major in teaching subjects can follow their BA degree with a one-year postgraduate certificate in education in order to qualify to teach at high school level.
<b>BA (Media, Communication &amp; Culture)</b>	The programme provides theoretical knowledge and practical skills in communication, arts and culture, language and literature, media and information technology.  Graduates will have high levels of language competence, together with expertise in intercultural communication, practical skills for the communication industry, and the technical know-how to keep pace with the information superhighway.  Courses offered vary from cultural studies (classical and contemporary) to advertising, design, film studies, newspaper and magazine writing. In addition, students may take elective modules such as languages (Afrikaans, English, isiXhosa and French), Philosophy, Web Design, Music Technology, Psychology and Marketing.	Full-time 3 years	29 - 35	36	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 4 (50-59%).</li> </ul>	Communication professionals in fields such as journalism and the mass media, video production, tourism, public relations, design, advertising and corporate communications.

### SCHOOL OF GOVERNMENTAL AND SOCIAL SCIENCES

The School of Governmental and Social Sciences offers students a wide range of programmes in the fields of anthropology, history, political studies, public administration and management, sociology, conflict management and group dynamics. The school also houses various institutes that ensure a strong community alignment and serve as vehicles for training and research.

#### National Diploma (NDip)

<b>NDip (Public Management) Extended Curriculum</b>	This programme provides matriculants who do not qualify for direct entry to mainstream programme but hope to pursue a career in either the public or private sectors, alternative access to the national diploma programme.	Full-time 4 years	22 - 26		<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met. In exceptional cases however, candidates who only meet the minimum NSC requirements for certificate entry may be considered.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Satisfactory performance on the NMMU access assessment test.</li> </ul>	See career opportunities overleaf.
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Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
<b>NDip (Public Management)</b>	The programme trains students for a career in the public sector. The programme is designed in such a way that the student is equipped with administrative and management skills relevant for a career in the private and public sectors.	Full-time 3 years	22 - 26	27	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 3 (40-49%).</li> </ul>	Public managers can act as general, financial or personnel managers at central, provincial and local spheres of government, as well as in related public and parastatal institutions, including the private sector.
<b>Bachelor of Technology (BTech) (The BTech degree forms the fourth year of study after completing the national diploma)</b>						
<b>BTech (Public Management)</b>	The programme equips students with in-depth knowledge in the fields of governmental relations, public accountability, public human resources management, public policy management, research and information management and strategic public management.	Full-time 1 year Part-time 2 years			NDip (Public Management) or equivalent qualification. All BTech students with no Communication in English A (BCE1110) will be required to register for Professional Communication module (ECC4112). BTech students with the BCE1110 credit may be exempted from the ECC4112 module subject to passing the language proficiency test (PPA).	
<b>Bachelor of Arts (BA)</b>						
<b>BA</b>	<p>The School for Governmental &amp; Social Sciences offers students the opportunity to tailor their BA studies to their interests and career plans, focusing on subjects such as Political Science, Public Administration, Sociology, Anthropology, and/or History.</p> <p>Students can choose one of three possible streams:</p> <ul style="list-style-type: none"> <li>Two languages as majors</li> <li>One language and one social sciences as majors or</li> <li>Two social sciences as majors.</li> </ul> <p>Any other discipline may be taken as a core module, in consultation with the department and programme leader involved.</p> <p>The BA degree enables learners to develop communication, critical thinking and problem-solving skills that will make them flexible global players. The BA also opens up a wide variety of postgraduate study opportunities, allowing students to focus on a particular area and develop specialist expertise.</p> <p>The BA programme is highly flexible and students may also include other disciplines such as Psychology, Industrial Psychology, Philosophy, Geography or language studies.</p>	Full-time 3 years	22 - 31	32	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 4 (50-59%).</li> </ul>	Anthropologist, historian, archivist, socio-cultural and culture-historical curator and consultant, cultural tourism, manager, teacher, trainer, negotiator/mediator, social and political analyst, researcher and academic.
<b>Bachelor of Administration (BAdmin)</b>						
<b>BAdmin (Public Administration)</b>	<p>The Bachelor of Administration (BAdmin) is a multi-faceted and comprehensive programme which aims to develop excellence in the practice and analysis of public administration, industrial psychology, sociology, business management, and political studies.</p> <p>Students may choose from one of four streams, according to their interests. Public Administration is common to all four streams and learners choose an additional specialisation in Industrial Psychology, Sociology, Business Management or Political Studies.</p>	Full-time 3 years	22 - 31	32	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 4 (50-59%).</li> </ul>	Depending on the area of specialisation, learners will be equipped for careers in administrative and management divisions of the public and private sectors such as, facilitators, psychologists and human relations practitioners and in consultancy, entrepreneurship, non-government organisations and community-based organisations.

Columns marked with an asterisk (\*) indicate the minimum requirements for admission to a programme. Should you not meet these requirements but fall within the APS testing band you may be referred to write an access assessment test before an admissions decision is made.

# Faculty of Business & Economic Sciences

*Managing tomorrow*

The Faculty of Business and Economic Sciences offers a solid academic core focusing on the science of business and economics, complemented by a strong practical focus on the real world of business, to get budding entrepreneurs out into the marketplace. The faculty consists of five schools, each of them offering a wide range of business-related study opportunities that vary from general formative programmes to programmes with a strong career orientation. Whether it is the Chartered Accounting programme or the reputable MBA – this faculty is managing tomorrow.

## School of Accounting

Department of Accounting Sciences

Department of Applied Accounting

## School for Economics, Development and Tourism

Department of Economics

Department of Development Studies

Department of Tourism

## School of Industrial Psychology and Human Resources

Department of Human Resource Management

Department of Industrial & Organisational Psychology

Labour Relations & Human Resources Unit

## School of Management Sciences

Department of Business Management

Department of Management & Entrepreneurship

Department of Logistics

Department of Marketing Management

## Business School

Graduate School

Leadership Academy

## George Campus

Accounting

Business Management

Economics

Management

Marketing

Tourism Management

### Admissions offices

Port Elizabeth campuses: 041 504 1111

George Campus: 044 801 5111

### Faculty administration

041 504 2120 / 3802

**business.nmmu.ac.za**  
**admissions@nmmu.ac.za**  
**info@nmmu.ac.za**





Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
<b>Higher Certificate (HCert)</b>						
<b>HCert (Business Studies)</b>	<p>The purpose of this qualification is to equip students with the necessary knowledge and skills related to the business environment to make them more employable and to also widen access to selected national diploma qualification(s).</p> <p>Students who successfully complete this Higher Certificate qualification and comply with the set admission requirements may proceed to one of the following national diplomas in the field of: Economics, Marketing, Logistics, Management or Tourism management.</p>	Full-time 1 year	Must meet APS directly	22	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for higher certificate entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 3 (40-49%).</li> </ul>	The same as for three-year National Diploma in a chosen field.
<b>National Diploma (NDip)</b>						
<b>NDip (Extended Curriculum)</b> <i>*(also offered in George Campus)</i>	<p>The extended curriculum programme for NDip studies provides alternative university access to students who have the potential to succeed, but do not meet the minimum admission requirements for the mainstream programme.</p> <p>The purpose of the programme is to integrate additional academic support and skills development with mainstream courses in order to prepare the student for successful completion of the relevant National Diploma.</p> <p>The following NDip extended curriculum qualifications are offered:</p> <ul style="list-style-type: none"> <li>Economics</li> <li>Logistics</li> <li>Management*</li> <li>Marketing*</li> <li>Tourism Management*</li> </ul>	Full-time 4 years	22 - 29		<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met. In exceptional cases however candidates who only meet the minimum NSC requirements for certificate entry may be considered.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 5 (60-69%).</li> </ul> <p>Candidates must perform satisfactorily in the NMMU access assessment test.</p>	The same as for three-year National Diploma in a chosen field.
<b>Dip (Accountancy)</b>	This programme equips students with career-orientated knowledge and skills for a career in accountancy as applied in commerce and industry.	Full-time 3 years Part-time 5 years	22 - 31	32	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 4 (50-59%) or Mathematical Literacy 6 (70-79%).</li> </ul>	Careers in accounting (e.g. accountant, internal auditor, cost accountant, financial and management accountant, tax consultant).
<b>Dip (Economics)</b>	The objective of this programme is to educate persons with an interest in economics to pursue careers in assisting economic research and economic report writing in public and private sector institutions; the latter including, among others, economic journalism.	Full-time 3 years	22 - 29	30	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 6 (70-79%).</li> </ul>	Fields where economists are required include: finance and trade, labour and development, transport, agriculture, mining, manufacture, industry and marketing, banking, assurance and insurance companies, real estate.
<b>NDip (Human Resource Management) Extended Curriculum</b>	<p>This programme offers an integrated solution to the problems of an under-prepared matriculant wanting to study in the field of human resource management.</p> <p>Applicants who do not qualify for the National Diploma (Human Resource Management) may be admitted to the extended programme.</p>	Full-time 4 years	22 - 29		<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met. In exceptional cases however, candidates who only meet the minimum NSC requirements for certificate entry may be considered.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> </ul> <p>Candidates must perform satisfactorily in the NMMU access assessment test.</p>	See career opportunities overleaf.

Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
<b>NDip (Human Resource Management)</b>	This programme equips the student for a career in the fields of human resource management, industrial relations, training management, personnel management and the broad field of general management.	Full-time 3 years Part-time 4 years	22 - 29	30	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 3 (40-49%).</li> </ul> <p>Registration for the language course for this diploma, Communication in English A, requires that the candidate has passed the English Placement Test.</p>	Human resource officer, industrial relations officer, training officer, supervisory/management trainee positions.
<b>NDip (Inventory Management)</b>	This programme provides students with the knowledge and skills necessary for the optimum performance of those activities concerned with the flow of materials to and from the manufacturing or user departments.	Full-time 3 years	Must meet APS directly	25	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 3 (40-49%).</li> </ul>	Stores or warehouse manager, materials handling manager, distribution planner/manager, inventory controller, materials manager.
<b>NDip (Logistics)</b>	This programme provides the student with the broad expertise necessary to assume responsibility for effective and efficient planning, organising, implementation and control of the logistics activities which are required to supply goods and services of the right quality to users within the supply chain at optimum cost.	Full-time 3 years Part-time 4 years	22 - 29	30	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 3 (40-49%).</li> </ul>	Purchaser or logistics manager, buyer, supply chain manager, expeditor, materials controller, production planner, bill-of-material specialist, materials requirement planner, export/import controller.
<b>NDip (Management)*</b> (also offered in George Campus)	This programme prepares students for the demands of a management position. Students who complete this diploma will be in an excellent position to manage their own business.	Full-time 3 years	22 - 29	30	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 3 (40-49%).</li> </ul>	Job opportunities exist in the fields of administrative, financial, production and personnel management.
<b>NDip (Marketing)*</b> (also offered in George Campus)	This diploma is acknowledged as a solid entrance-level qualification to the exciting global marketing arena. What sets this popular programme aside is its dynamic career dedicated slant. Students are exposed to relevant, exciting and broad-based career training options. The skills and knowledge obtained are in tune with the needs of both commerce and industry.	Full-time 3 years Part-time 4 years	22 - 29	30	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 3 (40-49%).</li> </ul>	Advertising, personal selling and sales management, product and brand management, customer relationship management, merchandising, wholesaling and retail marketing, media management, direct response marketing, marketing communications, public relations / promotions, marketing research, marketing administration and planning, marketing forecasting and analysis, international / export marketing, small business marketing.
<b>NDip (Tourism Management)*</b> (also offered in George Campus)	This programme prepares students for an exciting career in the tourism industry. The programme is intense and covers a wide spectrum of both skills-based training and knowledge that is critical for the tourism industry. This programme is highly sought after as it caters for students seeking employment opportunities in various sectors of the tourism industry.	Full-time 3 years	22 - 29	30	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 3 (40-49%).</li> </ul> <p>Interest questionnaires must also be completed by applicants.</p>	Employment opportunities in various sectors: transport (airlines, sea travel companies, car hire), travel services (travel agencies, tour operators, information bureaux), hospitality services (hotels, guesthouses) and attractions (national parks, theme parks, conference centres).

Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
<b>Bachelor of Technology (BTech) (The BTech degree forms the fourth year of study after completing the national diploma)</b>						
<b>BTech (Business Administration)</b>	This programme equips managers with the knowledge and skills for promotion to a senior management position.	Full-time / Part-time over 5 trimesters			M+3 qualification, ie. a three-year diploma or a university degree or an equivalent SAQA-approved qualification. A minimum of three years relevant working experience (ie. experience of managing a business or a department at senior supervisory or junior management level and/or work experience within a business environment).  Applicants will be required to undergo a selection process, which will include testing and an interview.	This programme equips managers with the knowledge and skills for promotion to a senior management position.
<b>BTech (Cost &amp; Management Accounting)</b>	This programme equips students for careers requiring advanced knowledge of cost and management accounting and skills in financial accounting.  <b>Take note:</b> Graduates are eligible to apply for membership of the South African Institute of Professional Accountants (SAIPA) after having completed three years of practical training in the accounting field.	Full-time 1 year Part-time 2 years			NDip (Cost and Management Accounting).	Cost and management accountants. Work opportunities exist in commerce and industry, the public sector, municipalities, mining companies, and as consultants and lecturers at educational institutions.
<b>BTech (Financial Information Systems)</b>	This programme equips students with the knowledge and skills for a career in the computerised financial environment.	Full-time 1 year Part-time 2 years			NDip (Financial Information Systems).	Financial / management information systems analyst, financial analyst, internal auditor, financial accountant, managerial accountant, management information systems manager, internal audit manager, financial manager.
<b>BTech (Human Resource Management)</b>	This programme equips managers with the knowledge and skills for promotion to a senior managerial position in the field of human resource management.	Full-time 1 year Part-time 2 years			NDip (Human Resource Management) or applicable B degree with Industrial Psychology as major subject. All applicants will need to undergo an interview with a selection panel.	HR specialist practitioner, HR manager, change agent, human behaviour specialist, mediator, administrator, advisor.
<b>BTech (Internal Auditing)</b>	This programme equips students with knowledge and skills in respect of financial accounting, managerial accounting, corporate governance, risk, risk assessment and risk based internal audit management.  This qualification provides access to the internationally recognised professional qualification of the Institute of Internal Auditors (IIA), the Certified Internal Auditor (CIA).  <b>Take note:</b> Graduates are also eligible to apply for membership of the South African Institute of Professional Accountants (SAIPA) after having completed three years of practical training in the accounting field.	Full-time 1 year Part-time 2 years			NDip (Internal Auditing).	Senior Internal auditors.
<b>BTech (Logistics)</b>	This programme provides the student with the broad expertise necessary to assume responsibility for effective and efficient planning, organising, implementation and control of the logistics activities which are required to supply the needed goods and services of the right quality to users within the supply chain at optimum cost.	Full-time 1 year Part-time 2 years			NDip (Logistics) with an average of 60% for the subjects Logistics III and Purchasing Management III, with a sub-minimum of 55% in each of the two subjects.	Purchaser or logistics manager, buyer, supply chain manager, expeditor, materials controller, production planner, bill-of-material specialist, materials requirement planner, export/import controller.
<b>BTech (Management)</b>	This programme equips students with key competencies and skills for problem solving and decision making in managerial situations.	Full-time 1 year Part-time 2 years			NDip (Management) or equivalent qualification.	Senior management positions.
<b>BTech (Marketing)*</b> (also offered in George Campus)	This programme equips students with more advanced skills and competencies at a strategy development and application level.	Full-time 1 year Part-time 2 years			NDip (Marketing) or equivalent qualification.	Advertising, personal selling and sales management, product and brand management, customer relationship management, merchandising, wholesaling and retail marketing, media management, direct response marketing, marketing communications, public relations / promotions, marketing research, marketing administration and planning, marketing forecasting and analysis, international / export marketing, small business marketing.



Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
<b>BTech (Tourism Management)*</b> (also offered in George Campus)	This programme prepares students with critical competencies required in the tourism industry at managerial level and beyond, given the robust nature of the tourism industry.	Full-time 1 year Part-time 2 years			NDip (Tourism Management) with an average of 60% in all major subjects at third-year level or alternatively appropriate work experience, should the candidate not have attained an average of 60% for all subjects.	Employment opportunities in various sectors: transport (airlines, sea travel companies, car hire), travel services (travel agencies, tour operators, information bureaus), hospitality services (hotels, guesthouses) and attractions (national parks, theme parks, conference centres).
<b>Bachelor of Commerce (BCom)</b>						
<b>BCom Extended Curriculum</b> (also offered in George Campus)	The extended curriculum programme for BCom studies provides alternative university access to students who have the potential to succeed, but do not meet the minimum admission requirements for the mainstream programme.  The purpose of the programme is to integrate additional academic support and skills development with mainstream courses in order to prepare the student for successful completion of the BCom degree.  The following BCom extended curriculum qualifications are offered: <ul style="list-style-type: none"> <li>Accounting for Chartered Accountants*</li> <li>General Accounting &amp; Related Subjects*</li> <li>Business Management*</li> <li>Financial Planning</li> <li>Economics*</li> <li>Information Systems</li> </ul>	Full-time 4 years	28 - 37		<ul style="list-style-type: none"> <li>Minimum NSC requirements for degree entry must be met. In exceptional cases, candidates who do not meet the statutory requirements for admission to the Bachelor's degree, but perform very well in the access assessment test may be considered for Senate discretion admission.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 3 (40-49%)</li> </ul> <p>Candidates must perform satisfactorily in the NMMU access assessment test.</p>	The same as for the three-year BCom degree in a chosen field.
<b>BCom: General (Business Management)*</b> (also offered in George Campus)	This programme opens up a wide variety of career options in the business world and includes fields such as entrepreneurship, business environments, marketing and strategic management.	Full-time 3 years Part-time 5 years	28 - 37	38	<ul style="list-style-type: none"> <li>Minimum NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 4 (50-59%) or Mathematical Literacy 7 (80% and above).</li> </ul> <p>If an applicant presents with Mathematical Literacy instead of Mathematics, he/she could be placed in an extended programme or additional modules may be added which could extend the length of the course.</p>	Banker, business manager, financier, economist, industrial psychologist, human resources manager, marketing manager, training manager, teacher, statistician, financial manager, accountant, insurance broker, mathematician, management consultant, auditor, law advisor, labour relations expert, income tax consultant, small business consultant or an entrepreneur.
<b>BCom: General (Economics)*</b> (also offered in George Campus)	This programme opens up a wide variety of career options in the business world and includes fields such as entrepreneurship, business environments, marketing and strategic management.	Full-time 3 years Part-time 5 years	28 - 37	38	<ul style="list-style-type: none"> <li>Minimum NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 4 (50-59%) or Mathematical Literacy 7 (80% and above).</li> </ul> <p>If an applicant presents with Mathematical Literacy instead of Mathematics, he/she could be placed in an extended programme or additional modules may be added which could extend the length of the course.</p>	Banker, business manager, financier, economist, industrial psychologist, human resources manager, marketing manager, training manager, teacher, statistician, financial manager, accountant, insurance broker, mathematician, management consultant, auditor, law advisor, labour relations expert, income tax consultant, small business consultant or an entrepreneur.
<b>BCom: General (Statistics)</b>	This programme opens up a wide variety of career options in the business world and includes fields such as entrepreneurship, business environments, marketing and strategic management. The statistic option prepares students for a career in banking and other business statistical related fields.	Full-time 3 years	28 - 37	38	<ul style="list-style-type: none"> <li>Minimum NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 4 (50-59%)</li> </ul>	Banker, business manager, financier, economist, industrial psychologist, human resources manager, marketing manager, training manager, teacher, statistician, financial manager, accountant, insurance broker, mathematician, management consultant, auditor, law advisor, labour relations expert, income tax consultant, small business consultant or an entrepreneur.

Columns marked with an asterisk (\*) indicate the minimum requirements for admission to a programme. Should you not meet these requirements but fall within the APS testing band you may be referred to write an access assessment test before an admissions decision is made.

Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
<b>BCom: General (Accounting &amp; Related subjects)</b> (also offered in George Campus)	This programme is offered for students wishing to major in accounting, auditing, taxation and management accounting. The accounting programme is intended for students who do <b>not</b> wish to qualify as Chartered Accountants but who may wish to join the other professional institutes such as the Institute of Internal Auditors (IIA), the Association of Chartered Certified Accountants (ACCA) and the South African Institute of Professional Accountants (SAIPA) and those who do not wish to become professional accountants yet wish to include accountancy subjects as majors in their degree.	Full-time 3 years Part-time 5 years	28 - 37	38	<ul style="list-style-type: none"> <li>Minimum NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 4 (50-59%) or Mathematical Literacy 7 (80% and above).</li> </ul> <p>If an applicant presents with Mathematical Literacy instead of Mathematics, he/she could be placed in an extended programme or additional modules may be added which could extend the length of the course.</p>	This programme is intended for those planning careers in the field of accounting, but who do not intend to qualify as a chartered accountant.  Possible career opportunities include: accountant, financial manager and management accountant.
<b>BCom: General (Tourism)*</b>	<p>This programme is aimed at students who wish to specialise in the field of Tourism on second and third year level. During the first year of study, students are able to obtain a solid foundation in key modules in the field of commerce, such as Business Management and Economics. During the second year students can elect to enroll for specific modules such as Tourism as an Economic Activity, Business Functions in the Tourism Industry and Tourism Marketing. The module, Tourism Work Experience, enables students to gain practical work experience within the Tourism Industry. On third year level, the following modules are offered: Cultural and Heritage Tourism, Ecotourism, and Events and Hospitality Management.</p> <p><i>* Please note that the admission requirements listed for this specific qualification may change during the year, please consult the admission office before applying.</i></p>	Full-time 3 years	28 - 37	38	<ul style="list-style-type: none"> <li>Minimum NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 4 (50-59%) or Mathematical Literacy 6 (70-79%).</li> </ul> <p>If an applicant presents with Mathematical Literacy instead of Mathematics, he/she could be placed in an extended programme or additional modules may be added which could extend the length of the course.</p>	The degree prepares students to work in the private and public sector of the Tourism Industry. Students can explore avenues in various fields such as: tour operations, tourism planning and consulting, various entrepreneurial opportunities, destination marketing and planning, event management, tourism management and planning within government departments.
<b>BCom (Accounting for Chartered Accountants)*</b> (also offered in George Campus)	<p>This programme is prescribed for candidates who intend to qualify as a chartered accountant (CA). The programme focuses on financial accounting, auditing, taxation and management accounting. Graduates of this programme need to complete a Bachelor Honours degree in Accounting followed by a period of practical training and professional examinations in order to register as Chartered Accountants (SA).</p> <p>NMMU is well-known for the excellent results which its graduates achieve in the professional qualifying examinations, and for the high employment rate of its graduates.</p>	Full-time 3 years Part-time 5 years	30 - 37	38	<ul style="list-style-type: none"> <li>Minimum NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 5 (60-69%)</li> </ul>	Chartered accountant, registered auditor.
<b>BCom (Business Studies)</b>	<p>This BCom degree focuses specifically on the adult learner with work experience and incorporates strategies to integrate learning back into the workplace. This qualification offers the learner a relevant mix of practical skills and comprehensive knowledge in the field of management.</p> <p>Students who discontinue their studies after year 1 may qualify for the Advanced Leadership Certificate, provided they have met all the requirements.</p> <p>Students who have met all requirements for the first two years of study, in addition to meeting other specified requirements, may qualify for the Diploma in Management Development.</p>	Minimum of 5 years of part-time study (after hours)			<p>Candidates must comply with the admission requirements applicable to degree studies.</p> <p>Candidates must be in possession of a first degree or diploma in any discipline or have prior learning experience, namely five years' work experience with a minimum of three years' managerial or supervisory experience.</p>	This degree equips professionals in the public and private sectors with managerial expertise, leadership competence and administrative proficiency at a middle management level.
<b>BCom (Computer Science &amp; Information Systems)</b>	Computer Science and Information Systems graduates from NMMU are highly sought-after by local and international IT companies. This curriculum combines Computer Science with essential subjects for the business world, such as accounting, business management and economics. New modules in Computer Science & Information Systems focus on e-commerce, web technology and multimedia.	Full-time 3 years	28 - 37	38	<ul style="list-style-type: none"> <li>Minimum NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 4 (50-59%)</li> </ul>	Apart from jobs in the industry such as programmers, network specialists and project managers, new and exciting careers have emerged such as internet specialists, web developers, and business analysts.

Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
<b>BCom (Economics &amp; Statistics)</b>	This programme provides for majors in Economics, Economic Statistics, Accounting, Business Management, Computer Science & Information Systems or Mathematics.	Full-time 3 years	28 - 37	38	<ul style="list-style-type: none"> <li>Minimum NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 4 (50-59%)</li> </ul>	Economist, financial and statistical analyst, financial consultant.
<b>BCom (Financial Planning)</b>	<p>This programme is tailor-made to meet the needs of learners in the financial planning sector who require both management and specialist knowledge and skills. NMMU, in co-operation with the Financial Planning Institute of Southern Africa (FPI), is the first academic institution to offer a formal BCom degree in financial planning, giving access to membership of the FPI.</p> <p>The FPI is the professional certification body for the financial planning industry in Southern Africa, carrying an international recognition by the Certified Financial Planner Board of Standards Incorporated. The successful completion of the BCom (Financial Planning) programme leads to a professional qualification, Associate Financial Planner (AFP), awarded by the FPI.</p>	Full-time 3 years	28 - 37	38	<ul style="list-style-type: none"> <li>Minimum NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 4 (50-59%) or Mathematical Literacy 7 (80% and above).</li> </ul> <p>If an applicant presents with Mathematical Literacy instead of Mathematics, he/she could be placed in an extended programme or additional modules may be added which may extend the length of the course.</p>	Financial advisor, financial planner, financial services industry, banks and insurance companies.
<b>BCom (Industrial Psychology &amp; Human Resource Management)</b>	<p>This programme combines Industrial Psychology and Human Resource Management with subjects such as Business Management, Accounting, Economics, Law and Labour Relations.</p> <p>NMMU's Department of Industrial and Organisational Psychology is registered with the Health Professions Council as a training facility for industrial psychologists, and is accredited by the SA Board for Personnel Practice.</p>	Full-time 3 years	28 - 37	38	<ul style="list-style-type: none"> <li>Minimum NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 4 (50-59%) or Mathematical Literacy 7 (80% and above).</li> </ul> <p>If an applicant presents with Mathematical Literacy instead of Mathematics, additional modules may be added which may extend the length of the course.</p>	Human resource practitioner, personnel consultant / manager, training manager, labour relations manager, marketing practitioner or an industrial psychologist.
<b>BCom (Information Systems)</b>	<p>This programme covers the application of computers to such areas as business management, finance, production, marketing, administration, distribution and auditing. Students learn about business systems ranging from those used for transactions processing to those used for logistical and strategic decision making. This programme is a dual major. Students major in Information Systems (IS) and Computer Science and a choice of:</p> <ul style="list-style-type: none"> <li>Accounting</li> <li>Auditing or</li> <li>Business Management</li> </ul>	Full-time 3 years	28 - 37	38	<ul style="list-style-type: none"> <li>Minimum NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 4 (50-59%)</li> </ul>	Graduates can pursue roles in the application and management of computer systems in business. They are also equipped to pursue a wide range of careers in information systems such as business and database programming, business and systems analysis, financial modeling, project management and enterprise resource planning (ERP) consulting.
<b>BCom (Law)</b>	This curriculum caters for students planning a career in the business, commerce or the legal profession. It combines law subjects with a major in Business Management, Accounting or Economics. After completing this curriculum, the student may register for a two-year LLB degree.	Full-time 3 years	28 - 37	38	<ul style="list-style-type: none"> <li>Minimum NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 4 (50-59%) or Mathematical Literacy 7 (80% and above).</li> </ul> <p>If an applicant presents with Mathematical Literacy instead of Mathematics, additional modules may be added which may extend the length of the course.</p>	Corporate legal advisor, lawyer.
<b>BCom: HMS (Sport &amp; Recreation Management)</b>	<p>Students interested in a career combining sport and business can follow a programme with majors in Human Movement Science and a choice of Economics, Business Management or Accounting.</p> <p>This degree focuses on aspects such as:</p> <ul style="list-style-type: none"> <li>Business management</li> <li>Sport management</li> <li>Marketing</li> <li>Sport psychology</li> <li>Physiology of exercise and performance</li> </ul> <p>This programme can also lead to postgraduate study in biokinetics and registration with the Health Professions Council as a professional Biokineticist or to a career in sport management anywhere in the world.</p>	Full-time 3 years	28 - 37	38	<ul style="list-style-type: none"> <li>Minimum NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 4 (50-59%) or Mathematical Literacy 7 (80% and above).</li> <li>Satisfactory medical report.</li> </ul> <p>If an applicant presents with Mathematical Literacy instead of Mathematics, additional modules may be added which may extend the length of the course.</p>	Sport manager, recreation manager, sport events organiser, sport marketing.

Columns marked with an asterisk (\*) indicate the minimum requirements for admission to a programme. Should you not meet these requirements but fall within the APS testing band you may be referred to write an access assessment test before an admissions decision is made.



Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
<b>BCom: Marketing Management (Business Management &amp; Accounting)*</b>	<p>The BCom in Marketing Management is your entry to the exciting world of marketing. Learn how to build brands, drive advertising campaigns and tap into the power of e-commerce and use your knowledge and skills in a career that opens up opportunities worldwide.</p> <p>Students will gain a solid foundation in <b>business management</b>, and the know-how to develop innovative and effective marketing solutions. In addition to in-depth marketing, business and financial management knowledge and skills, a second major in <b>accounting</b> equips graduates with additional capabilities and widens their career possibilities.</p>	Full-time 3 years	28 - 37	38	<ul style="list-style-type: none"> <li>Minimum NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 4 (50-59%) or Mathematical Literacy 7 (80% and above).</li> </ul> <p>If an applicant presents with Mathematical Literacy instead of Mathematics, additional modules may be added which may extend the length of the course.</p>	Marketing management, market researcher or product development, brand management, advertising, communication manager or customer relations manager, promotions, retailing, merchandising, direct response marketing and personal selling.
<b>BCom: Marketing Management (Business Management &amp; Economics)*</b>	<p>The BCom in Marketing Management is your entry to the exciting world of marketing. Learn how to build brands, drive advertising campaigns and tap into the power of e-commerce and use your knowledge and skills in a career that opens up opportunities worldwide.</p> <p>Students will gain a solid foundation in <b>business management</b>, and the know-how to develop innovative and effective marketing solutions. In addition to in-depth marketing, business and financial management knowledge and skills, a second major in <b>economics</b> equips graduates with additional capabilities and widens their career possibilities.</p>	Full-time 3 years	28 - 37	38	<ul style="list-style-type: none"> <li>Minimum NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 4 (50-59%) or Mathematical Literacy 7 (80% and above).</li> </ul> <p>If an applicant presents with Mathematical Literacy instead of Mathematics, additional modules may be added which may extend the length of the course.</p>	Marketing management, market researcher or product development, brand management, advertising, communication manager or customer relations manager, promotions, retailing, merchandising, direct response marketing and personal selling.
<b>BCom: Marketing Management (Business Management &amp; Industrial Psychology)*</b>	<p>The BCom in Marketing Management is your entry to the exciting world of marketing. Learn how to build brands, drive advertising campaigns and tap into the power of e-commerce and use your knowledge and skills in a career that opens up opportunities worldwide.</p> <p>Students will gain a solid foundation in <b>business management</b>, and the know-how to develop innovative and effective marketing solutions. In addition to in-depth marketing, business and financial management knowledge and skills, a second major in <b>industrial psychology</b> equips graduates with additional capabilities and widens their career possibilities.</p>	Full-time 3 years	28 - 37	38	<ul style="list-style-type: none"> <li>Minimum NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 4 (50-59%) or Mathematical Literacy 7 (80% and above).</li> </ul> <p>If an applicant presents with Mathematical Literacy instead of Mathematics, additional modules may be added which may extend the length of the course.</p>	Marketing management, market researcher or product development, brand management, advertising, communication manager or customer relations manager, promotions, retailing, merchandising, direct response marketing and personal selling.
<b>BCom (Hospitality Management)*</b> (offering subject to SAQA registration)	<p>The BCom in Hospitality Management degree programme has been designed to meet the growing managerial needs of the Southern African hospitality market place. While students will get the opportunity to develop practical and operational expertise in the industry, the degree programme aims to provide students with a comprehensive education in aspects of economics, business management, financial accounting, information systems and logistics, operations and marketing management, with particular reference to hospitality and tourism establishments.</p> <p><b>Please note</b> that the admissions requirements for this specific qualification may change during the year, please consult the admissions office before applying.</p>	Full-time 3 years	28 - 37	38	<ul style="list-style-type: none"> <li>Minimum NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 4(50-59%) or Mathematical Literacy 6 (70-79%).</li> </ul>	Hospitality Management aims to provide students with in-depth knowledge, a thorough understanding and associated skills of the hospitality industry sector (hotels, accommodation management bars, restaurants food and beverage management, event management) in order to fulfil first and second tier management roles. It also is intended to develop and manage a multinational career and become a leader in the hospitality industry sector.

Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
<b>Bachelor in Commerce (Rationum) – BCom(Rat)</b>						
<b>This four-year degree includes the courses found in the BCom degree for chartered accountants but enables the student to include an additional major course. This additional major could be one of Business Management or Economic Sciences (Curriculum 1); Law (Curriculum 2) or Computer Science and Information Systems (Curriculum 3).</b>						
<b>BCom: Rat (Economics/ Business Management)</b>	This programme provides candidates who wish to qualify as Chartered Accountants (SA) with the opportunity of an additional major in Economics or Business Management. After completing this degree, students may proceed to the BCom Honours (Accounting) degree, and then to the professional examinations administered by the South African Institute of Chartered Accountants and complete a three-year training contract, in order to qualify as chartered accountants.	Full-time 4 years	30 - 37	38	<ul style="list-style-type: none"> <li>Minimum NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 5 (60-69%)</li> </ul>	Chartered accountant with additional specialist skills in the field of economics and business management.
<b>BCom: Rat (Law)</b>	This programme provides candidates who wish to qualify as Chartered Accountants (SA) with the opportunity of an additional major in Law. Graduates who followed the Law curriculum can also proceed to LLB studies with a view to entering the legal profession. After completing this degree, students may proceed to the BCom Honours (Accounting) degree, and then to the professional examinations administered by the South African Institute of Chartered Accountants and complete a three-year training contract, in order to qualify as chartered accountants.	Full-time 4 years	30 - 37	38	<ul style="list-style-type: none"> <li>Minimum NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 5 (60-69%)</li> </ul>	Chartered accountant or registered auditors with additional specialist skills in law.
<b>BCom: Rat (Computer Science &amp; Information Systems)</b>	This programme provides candidates who wish to qualify as Chartered Accountants (SA) with the opportunity of an additional major in Computer Science and Information Systems. After completing this degree, students may proceed to the BCom Honours (Accounting) degree, and then the professional examinations administered by the South African Institute of Chartered Accountants and complete a three-year training contract, in order to qualify as chartered accountants.	Full-time 4 years	30 - 37	38	<ul style="list-style-type: none"> <li>Minimum NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 5 (60-69%)</li> </ul>	Chartered accountant with additional specialist skills in the information technology environment. Apart from jobs in the industry such as programmers, network specialists and project managers, new and exciting careers have emerged such as internet specialists, web developers, and business analysts.
<b>Bachelor of Arts (BA)</b>						
<b>BA (Human Resource Management)</b>	This programme provides sound theoretical knowledge of human resource practice, labour relations, labour law, business and management, combined with hands-on practical skills in conflict management, research, and stress management, organisational behavior, consumer behavior, rewards management and staffing. Industrial psychology forms the core of the programme. NMMU's Department of Industrial and Organisational Psychology is registered with the Health Professions Council as a training facility for industrial psychologists, and is accredited by the SA Board for Personnel Practice.	Full-time 3 years	26 - 35	36	<ul style="list-style-type: none"> <li>Minimum NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 4 (50-59%).</li> </ul>	Human resource practitioners, personnel consultant, industrial psychologist, marketing practitioner or labour relations manager, trainers or managers in local, regional and national government, small, medium and large businesses, or non-government organisations.
<b>BA (Development Studies)</b>	This programme is an inter-disciplinary programme providing you with a foundation in development and economics. It aims to provide students with a sound theoretical grounding in the principals and practices of economic development as it pertains to: <ul style="list-style-type: none"> <li>Policy;</li> <li>Research of policy and ;</li> <li>Implementation of policy in a development context.</li> </ul> <p><b>Please note that elective modules will only be offered provided there is a minimum of 10 students for each module.</b></p>	Full-time 3 years	22 - 31	32	<ul style="list-style-type: none"> <li>Minimum NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 4 (50-59%).</li> </ul>	Development consultants, economist & development economists, development finance and banking, development planning officers.  Career opportunities within institutions such as: the Development Bank of Southern Africa, the African Development Bank, the World Bank, the UN Development programme, UNICEF, World Vision, OXFAM, Operation Hunger.

# Faculty of Education

*Guiding tomorrow*

## **Admissions offices**

Port Elizabeth campuses: 041 504 1111

George Campus: 044 801 5111

## **Faculty administration**

041 504 2125 / 4568

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**[info@nmmu.ac.za](mailto:info@nmmu.ac.za)**

For those with a passion for nurturing future generations, there's the Faculty of Education with its reputation for producing well-rounded, morally-grounded graduates. Those with a heart for teaching receive plenty of hands-on experience as part of the programme as well as extensive bursaries and employment opportunities. If you are an aspiring teacher, rest assured that we'll send you out fully equipped for guiding tomorrow.

School for Initial Teacher Education

School for Continuing Professional Development

School for Education Research and Engagement





Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
<b>Bachelor of Education (BEd)</b>						
<b>BEd: Foundation Phase (Grades R-3)</b>	This programme provides prospective teachers with knowledge of the three learning programmes (literacy, numeracy and life skills) as well as the skills to integrate all learning areas into these learning programmes. The programme emphasises hands-on classroom competencies and the production of teaching and learning media. In the first three years various academic and professional subjects/modules provide background knowledge for teaching with planned and site-based learning opportunities for observation and practical teaching. The fourth year consists largely of site-based learning and incorporates an element of research.	Full-time 4 years	26 - 33	34	<ul style="list-style-type: none"> <li>Minimum NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 4 (50-59%).</li> </ul>	Foundation phase teacher – Grades R - 3 (previously called a junior primary teacher).
<b>BEd: Intermediate Phase (Grades 4-6)</b> <b>Focusing on:</b> <b>Language option</b> <b>or</b> <b>Science &amp; Mathematics</b>	This programme provides prospective teachers with knowledge of the learning areas they will teach in the Intermediate Phase – Grades 4 to 6, as well as practical and professional training in the relevant learning programmes or methodologies. The programme is rooted in a strong theoretical and practical base that enables successful students to critically construct their own theories of teaching and learning that emphasises the effective application of hands-on classroom competencies. During this four-year course students will be exposed to various subjects that will provide the knowledge to support the hands-on classroom competencies. Students engage with relevant teaching methodologies, related theory and apply during periods of school-based observation and a final year of compulsory teaching practice in schools.	Full-time 4 years	26 - 33	34	<ul style="list-style-type: none"> <li>Minimum NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 4 (50-59%).</li> </ul>	Intermediate phase teacher – Grades 4 - 6 (previously called a senior primary teacher).
<b>BEd: Further Education &amp; Training</b>  <b>FET Band:</b> <b>Economic &amp; Management Sciences (focusing on two of: Accounting, Business Studies, Economics)</b>  <b>or</b> <b>Natural Sciences (focusing on two of: Mathematics, Physical Science and Life Sciences)</b>	<p>This programme provides prospective teachers with knowledge of two or more subjects they will teach in the Further Education and Training (FET) Phase (Grades 10 - 12), as well as practical and professional training in the relevant learning programmes and methodologies. Students are exposed to relevant teaching methodologies and related educational theory in years one to three.</p> <p>They are introduced to school-based classroom experience from the second year, while the fourth year comprises a full academic year of site-based learning, incorporating an element of research.</p> <p>Students will study two academic subjects in years one to three with an additional academic subject on first-year level that provides the background knowledge for teaching.</p>	Full-time 4 years	26 - 33	34	<ul style="list-style-type: none"> <li>Minimum NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>NSC achievement rating of at least 3 (40-49%) for the subject of specialisation (Physical Sciences, or Mathematics, or Accounting).</li> </ul> <p>The faculty can call candidates for admission interviews before final acceptance into the programme.</p> <p>Applicants may also be provisionally admitted on the basis of work experience, age and maturity or an N4 Certificate with the relevant subject.</p>	Economic and Management Sciences teacher (two of either Accounting, Business Studies, Economics and Mathematics); or Natural Sciences teacher (two of Mathematics, Physical Science and Life Sciences).

Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
<b>BA, BCom, BSc plus Postgraduate Certificate in Education (PGCE)</b>	Students who want to become high school teachers may also qualify by obtaining a BA, BCom or BSc degree with teaching subjects as majors, as well as a Postgraduate Certificate in Education (PGCE).	Full-time 3 years for bachelor's degree plus full-time 1 year for PGCE (in at least two teaching subjects)			Candidates must comply with the admission requirements applicable to the bachelor's degree of their choice (please see programme listing of the relevant faculty).	High school teacher.

#### Study opportunities for in-service teachers

**The Faculty of Education also provides opportunities for in-service teachers to improve their qualification and/or to re-direct their area of specialisation. The two-year part-time Advanced Certificate (ACE) is available in specialisations such as School Leadership; Special Needs Education and Language in Teaching and Learning (LLT).**

The Bachelor of Education (Honours) programme aims to induct postgraduate students into the academic study of education, as well as increase their knowledge and expertise in critical areas of education. At master's and doctoral levels, students are encouraged to research issues that are likely to improve education in the country.

At present, the faculty offers the following Continuing Professional Teacher Development (CPTD) programmes:

- Advanced Certificate in Education: Language in Learning and Teaching (ACE LLT)
- Advanced Certificate in Education: Special Needs Education (ACE SNE)
- Advanced Certificate in Education: School Leadership (ACE SL)

**Please consult the faculty prospectus and website or contact the manager: faculty administration on 041 504 2125/ 4568 for more information.**

# Faculty of Engineering, the Built Environment and Information Technology

*Technology for tomorrow*

## **Admissions offices**

Port Elizabeth campuses: 041 504 1111

George Campus: 044 801 5111

## **Faculty administration**

041 504 3446 / 3995 / 3480 / 3660 / 3447

[ebeit.nmmu.ac.za](mailto:ebeit.nmmu.ac.za)  
[admissions@nmmu.ac.za](mailto:admissions@nmmu.ac.za)  
[info@nmmu.ac.za](mailto:info@nmmu.ac.za)

If you want to be at the forefront of what's happening in engineering, construction or IT, then stick around because NMMU is where it's at. With top facilities, state-of-the-art technology, stimulating research and practical training, you have the opportunity to become another of the faculty's highly sought-after graduates, be it in engineering, information technology, building, quantity surveying, construction management or human settlement development. You're instantly employable with our technology for tomorrow.

## **School of Engineering**

Department of Civil Engineering

Department of Electrical Engineering

Department of Industrial Engineering

Department of Mechanical Engineering

Department of Mechatronics

## **School of the Built Environment**

Department of Construction Management

Department of Building & Human Settlement Development

Department of Quantity Surveying

## **School of Information and Communication Technology**

Department of Applied Informatics

Department of Information Technology





## SCHOOL OF ENGINEERING

The School of Engineering offers programmes in the fields of civil, electrical, mechanical, and industrial engineering, mechatronics, and operations management & quality. NMMU is the only higher education institution offering the BEng and MEng and PhD (Mechatronics) programme in the Eastern Cape, and hence is making a valuable contribution to the development of related industries, such as the automotive manufacturing and related supplier industries. The school also houses the Friction Processing Research Institute (FPRI) that offers strategic research opportunities as well as research in areas such as manufacturing systems, materials and material modelling, intelligent manufacturing and robotics, and technology management. All the graduate academic engineering programmes in NMMU's School of Engineering are accredited by the Engineering Council for South Africa (ECSA).

Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
<b>National Diploma (NDip)</b>						
<b>NDip (Civil Engineering)</b>	<p>Civil Engineering is the practice of improving and maintaining the built and natural environments to increase the quality of life for present and future generations. The field of Civil Engineering requires people who are mathematically inclined, can make decisions, delegate, control assignments, think logically and work systematically.</p> <p>This programme consists of two years of full-time study at NMMU and one year in industry undergoing experiential training.</p> <p><b>Take note:</b> After completion of the national diploma and a minimum of three years' industrial experience a candidate may apply to the Engineering Council of South Africa (ECSA) for registration as a technician.</p>	Full-time 3 years	26 - 33	34	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 4 (50-59%)</li> <li>Physical Sciences 4 (50-59%)</li> </ul> <p><b>RECOMMENDED NSC SUBJECTS:</b> Engineering Graphics &amp; Design</p>	<p>Civil engineering technician.</p> <p>Employment opportunities exist at consulting engineering practices, construction companies, government departments such as the Department of Water Affairs and the National Roads Agency, at organisations such as Spoornet and Eskom, and at municipalities and provincial public works departments. Employment in these organisations may involve design and construction work, as well as maintenance work.</p>
<b>NDip (Industrial Engineering)</b>	<p>This programme is designed to enable students to solve well-defined problems and improve systems in both the manufacturing and service sectors of industry. This results in higher productivity, better quality products and services for on-time delivery to customers.</p> <p>The programme consists of four semesters of academic training and two semesters of experiential training.</p> <p><b>Take note:</b> After completion of the national diploma and a minimum of three years' industrial experience a candidate may apply to the Engineering Council of South Africa (ECSA) for registration as a technician.</p>	Full-time 3 years	26 - 33	34	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 4 (50-59%)</li> <li>Physical Sciences 4 (50-59%)</li> </ul>	<p>Industrial engineering technicians find career opportunities mostly in the manufacturing industry, but also in the service industry, where the industrial engineering technician and technologist play an important role in the engineering team.</p>
<b>NDip (Mechanical Engineering)</b>	<p>The principle of mechanical engineering is to apply technology to design products, machines and equipment, to create means of production, and to maintain the production methods. Persons achieving this qualification will be able to integrate analytical and practical engineering techniques and engineering knowledge to solve well-defined and open-ended problems.</p> <p><b>Take note:</b> After completion of the national diploma and a minimum of three years' industrial experience a candidate may apply to the Engineering Council of South Africa (ECSA) for registration as a technician.</p>	Full-time 3 years	26 - 33	34	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 4 (50-59%)</li> <li>Physical Sciences 4 (50-59%)</li> </ul> <p><b>RECOMMENDED NSC SUBJECTS:</b> Engineering Graphics &amp; Design</p>	<p>Mechanical engineering technicians find career opportunities at private and public companies, engineering workshops, motor manufacturers, food and pharmaceutical factories, chemical, transport and mining companies, municipalities, military, government departments and research organisations.</p>
<b>NDip (Electrical Engineering) Extended Curriculum</b>	<p>This programme provides alternative university access to students who have the potential to succeed, but do not meet the minimum admission requirements for the mainstream programme.</p> <p>The purpose of the programme is to integrate additional academic support and skills development with mainstream courses in order to assist students in the successful completion of the relevant national diploma course.</p>	Full-time 4 years	26 - 33		<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met. In exceptional cases however, candidates who only meet the minimum NSC requirements for certificate entry may be considered.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 3 (40-49%)</li> <li>Physical Science 3 (40-49%)</li> <li>Candidates must perform satisfactorily in the NMMU access assessment test.</li> </ul>	<p>See career opportunities for the relevant national diploma programme.</p>

Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
<b>NDip (Electrical Engineering)</b>	Persons achieving this qualification will be competent to apply engineering principles and solve well-defined open-ended problems in the field of electrical engineering by operating within relevant standards and codes.  <b>Take note:</b> After completion of the national diploma and a minimum of three years' industrial experience a candidate may apply to the Engineering Council of South Africa (ECSA) for registration as a professional engineering technician.	Full-time 3 years	26 - 33	34	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 4 (50-59%)</li> <li>Physical Sciences 4 (50-59%)</li> </ul>	Electrical engineering technicians find employment in industries, factories, mines, test laboratories, municipal distribution departments, electrical utility companies, transport services, design and research offices, and at consulting engineering companies.
<b>NDip (Operations Management)</b>	This programme will provide students with skills and knowledge to develop as high quality managers in all spheres of production, operations and management.	Part-time 3 years	22 - 29	30	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 3 (40-49%) or Mathematical Literacy 5 (60-69%).</li> <li>Full-time employment in a related field.</li> </ul>	Career opportunities include: production planners, operations managers, supervisors, team leaders, work study practitioners, quality practitioners, operations analysts, logistics and stores managers.
<b>Bachelor of Technology (BTech) (The BTech degree forms the fourth year of study after completing the national diploma)</b>						
<b>BTech (Civil Engineering)</b>	<p>This programme provides students with the skills and knowledge to work as highly-trained professionals in one of the following fields:</p> <ul style="list-style-type: none"> <li>Urban engineering</li> <li>Transportation engineering</li> </ul> <p>The tuition of these disciplines is subject to sufficient student numbers, and availability of sufficient resources.</p> <p><b>Take note:</b> After completion of the BTech and a minimum of three years' industrial experience a candidate may apply to the Engineering Council of South Africa (ECSA) for registration as a professional engineering technologist.</p>	Part-time 2 years (block format)			<ul style="list-style-type: none"> <li>An overall average of 65% for the NDip (Civil Engineering); or</li> <li>55% average for the NDip (Civil Engineering) with proof of registration with the Engineering Council of South Africa; or</li> <li>60% average for the NDip (Civil Engineering) and two years' post-diploma working experience.</li> <li>Other and non-South African qualifications will be considered based on SAQA reports and merit and may require the submission of curricula and learning material. These applicants may be required to complete a language proficiency module.</li> </ul>	Civil engineering technologist.
<b>BTech (Electrical Engineering)</b>	<p>Persons achieving this qualification will be competent to professionally apply electrical engineering principles, innovative skills, solve broadly-defined problems and apply managerial skills in the field of electrical engineering.</p> <p><b>Take note:</b> After completion of the BTech and a minimum of three years' industrial experience a candidate may apply to the Engineering Council of South Africa (ECSA) for registration as a professional engineering technologist.</p>	Part-time 2 years			<ul style="list-style-type: none"> <li>An overall average of 65% for the NDip (Electrical Engineering); or</li> <li>55% average for the NDip (Electrical Engineering) with proof of registration with the Engineering Council of South Africa; or</li> <li>60% average for the NDip (Electrical Engineering) and two years' post-diploma working experience.</li> <li>Other and non-South African qualifications will be considered based on SAQA reports and merit and may require the submission of curricula and learning material. These applicants may be required to complete a language proficiency test.</li> </ul>	Electrical engineering technologist.
<b>BTech (Industrial Engineering)</b>	<p>This programme provides students with the skills and knowledge to analyse, design and improve manufacturing and related services.</p> <p><b>Take note:</b> After completion of the BTech and a minimum of three years' industrial experience a candidate may apply to the Engineering Council of South Africa (ECSA) for registration as a professional engineering technologist.</p>	Full-time 1 year Part-time 2 years			<ul style="list-style-type: none"> <li>An overall average of 65% for the NDip (Industrial Engineering); or</li> <li>55% average for the NDip (Industrial Engineering) with proof of registration with the Engineering Council of South Africa; or</li> <li>60% average for the NDip (Industrial Engineering) and two years' post-diploma working experience.</li> <li>Other and non-South African qualifications will be considered based on SAQA reports and merit and may require the submission of curricula and learning material. These applicants may be required to complete a language proficiency test.</li> </ul>	Career opportunities are mostly in the manufacturing industry where the industrial engineering technician or technologist plays an important role in the engineering team.

Columns marked with an asterisk (\*) indicate the minimum requirements for admission to a programme. Should you not meet these requirements but fall within the APS testing band you may be referred to write an access assessment test before an admissions decision is made.

Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
<b>BTech (Mechanical Engineering)</b>	Persons achieving this qualification will be able to independently integrate mechanical engineering principles, apply these to determine appropriate ways of approaching activities and establish and use criteria to judge processes and outcomes.  <b>Take note:</b> After completion of the BTech and a minimum of three years' industrial experience a candidate may apply to the Engineering Council of South Africa (ECSA) for registration as a professional engineering technologist.	Full-time 1 year Part-time 2 years			<ul style="list-style-type: none"> <li>An overall average of 65% for the NDip (Mechanical Engineering); or</li> <li>55% average for the NDip (Mechanical Engineering) with proof of registration with the Engineering Council of South Africa; or</li> <li>60% average for the NDip (Mechanical Engineering) and two years' post-diploma working experience.</li> <li>Other and non-South African qualifications will be considered based on SAQA reports and merit and may require the submission of curricula and learning material. These applicants may be required to complete a language proficiency test.</li> </ul>	Mechanical engineering technologist.
<b>BTech (Operations Management)</b>	This programme enables students to acquire dynamic management skills to ensure smooth operation within manufacturing concerns.	Part-time 1 year			<ul style="list-style-type: none"> <li>An overall average of 65% for the NDip (Operations Management); or</li> <li>55% average for the NDip with proof of registration with the Engineering Council of South Africa; or</li> <li>60% average for the NDip and two years' post-diploma working experience.</li> <li>Other and non-South African qualifications will be considered based on SAQA reports and merit and may require the submission of curricula and learning material. These applicants may be required to complete a language proficiency test.</li> </ul>	Various operations management related positions.
<b>BTech (Quality)</b>	This programme enables students to determine the effectiveness of the quality system, appraising the current quality problem areas or potential areas, as well as to assist in the correction of problem areas. Students will also have the ability to improve product and/or service quality in cooperation with other departments in organisations.	Part-time 2 years			<ul style="list-style-type: none"> <li>An overall average of 65% for the NDip; or</li> <li>60% average for the NDip and two years' post-diploma working experience.</li> <li>Mathematic 1 or equivalent is a pre-requisite for students who have not done Mathematics as part of their pre-requisite qualification.</li> <li>Other and non-South African qualifications will be considered based on SAQA reports and merit and may require the submission of curricula and learning material. These applicants may be required to complete a language proficiency test.</li> </ul>	Quality assurance management, quality control, production management, inventory management, process engineering, laboratory management, testing and inspection manufacturing, etc.
<b>Bachelor of Engineering (BEng)</b>						
<b>BEng (Mechatronics)</b>	<p>Mechatronic engineering is a combination of precision mechanical engineering, electronics and computer systems. A typical mechatronic system is characterised by close integration of the mechanical components, electrical sensors, mechanical and electrical actuators and computer controllers into products and systems useful to society. In order to combine all these elements in an optimal way, mechatronic engineers must have insight in each of these disciplines.</p> <p>The programme provides students with a thorough grounding in mathematics, basic sciences, engineering sciences, engineering modelling and engineering design together with the abilities to enable application in fields of emerging knowledge.</p>	Full-time 4 years	Must meet APS directly	38	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 5 (60-69%)</li> <li>Physical Sciences 5 (60-69%)</li> </ul> <p>Applicants must meet the APS and subject requirements directly.</p> <p><b>RECOMMENDED NSC SUBJECTS:</b> Engineering Graphics &amp; Design and/or Information Technology.</p>	Mechatronic engineers play a key role in the design, development, manufacture and operation of a variety of products – from video players and automatic cameras, to robots and fully-automated plants for manufacturing, packaging, and the process industries.



## SCHOOL OF THE BUILT ENVIRONMENT

The School of the Built Environment offers a wide range of national diploma and degree programmes to prepare students for the building and construction industry. Candidates can choose from programmes in the areas of construction science and technology, construction economics, construction management and quantity surveying. The quality of the programmes is recognised by the professional bodies of the building industry and evidence proves that NMMU graduates are sought-after in the profession. Graduates excel as leaders in the industry, nationally and internationally

Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
<b>National Diploma (NDip)</b>						
<b>NDip (Building)</b>	Two years of this three-year programme are spent doing full-time study at NMMU and one year in industry undergoing experiential learning. <b>Take note:</b> Applicants who wish to apply for this particular course must exclude Life Orientation (LO) in the calculation of their APS. As a limited number of students can be admitted, admission is subject to selection based on academic merit.	Full-time 3 years	21 - 24 (excl. LO)	25 (excl. LO)	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 3 (40-49%) or Mathematical Literacy 5 (60-69%).</li> </ul> Admission is subject to departmental selection.  <b>RECOMMENDED NSC SUBJECTS:</b> <ul style="list-style-type: none"> <li>Engineering Graphics &amp; Design</li> <li>Design</li> <li>Physical Sciences</li> </ul>	This programme prepares diplomates for supervisory and middle management level employment in the building industry; and technical support level in the quantity surveying profession.
<b>Bachelor of Technology (BTech) (The BTech degree forms the fourth year of study after completing the national diploma)</b>						
<b>BTech (Construction Management)</b>	This programme provides specialised training for middle and top management positions in the construction and related industries.	Full-time 1 year; can be split over 2 years			NDip (Building) or a qualification deemed equivalent by the department and approved by the Faculty Management Committee (FMC).  A weighted average of at least 60% for all modules in the final year of study in the diploma programme <b>and</b> At least 60% for the major module (Construction Management III) in the final year of study in the diploma programme.	Employment opportunities exist mostly with private building contractors as well as with local authorities and state departments.
<b>BTech (Quantity Surveying)</b>	This programme provides specialised training for middle and top management level positions in the construction and related industries; and for practice in the quantity surveying profession.	Full-time 1 year; can be split over 2 years			NDip (Building) or a qualification deemed equivalent by the department and approved by the Faculty Management Committee (FMC).  An average of at least 60% for all modules in the final year of study in the diploma programme; <b>and</b> At least 60% for the major module (Quantity Surveying III) in the final year of study in the diploma programme.	Employment opportunities exist mostly with construction companies, quantity surveying firms, financial institutions, local authorities and state departments.
<b>Bachelor of Science (BSc)</b>						
<b>BSc (Construction Economics)</b>	Students are introduced to the following fields of expertise related to the construction industry: construction methods and materials; costs of various construction elements and components; the influence of the economy on the industry; rights and obligations of different parties; the use of computers and the principles of entrepreneurial success; personal and professional ethics; and general professional practice and management. <b>Take note:</b> The BSc (Construction Economics) is followed by the BSc Honours (Quantity Surveying) in order to develop the additional expertise needed to qualify as a quantity surveyor.	Full-time 3 years	26 - 35	36	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 4 (50-59%)</li> </ul> Admission is subject to departmental selection.  <b>RECOMMENDED NSC SUBJECTS:</b> <ul style="list-style-type: none"> <li>Engineering Graphics &amp; Design</li> <li>Physical Science</li> </ul>	Quantity surveyors function as construction economists and cost management consultants. They act as financial consultants to the construction and property development industries.  In addition to working as consultants in private practice, quantity surveyors' skills are also utilised in areas such as shipbuilding, hotel management, civil engineering construction, property (asset) management, mining, government administration and financial planning.

Columns marked with an asterisk (\*) indicate the minimum requirements for admission to a programme. Should you not meet these requirements but fall within the APS testing band you may be referred to write an access assessment test before an admissions decision is made.

Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
<b>BSc (Construction Studies)</b>	<p>This programme enables graduates to perform technical, supervision and operational and middle management functions in small to large construction-related enterprises, as employees or as entrepreneurs. They will obtain knowledge and skills in the areas of construction materials, methods and management, accounting, economics and the measurement and quantification of construction resources.</p> <p><b>Take note:</b> After completing the BSc (Construction Studies) graduates should enrol for the BSc Honours (Construction Management) in order to register as a candidate construction manager with the South African Council for the Construction and Project Management Professions upon graduating.</p>	Full-time 3 years	26 - 35	36	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 4 (50-59%)</li> </ul> <p><b>RECOMMENDED NSC SUBJECTS:</b></p> <ul style="list-style-type: none"> <li>Engineering Graphics &amp; Design</li> <li>Physical Sciences</li> </ul>	Graduates find employment in construction enterprises as site agents, site managers, contract managers, estimators, planners, managers and directors. Career opportunities also exist in materials manufacture and marketing, property management, property development, facilities management, subcontracting, specialist consulting, project management, lecturing and research.

<b>Bachelor of Human Settlement Development (BHSD)</b>						
<b>BHSD (Human Settlement Development)*</b> (offering subject to SAQA registration)	<p>This programme will provide students with professional skills and knowledge appropriate to a range of employment opportunities associated with human settlement development and management.</p> <p>Student will also be required to complete four months (one month per year) of work integrated learning (WIL) during recess period (with mentors).</p>	Full-time 4 years	28 - 35	36	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 4 (50-59%) or Mathematical Literacy 6 (70-79%).</li> </ul>	Graduate are employed for managing organisations and developing and implementing human settlement policy, strategies, programmes and projects in the public and private sectors.

## SCHOOL OF INFORMATION AND COMMUNICATION TECHNOLOGY

The School of Information and Communication Technology offers national diploma and degree programmes in three specialisation areas; software development, support services and communication networks. The vision of the school is to be the leading provider of the state-of-the-art information and communication technology expertise in South Africa. The programmes at the school are designed to give you a world-class grounding in the fundamental principles underlying your chosen field of study. A significant proportion of the tuition time is spent in the schools modern, well-equipped laboratories, thus emphasising the practical and applied nature of the subject matter. The school consists of two departments, namely the Department of Information Technology and the Department of Applied Informatics.

<b>Certificate (Cert)</b>						
<b>Cert (Geographic Information Systems)</b>	<p>The GIS certificate is a distance learning study programme that is designed for individuals who are unable to attend full-time educational courses because of their responsibilities. The programme is primarily aimed at novices in GIS or those wishing to refresh their skills. The programme will take the student from the introduction to the principles of GIS and analysis of the types, sources and storage of spatial data through to the practical implications of GIS and design of a commercial or industrial solution using the techniques learned.</p>	Part-time 1 year			<p>Entrance is subject to selection by the department. This qualification is open to matriculants or graduates in any field. Candidates with a NSC must meet the minimum statutory requirements for higher certificate entry.</p> <p>For further information please contact the Spatial Technologies Unit on 041 504 3938.</p>	This certificate will expand your skills to enable the use of GIS in your existing work environment.

<b>Higher Certificate (HCert)</b>						
<b>HCert: IT (User Support Services)</b>	<p>The purpose of the qualification is to produce graduates who are productive, competent, able to work independently, and who can manage time effectively in entry-level technical user support positions that span a wide range of computing environments requiring support personnel.</p> <p><b>Please note:</b> An average of 60% for all modules at the exit level is required if an applicant wishes to proceed to the National Diploma: IT (Support Services).</p>	Full-time 1 year	22 - 27	28	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for higher certificate entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 3 (40-49%).</li> </ul>	Entry-level IT support technician

Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
<b>National Diploma (NDip)</b>						
<b>NDip: IT (Software Development)</b>	Students will be taught to effectively solve business-related problems, and will be trained extensively in areas such as computer software, computer hardware, networks and the analysis, design and implementation of software solutions.	Full-time 3 years	26 - 31	32	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 4 (50-59%).</li> </ul> <b>RECOMMENDED NSC SUBJECTS:</b> Computer Applications Technology or Information Technology	Programmer or software engineer, systems analyst, user support specialist, network administrator.
<b>NDip: IT (Communication Networks)</b>	The communication networks stream focuses on integrating many technologies varying from wireless networks, voice-over IP, electronics, robotic components, computer and information security, networking and also programming. This course is primarily a course for networking professionals with a solid grounding in supporting subject areas such as programming and fundamentals of electronics.	Full-time 3 years	26 - 31	32	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 3 (40-49%)</li> </ul> <b>RECOMMENDED NSC SUBJECTS:</b> Computer Applications Technology or Information Technology	The communication network specialist would typically play an integral role in network and communication infrastructure design for multidisciplinary environments. With the exponential growth in the tele-communications infrastructure worldwide, professionals in this field will play a major role in future developments.
<b>NDip: IT (Support Services)</b>	This programme focuses on the day-to-day administration of the IT infrastructure and support of the users reliant on this infrastructure.	Full-time 3 years	26 - 31	32	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 4 (50-59%).</li> </ul> <b>RECOMMENDED NSC SUBJECTS:</b> Computer Applications Technology or Information Technology.	IT support technician or trainee call centre manager. Employers include: government departments, computer manufacturers, network organisations, computer bureau, research organisations, insurance companies, commerce and industry, educational institutions, professional firms, mining companies, libraries.
<b>Bachelor of Technology (BTech) (The BTech degree forms part of the fourth year of full-time study after completing the national diploma)</b>						
<b>BTech (Information Technology)</b>	<p>The aim of the qualification is to provide students with an in-depth theoretical and practical foundation to prepare them for successful careers in information technology.</p> <p>Students may choose to follow a curriculum in one of the following specialisation areas:</p> <ul style="list-style-type: none"> <li>Software Development</li> <li>Communication Networks</li> </ul> <p>The BTech (Information Technology) forms the fourth year of study and offers a high degree of specialisation.</p>	Full-time 1 year			<p>National Diploma (IT) or equivalent qualification in information technology. Students must satisfy the prerequisites for the specified specialisation areas of the BTech programme.</p>	<p>BTech (IT) students will typically be employed in IT/IS management positions, both in the private and public sectors.</p> <p>They are essentially prepared for positions such as systems analysts, programmers and network designers. The BTech also prepares students for postgraduate and industrial research.</p>

# Faculty of Health Sciences

*Caring for tomorrow*

**Admissions offices**  
Port Elizabeth campuses: 041 504 1111  
George Campus: 044 801 5111

**Faculty administration**  
041 504 2957 / 2956 / 2121

**health.nmmu.ac.za**  
**admissions@nmmu.ac.za**  
**info@nmmu.ac.za**

We care. If you do too, then perhaps a career which has the well-being of people at heart is for you. There's nursing, psychology, social work, human movement science, sport management, pharmacy, environmental health, radiography or biomedical technology. The faculty has close ties with hospitals, clinics, community organisations and industry ensuring that you learn on the job even while you are studying. It's all part of our caring for tomorrow.

## School of Behavioural Sciences

Department of Environmental Health

Department of Psychology

Department of Social Development Professions

## School of Clinical Care Sciences

Department of Nursing Sciences

Department of Radiography

## School of Lifestyle Sciences

Department of Human Movement Science

Department of Dietetics

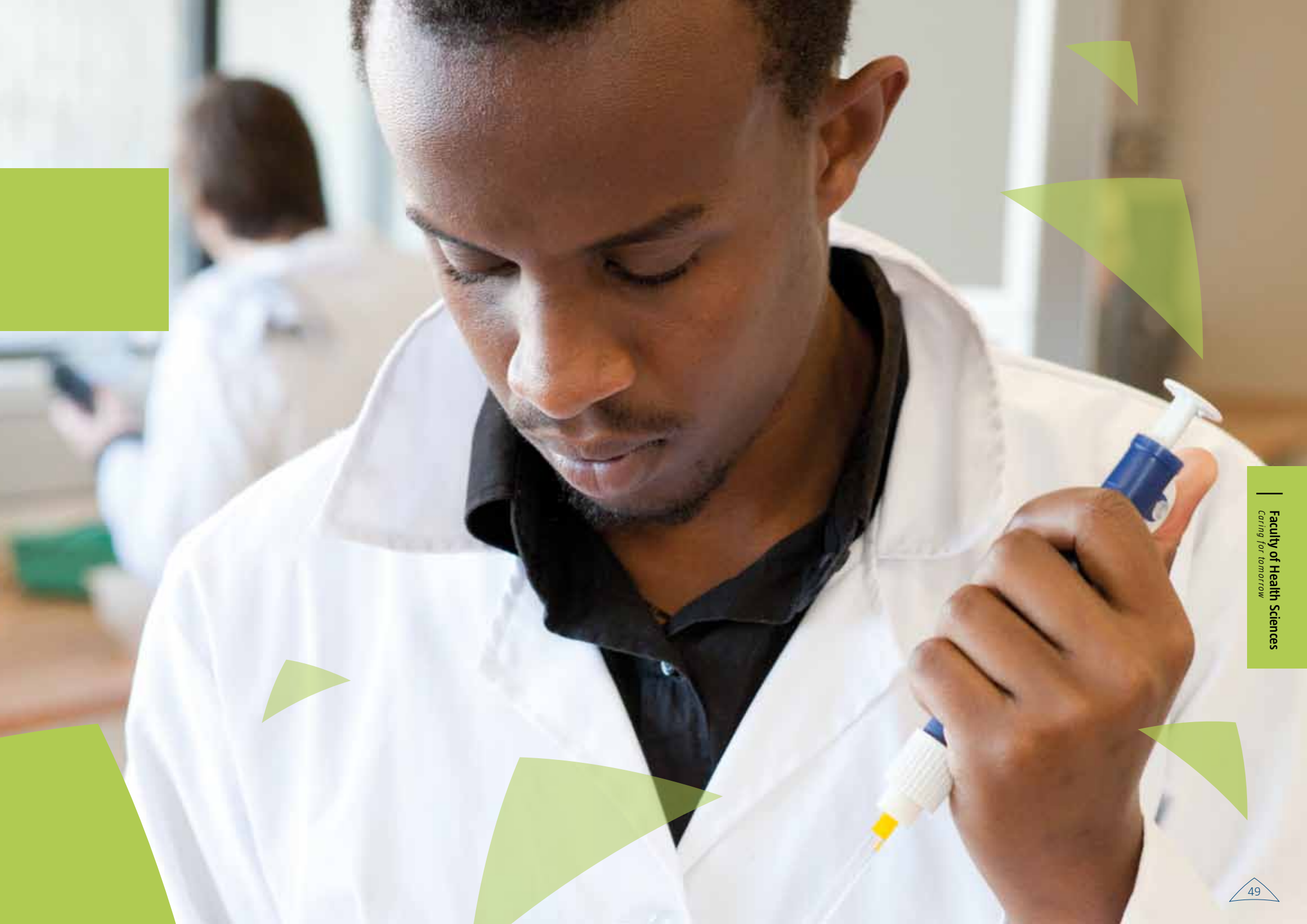
## School of Medicinal Sciences

Department of Medical Laboratory Sciences

Department of Pharmacy

*Please note that various qualifications within the Faculty of Health Sciences are currently being reviewed. Prospective students are advised to contact the admissions office prior to applying*





# School of Behavioural Sciences

## DEPARTMENT OF ENVIRONMENTAL HEALTH

Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
<b>National Diploma (NDip)</b>						
<b>NDip (Environmental Health)</b>	<p>Students receive theoretical and practical training in community development, environmental pollution, epidemiology, food and meat hygiene, occupational health and safety and management practice.</p> <p>Each student is required by law to register with the Health Professions Council of South Africa (HPCSA) as a student environmental health practitioner.</p> <p>Upon completion of training, students are required by law to undertake one year of community service. Completion of community service is a prerequisite for registration with the HPCSA.</p>	Full-time 3 years	26 - 31	32	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) preferably on a level 4 (50-59%) but at least on a level 3 (40-49%).</li> <li>Mathematics 3 (40-49%) or Mathematical Literacy 6 (70-79%)</li> <li>Physical Sciences 3 (40-49%)</li> <li>Life Science 3 (40-49%)</li> <li>NSC achievement rating of at least a level 4 (50-59%) for the two remaining NSC subjects</li> </ul> <p><b>RECOMMENDED NSC SUBJECTS:</b> Geography, History, Agricultural Sciences</p> <p>Selected students will be notified in writing of the outcome of their application. Admission is subject to selection by the department.</p>	<p>Environmental health practitioners protect people where they practice from any condition which could be hazardous to their health.</p> <p>A diplomate may also practice as an occupational hygienist, audiometrist or environmental health consultant.</p>

### Bachelor of Technology (BTech) ( The BTech degree forms the fourth year of study after completing the national diploma)

<b>BTech (Environmental Health)</b>	This degree programme equips qualified environmental health professionals with further knowledge relating to their profession.	Full-time 1 year Part-time 2 years			NDip (Environmental Health) or equivalent qualification.	Environmental health practitioners may practice as an occupational hygienist, audiometrist or environmental health consultant.
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## DEPARTMENT OF PSYCHOLOGY

### Bachelor of Psychology (BPsych)

<b>BA: Psych (Psychology)</b>	<p>This programme provides training for students who want to develop psychological knowledge and people skills for use in people-oriented careers. It also provides the foundation from which a professional qualification in psychology can be built.</p> <p>Students who wish to gain a professional qualification will undergo a selection process for the BPsych (Counselling) programme after the second year of the BA in Psychology. The core modules cover the following broad areas: development psychology, health psychology, social psychology, psychopathology, psychological evaluation, assessment &amp; research, psychological intervention, and personality psychology. Applied or practical psychology modules are built onto this foundation. Subjects from disciplines such as social development, computer science and information systems, statistics, and languages are also part of the curriculum.</p>	Full-time 3 years Part-time 4 years	26 - 35	36	<ul style="list-style-type: none"> <li>Minimum NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 4 (50-59%).</li> </ul>	Careers in the field of community development, pastoral and missionary work, childcare, and lay counselling.
<b>BPsych: Counsel (Counselling Psychology)</b>	This programme provides professional training in psychology and leads to registration as a registered counsellor with the Health Professions Council of South Africa (HPCSA). The skills acquired in this versatile programme may be applied in the following types of settings: health and wellness facilitation, family and marital relations, career development (guidance), educational assessment and intervention, industrial and organisational contexts.	Full-time 4 years			Candidates must first be admitted to the BA (Psych) programme and complete 90% of the credits prescribed for the first two years of study before they can be considered for admission to the BPsych (Counselling).	Registered counsellor in private practice, or working for government, community or non-governmental organisations, schools, academia, or in business and industry.

Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
	<p>BPsych candidates will build on the foundation laid in their first two years of training. In the fourth year, theoretical and applied training will be complemented by a compulsory six-month practical internship where students will have to show proficiency in working within their chosen settings.</p> <p><b>Take note:</b> Holders of this degree qualify for registration as registered counsellors with the Professional Board for the Health Professions Council of South Africa provided that they pass an examination set by the Professional Board for Psychology.</p>				All candidates shall be subject to selection. Those who are not selected will be able to continue with the BA (Psychology) programme.	
<b>BPsych: Sport Psych (Sport Psychology)</b>	<p>This programme provides professional training in psychology and human movement science, and will qualify the candidate for registration as a registered counsellor with the Health Professions Council of South Africa (HPCSA). The programme meets the registration requirements of the Professional Board of Psychologists.</p> <p><b>Graduates of the programme will have:</b></p> <ul style="list-style-type: none"> <li>• an in-depth and critical understanding of human behaviour in various contexts, including the sports arena;</li> <li>• the ability to assess and intervene on individual, group and community level in sport psychology; and</li> <li>• the interpersonal, career-exploration and work-related skills to be an effective sport psychology counsellor, sports coach and exercise specialist.</li> </ul> <p><b>Take note:</b> Holders of this degree qualify for registration as registered counsellors with the Health Professions Council of South Africa provided that they pass an examination set by the Professional Board for Psychology.</p>	Full-time 4 years	26 - 35	36	<ul style="list-style-type: none"> <li>• Minimum statutory NSC requirements for degree entry must be met.</li> <li>• English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>• Mathematics 2 (30-39%) or Mathematical Literacy 4 (50-59%)</li> <li>• Candidates must pass a medical examination as required by the Department of Human Movement Science.</li> </ul> <p>During the second year of study candidates are required to undergo a selection process for entry into the final two years of study. Both academic progress (60% and above) and personality characteristics are considered.</p>	<p>The increased involvement of South African sportspeople in international sport and the professionalisation of sport in our country creates exciting career opportunities for sport psychologists.</p> <p>The skills acquired in this versatile programme may be applied in the fields of sport performance enhancement, sports coaching, exercise and fitness, health and wellness facilitation, and counselling.</p>

## DEPARTMENT OF SOCIAL DEVELOPMENT PROFESSIONS

### Bachelor of Arts (BA)

<b>BA (Youth Work)</b>	<p>This degree is designed for school-leavers as well as for adult learners who are already involved in youth work but do not have formal qualifications. The programme provides a combination of theoretical knowledge and practical skills, based on research into the challenges and learning needs of those working with the youth.</p> <p><b>Take note:</b> This course will only be offered if a minimum of 10 prospective applicants are admitted to the programme. Please consult the admissions office before applying.</p>	Full-time 3 years	26 - 35	36	<ul style="list-style-type: none"> <li>• Minimum statutory NSC requirements for degree entry must be met.</li> <li>• English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>• Mathematics 2 (30-39%) or Mathematical Literacy 4 (50-59%)</li> </ul> <p>Admission is subject to departmental selection.</p>	Employment as youth worker can be found with organisations such as the Red Cross, government departments, and non-governmental organisations, including welfare organisations, churches, community-based organisations, youth clubs and community centres.
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### Bachelor of Social Work (BSW)

<b>BSW (Social Work)</b>	<p>Social work plays an important role in society, with the social worker helping people to overcome obstacles, ranging from family counseling, criminal offences, drug abuse, abuse or physical/mental disabilities. A social worker should be able to handle stress and act compassionately when dealing with others.</p> <p>This programme is made up of compulsory fundamental and core modules, as well as a choice of elective modules which can be selected according to the student's interests. Practical work is an integral part of the degree from second year level.</p> <p>Graduates qualify for registration as social workers with the Council for Social Service Professions.</p>	Full-time 4 years	26 - 35	36	<ul style="list-style-type: none"> <li>• Minimum statutory NSC requirements for degree entry must be met.</li> <li>• English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>• Mathematics 2 (30-39%) or Mathematical Literacy 4 (50-59%).</li> </ul> <p>Candidates must register as student social workers before commencing any of the practical or applied modules at community-based organisations.</p> <p>Admission is subject to departmental selection.</p>	There are employment opportunities for social workers in family and child welfare organisations, government departments such as health and welfare, prisons, hospitals, industry, the police and defence force, and organisations that work with issues such as mental health, disabilities and illnesses.
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Columns marked with an asterisk (\*) indicate the minimum requirements for admission to a programme. Should you not meet these requirements but fall within the APS testing band you may be referred to write an access assessment test before an admissions decision is made.

# School of Clinical Care Sciences

## DEPARTMENT OF NURSING SCIENCES

Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
<b>BCur (Nursing Science) Extended Curriculum</b>	This programme for BCur studies provides alternative university access to students who have the potential to succeed, but do not meet the minimum admission requirements for the mainstream programme.  The purpose of the programme is to integrate additional academic support and skills development with mainstream courses in order to prepare the student for successful completion of the BCur degree.	Full-time 5 years	26 - 35		<ul style="list-style-type: none"> <li>Minimum NSC requirements for degree entry must be met. In exceptional cases however, candidates who only meet the minimum NSC requirements for diploma entry may be considered.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 3 (40-49%)</li> <li>Life Sciences 2 (30-39%)</li> <li>Physical Sciences 2 (30-39%)</li> </ul> <p>Candidates must perform satisfactorily in the NMMU access assessment test.</p>	See career opportunities below.
<b>BCur (Nursing Science)</b>	This programme prepares students to meet the unique needs of individual patients, families and communities as a professional nurse and midwife. Practical work is an integral part of this programme.  The programme comprises lectures on campus and clinical practicals in nearby general, maternity and psychiatric hospitals and in community health fields. Practical placements are arranged for students by the Department of Nursing Science. This is supplemented by clinical teaching in a simulated laboratory and in actual patient situations.	Full-time 4 years	26 - 35	36	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 3 (40-49%) or Mathematical Literacy 4 (50-59%)</li> <li>Life Sciences 3 (40-49%)</li> <li>Physical Sciences 3 (40-49%)</li> </ul> <p>Students must be registered as student nurses with the South African Nursing Council. Such registration will be undertaken by the Department of Nursing Science on behalf of students after enrolment. Students must submit a satisfactory medical report, on the prescribed form, to the Registrar before registration.</p>	Registered nurses may work in private or state hospitals, comprehensive health care clinics, communities, or in private practice.  South African registered nurses are not only in demand in this country, but are also sought after internationally.

## DEPARTMENT OF RADIOGRAPHY

### National Diploma (NDip)

<b>NDip: Radiography (Diagnostic)</b>	This programme prepares students for the professional field of diagnostic radiography which entails the production of x-ray images of the human body in order to diagnose disease.  Employment as a student radiographer by an approved hospital is usually a requirement of the course. The theoretical and practical components of the course are covered concurrently.  Upon completion of training all students are required by law to undertake one year of community service. This is a prerequisite for registration with the HPCSA as a radiographer.	Full-time 3 years	Must meet APS directly	32	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 6 (70-79%)</li> <li>Physical Sciences 2 (30-39%)</li> <li>Life Sciences 2 (30-39%)</li> <li>Applicants must also be physically fit.</li> </ul> <p>About 25 students are selected annually and will be notified in writing by November.</p>	Diagnostic radiographer.
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Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
<b>Bachelor of Technology (BTech) (The BTech degree forms the fourth year of study after completing the national diploma)</b>						
<b>BTech: Radiography (Diagnostic)</b>	This degree programme equips the qualified diagnostic radiographer with further knowledge of the technological advances in diagnostic imaging, as well as quality assurance and professional development. Management and research methods are included to prepare the student for managerial functions and/or research.	Part-time 2 years			NDip: Radiography (Diagnostic) or degree in diagnostic radiography.	Senior positions in the field of diagnostic radiography.
<b>School of Lifestyle Sciences</b>						
<b>DEPARTMENT OF HUMAN MOVEMENT SCIENCE</b>						
<b>National Diploma (NDip)</b>						
<b>NDip (Sport Management)</b>	<p>This programme equips students with the knowledge, attitudes and skills which are essential for a successful career in sport management.</p> <p>The programme also provides the opportunity for the students to fully realise their potential in the one sport in which they chose to specialise. Students are required to belong to a club of their specialist sport, approved by the Human Movement Science department, and to involve themselves in the administration of the club. Apart from the academic programme, students are expected to attend special courses and excursions and involve themselves in projects that are arranged for their benefit. These activities are not necessarily accommodated in the academic fee structure.</p>	Full-time 3 years	22 - 29	30	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 3 (40-49%)</li> <li>Active participation in competitive sport as approved by the department.</li> </ul> <p>Preference will be given to students who have excelled in sport and/or who have extensive involvement in sport.</p>	<p>The sport manager is involved in the management of sport and recreation facilities, events and services, to people who participate in sport and recreation for either leisure time or professional reasons.</p> <p>Career opportunities available include sport administrator, sport marketer, sport agent, sport manager, sport development officer, sport commentator, sport entrepreneur.</p>
<b>Bachelor of Technology (BTech) (The BTech degree forms the fourth year of study after completing the national diploma)</b>						
<b>BTech (Sport Management)</b>	This degree programme equips diplomates with advanced knowledge and skills that enable students to manage and promote sport and exercise at a strategic level.	Full-time 1 year Part-time 2 years			NDip (Sport Management) or equivalent three-year qualification, with an average of 60% in all major subjects at final-year level. Relevant work experience will be considered should candidates not have attained the required 60% for their major subjects.	<p>The sport manager is involved in the management of sport and recreation facilities, events and services, to people who participate in sport and recreation for either leisure time or professional reasons.</p> <p>Career opportunities are listed above.</p>
<b>Bachelor of Human Movement Science (BHMS)</b>						
<b>BHMS (Human Movement Science)</b>	<p>This programme allows students to specialise in one of four different areas of human movement science, and to complement this with additional subjects such as languages, psychology or physiology, to suit their career plans. The four specialisation areas are:</p> <ul style="list-style-type: none"> <li>Exercise science • Recreation</li> <li>Sport management • Sport science</li> </ul> <p><b>Take note:</b></p> <ul style="list-style-type: none"> <li>For students with an interest in business, NMMU also offers a BCom: HMS in Sport and Recreation Management.</li> <li>Human Movement Science can also be combined with Physiology and Biochemistry in a BSc degree.</li> </ul>	Full-time 3 years	26 - 35	36	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 4 (50-59%)</li> </ul> <p>Candidates are required to undergo a medical examination.</p>	<p>Career opportunities include teaching, school and professional sport coaching, exercise and fitness instruction, sport management lecturing and research, sport psychology, biokinetics, and sport science.</p> <p>The latter three occupations would require an additional postgraduate qualification.</p> <p>National, provincial and local government as well as institutions such as universities and police services employ sport and recreation specialists and managers. The rapidly-growing fitness industry needs professionals such as personal trainers, instructors, and gym managers. There are also opportunities in sports marketing and promotions, sports journalism or commentating.</p>

Columns marked with an asterisk (\*) indicate the minimum requirements for admission to a programme. Should you not meet these requirements but fall within the APS testing band you may be referred to write an access assessment test before an admissions decision is made.

Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
<b>Bachelor of Science (BSc)</b>						
<b>BSc (Dietetics)</b>	<p>With nutrition acknowledged as a key to the future of modern medicine, dietetics is one of the world's fastest-growing professions. The BSc (Dietetics) degree at NMMU trains competent and ethical dietetics professionals who will contribute to the medical therapeutic, community nutrition and specialised food services sectors.</p> <p>Graduates are required to register with the Health Professional Council of South Africa (HPCSA) before they can practice as a Dietitian.</p>	Full-time 4 years	28 - 37	38	<ul style="list-style-type: none"> <li>Minimum NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 5 (60-69%)</li> <li>Physical Sciences 5 (60-69%)</li> </ul>	<p>Dietitians have become increasingly important in both the private and public sectors.</p> <p>They work in various settings:</p> <p><b>Private practice and therapeutic settings</b> They consult clients / patients on nutrition therapy and / or work in a hospital as part of a health care team. They can also have private practices with attention to sport, babies and / or senior citizens.</p> <p><b>Industry</b> They share their expertise by working in the field of health care, food or pharmaceutical industries.</p> <p><b>Community</b> They work in community health facilities providing nutrition therapy for specific health conditions; promote healthy eating and monitor and manage food services in institutions e.g. schools and homes for the aged.</p> <p><b>Food management</b> They manage the provision of healthy and specialised diets in health care facilities, correctional services, welfare care facilities and schools.</p>

## School of Medicinal Sciences

### DEPARTMENT OF MEDICAL LABORATORY SCIENCES

<b>National Diploma (NDip)</b>						
<b>NDip (Biomedical Technology)</b>	<p><b>The student medical technologist receives training in:</b></p> <ul style="list-style-type: none"> <li>Microbiology (the study of micro-organisms),</li> <li>Chemical Pathology (diagnostic biochemical analysis),</li> <li>Cellular Pathology (the study of human cells and tissue), and</li> <li>Haematology (the study of blood cells and blood diseases).</li> </ul> <p>Each student is required by law to register with the Health Professions Council of South Africa (HPCSA) as a student medical technologist.</p>	Full-time 3 years	Must meet APS directly	32	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49 %).</li> <li>Mathematics 3 (40-49%)</li> <li>Physical Sciences 3 (40-49%)</li> <li>Life Sciences 3 (40-49%)</li> </ul> <p>Applicants are subject to departmental selection.</p>	Medical technologists are highly trained professionals who work in a medical laboratory. They may also be required to prepare serums and vaccines and may become involved in medical research.
<b>Bachelor of Technology (BTech) (The BTech degree forms the fourth year of study after completing the national diploma)</b>						
<b>BTech (Biomedical Technology)</b>	<p>This degree programme develops the student into a professional medical technology practitioner.</p> <p><b>The course includes four major fields:</b> biochemistry, integrated pathophysiology, laboratory management and research methodology.</p>	Full-time 1 year Part-time 2 years			NDip (Biomedical Technology) or an equivalent qualification.	Medical technologists are highly trained professionals who work in a medical laboratory. They may also be required to prepare serums and vaccines and may become involved in medical research.

## DEPARTMENT OF PHARMACY

Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
<b>Higher Certificate (HCert)</b>						
<b>HCert: Pharmacy Support (Pharmacy Technical Assistant)</b>	<p><b>The programme covers four main subject areas:</b></p> <ul style="list-style-type: none"> <li>Pharmacy in Practice</li> <li>Practical Pharmaceutics</li> <li>Clinical Medicine Use</li> <li>Pharmacy Business Environment</li> </ul> <p><b>Electives (one of the following):</b></p> <ul style="list-style-type: none"> <li>Health &amp; Wellness Promotion or</li> <li>ICT in Pharmacy</li> </ul> <p>In order to register with the South African Pharmacy Council students must also complete a three month internship after obtaining the HCert: Pharmacy (Support). This internship may be done in hospitals, community (retail) pharmacies, or pharmaceutical manufacturing industry.</p>	Full-time 1 year	24 - 27	28	<ul style="list-style-type: none"> <li>Minimum NSC requirements for higher certificate entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 4 (50-59%)</li> <li>Life Sciences 3 (40-49%)</li> </ul> <p>Places are limited and admission is subject to selection.</p>	<p>Choosing a profession in pharmacy will give you access to a range of different work environments allowing you to find your niche in a dynamic and rapidly evolving industry.</p> <p>As a pharmacy technical assistant, you would be able to practice in any sector of pharmacy, i.e. manufacturing, wholesale, community or institutional pharmacy. Main functions relate to the medicine supply management cycle, assisting with the selection and preparation of products for dispensing by the pharmacist, assisting in the manufacturing of non-sterile medicines and other general administrative functions.</p>
<b>Bachelor of Pharmacy (BPharm)</b>						
<b>BPharm (Pharmacy)</b>	<p><b>The programme covers four main subject areas:</b></p> <ul style="list-style-type: none"> <li>Pharmacology and Applied Therapeutics,</li> <li>Pharmaceutical Chemistry,</li> <li>Pharmaceutics, and</li> <li>Pharmacy Practice.</li> </ul> <p>Research elective courses are offered in the final year of study. In order to register as a pharmacist with the South African Pharmacy Council, after obtaining the BPharm degree, students must successfully complete one year internship and one year's compulsory community service. The internship year may be done in hospitals, community (retail) pharmacies, the pharmaceutical manufacturing industry, or in academia if continuing with postgraduate studies.</p>	Full-time 4 years	35 - 37	38	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 5 (60-69%)</li> <li>Physical Sciences 5 (60-69%)</li> </ul> <p>Places are limited and admission is subject to selection.</p>	<p>There is a critical shortage of pharmacists in South Africa as well as internationally.</p> <p>As experts in medicines, pharmacists are responsible for the manufacture and distribution of medicines used to treat and prevent disease in people and animals.</p> <p>Pharmacists are employed in, and often own, community (retail) pharmacies. In hospital pharmacies, they dispense medicines and review their use, while in the pharmaceutical manufacturing industry they make test and market medicinal products.</p> <p>Educational institutions also employ pharmacy graduates as lecturers and researchers.</p>

## Faculty of Law

*Defining tomorrow*

**Admissions offices**  
Port Elizabeth campuses: 041 504 1111

**Faculty Administration**  
041 504 2588 / 2474

**law.nmmu.ac.za**  
**admissions@nmmu.ac.za**  
**info@nmmu.ac.za**

If you have a heart for what is right and just, along with an astute mind, then perhaps you would like to become a legal professional. At NMMU we equip you for the cause of justice by instilling you with relevant legal know-how and exposing you to critical debates on the law. Since NMMU provides various legal services to the community, students obtain crucial practical experience that enables them to better serve society and define the legal needs of tomorrow.

Department of Private Law

Department of Mercantile Law

Department of Criminal and Procedural Law

Department of Public Law





Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
<b>Bachelor of Law (LLB)</b>						
<b>LLB (Law in Practice) Extended Curriculum</b>	Applicants who do not qualify for admission to the four-year LLB may be admitted to the extended five-year programme. Admission is subject to the discretion of the dean of the faculty and the outcome of access testing.	Full-time 5 years	28 - 37		<ul style="list-style-type: none"> <li>Minimum NSC requirements for degree entry must be met. In exceptional cases however, candidates who only meet the admission requirements for diploma entry may be considered.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or</li> <li>Mathematical Literacy 4 (50-59%).</li> </ul> <p>Candidates must perform satisfactorily in the NMMU access assessment test.</p>	The LLB degree offers entry to all branches of the legal profession. Those planning to practice as attorneys or advocates must follow the LLB degree with specialised practical training and a professional examination. There are also career opportunities in the civil service for public prosecutors and public defenders, while legal advisers are employed in business and government.
<b>LLB (Law in Practice)</b>	<p>The four-year undergraduate LLB is a career-focused programme that is now the standard national qualification for entrance to all branches of the legal profession. The programme is designed to ensure that graduates acquire both the legal knowledge and the skills to apply the law in practice. The legal Skills and Practice course provides students with some basic practical skills and an introduction to the legal work environment. In the fourth year, students may choose from a number of elective courses, allowing them to develop additional knowledge in areas such as environmental law, tax law, attorneys' practice, information technology (IT) law, maritime law, and tourism law.</p> <p><b>Practical experience:</b> The faculty's Law Clinic provides senior students with the opportunity to gain valuable practical experience by offering free legal services to needy people. The faculty is also home to the Eastern Cape Street Law project, where students become involved in educating the public about their legal rights and responsibilities.</p>	Full-time 4 years	28 - 37	38	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 4 (50-59%).</li> <li>Candidates who do not meet the Mathematics or Mathematical Literacy requirements may be required to take an additional numeracy module.</li> </ul>	The LLB degree offers entry to all branches of the legal profession. Those planning to practice as attorneys or advocates must follow up their LLB degree with specialised practical training and a professional examination. There are also career opportunities in the civil service for public prosecutors and public defenders, while legal advisers are employed in business and government. Experienced legal practitioners may be appointed as magistrates or as judges of the High Court. Persons with a law degree and some practical experience are also in demand in a wide variety of positions outside normal legal practice.
<b>LLB (Law in Practice)</b>	A BCom degree obtained at NMMU followed by the two-year LLB degree provides an alternative route to the legal profession, and also widens your career choices. For more information, see the BCom and BCom (Rationum) information under the Faculty of Business & Economic Sciences.	Full-time 2 years			BCom (Law) obtained from NMMU.	The LLB degree offers entry to all branches of the legal profession. Those planning to practice as attorneys or advocates must follow up their LLB degree with specialised practical training and a professional examination. There are also career opportunities in the civil service for public prosecutors and public defenders, while legal advisers are employed in business and government. Experienced legal practitioners may be appointed as magistrates or as judges of the High Court.

## Street Law Unit

The primary aim of the Street Law programme is to introduce legal, human rights and democracy education to various sectors of the community in the Eastern Cape. Street Law is designed to provide a practical understanding of the law, human rights and aims to inform people about the laws that affect them in their everyday life. Street Law is a practical course which involves group discussions, problem-solving, critical thinking, debates, mock trials and excursions. The Street Law programme is presented to school learners, teachers, community and youth organisations, church groups, children in places of safety and prisoners. The objectives of the NMMU Street Law programme include, *inter alia*, to:

- Make people aware of their legal rights and how the existing legal system can be used to protect them;
- Educate people on how to access the South African judicial system;
- Improve understanding of the principles of democracy;
- Encourage people to think about the arguments for and against certain laws and to help them to be tolerant of opposing points of view;
- Encourage people to use alternative ways of resolving disputes, such as mediation, arbitration and negotiation, instead of taking the law into their own hands or resorting to violence.

### **More information on the street law programme and its projects can be obtained from:**

Ms Lindi Coetzee • Programme Director • Faculty of Law  
Tel: 041 504 2077 • E-mail: [lindi.coetzee@nmmu.ac.za](mailto:lindi.coetzee@nmmu.ac.za) • Website: [www.nmmu.ac.za/law](http://www.nmmu.ac.za/law)

## Institute for Law in Action (ILA)

The Institute for Law in Action is situated in the Faculty of Law and it consists of 3 centres, namely Sustainable Development, Government Support and Access to Justice. The centres are mainly focused on training, consultancy services and community outreach through the provision of legal advice and assistance. It has succeeded in establishing itself as a leading service provider for the establishment of Municipal Codes (writing and promulgation of full sets of by-laws), the implementation of Codes and the training of municipal staff in the enforcement thereof. The primary aim is to improve the levels of service delivery by the different spheres of government, to increase access to justice for the less fortunate sections of society, focus on the overall improvement of public sector governance and the building of general managerial and administrative capacity within the ranks of the various sectors of South African civil society through: Objectives include, *inter alia*, to

- Improve the skills and capacity of those who are involved in public affairs, and who can make a contribution towards improving service delivery.
- Assist public authorities to establish or improve public policies and legislation to effectively manage public problems and issues.
- Assist communities to improve their quality of life through creating access to legal resources.
- Assist communities and especially poverty stricken/indigent communities in efforts to improve their quality of life.
- Improve local government, through increasing the effectiveness of councillors, officials, ward committees and community participation.
- Publish research output, making the results of technical reports available for the benefit of communities and society at large and engaging appropriate government departments, NGO's and CBO's.
- Develop appropriate technologies to serve the public sector and civil society.

### **Additional information on this institute and its projects can be obtained from:**

Professor Hennie van As • Director • Faculty of Law  
Tel: 041 504 1193 • E-mail: [hennie.vanas@nmmu.ac.za](mailto:hennie.vanas@nmmu.ac.za) • Website: [www.nmmu.ac.za/law](http://www.nmmu.ac.za/law)

## Law Clinic

The primary aim of the NMMU Law Clinic is to offer an opportunity for clinical legal education to our senior law students. All the final year law students attend the clinic for 1½ hours per week. At the clinic the students have an opportunity to consult with clients, to take statements and prepare them, to determine and analyse the facts of a matter, to do research on the appropriate legislation, to apply the law to the facts and to assist in the preparation for trial, etc. The integration of theoretical knowledge and the handling of practical problem cases promote the application skills of students and make a valuable contribution to the formation of future lawyers. In addition, the Law Clinic provides legal services to the indigent members of Port Elizabeth and the surrounding towns. Legal services, owing to their costs, have become inaccessible to a large part of the South African population. In Port Elizabeth and environs the need for these services are immense. The legal aid rendered directly by the clinic is of a divergent nature, including the conducting of consultation and provision of legal advice, liaison, negotiation and correspondence with various parties such as state departments, attorneys, businesses, financial institutions, etc. The work also naturally includes appearances by the attorneys and candidate attorneys employed by the clinic in various Courts. The clinic deals with an approximately 2 000 clients and make approximately 300 court appearances on behalf of the clients every year.

The Law Clinic also provides training to ten (10) candidate attorneys per year. In appointing these candidate attorneys preference is given to NMMU Alumni from a disadvantaged background.

### **Additional information on the Law Clinic and its projects can be obtained from:**

Mr RDJ Coetzee • Deputy-Director of the Law Clinic • Faculty of Law  
Tel: 041 504 1273 • E-mail: [dolf.coetzee@nmmu.ac.za](mailto:dolf.coetzee@nmmu.ac.za) or [charlene.pieterse@nmmu.ac.za](mailto:charlene.pieterse@nmmu.ac.za)

# Faculty of Science

*Discovering tomorrow*

**Admissions offices**  
Port Elizabeth campuses: 041 504 1111  
George Campus: 044 801 5111

**Faculty administration**  
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**science.nmmu.ac.za**  
**admissions@nmmu.ac.za**  
**info@nmmu.ac.za**

Think Science. Think experiments. Think NMMU. We have what it takes to make breakthroughs in improving our world for future generations. Our staff is committed and talented, our facilities top-notch and our drive to put you at the cutting edge of research, technology and innovation is undeniable. Be it conservation science, renewable energy or physics, we're offering you an opportunity to be part of the excitement in discovering tomorrow.

## School of Biomolecular & Chemical Sciences

Department of Biochemistry & Microbiology  
Department of Chemistry  
Department of Textile Science

## School of Computer Science, Mathematics, Physics and Statistics

Department of Computing Sciences  
Department of Mathematics & Applied Mathematics  
Department of Physics  
Department of Statistics

## School of Environmental Sciences

Department of Agriculture & Game Ranch Management  
Department of Botany  
Department of Geosciences (Geography & Geology)  
Department of Zoology

## George Campus

## School of Natural Resource Management

Agricultural Management  
Forestry  
Game Ranch Management  
Nature Conservation  
Wood Technology





Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
<b>National Higher Certificate (NHCert)</b>						
<b>NHCert (Leather Technology)</b>	This programme is the only one of its kind offered in South Africa. It is run jointly by NMMU and the International School of Tanning Technology, based in Grahamstown. South Africa is the largest producer of automotive upholstery leather in the world.	Part-time 2 years with 6 two-week compulsory practical courses			<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 5 (60-69%).</li> <li>Physical Sciences 2 (30-39%)</li> </ul> <p>If applicant presents with Mathematical Literacy instead of Mathematics, additional modules may be added to the programme, which will extend the length of the programme.</p>	Employment in the tanning or chemical supply industries.
<b>National Diploma (NDip)</b>						
<b>NDip (Agricultural Management)*</b> (also offered in George Campus)	This diploma course teaches the problem solving and situation analysis skills needed to effectively manage an agricultural enterprise.	Full-time 3 years (including 1 year in-service training)	22 - 29	30	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 3 (40-49%).</li> </ul> <p><b>RECOMMENDED NSC SUBJECTS:</b> Economics, Agricultural Management Practices, Agricultural Sciences, Agricultural Technology, Life Sciences, Accounting.</p>	Work opportunities in agricultural management are to be found with cooperatives, chemical companies, on farms (as farm managers), in the civil service and with all companies that provide agricultural products or services.
<b>NDip (Analytical Chemistry)</b>	<p>This programme consists of two years full-time study at NMMU followed by a year of in-service training in a suitable laboratory.</p> <p>The study of Chemistry involves investigation, observation, measurement, critical thinking, problem solving and scientific reasoning. Chemistry being a central science is studied together with other related science disciplines.</p> <p>Practical lab work and theoretical studies form an essential part of chemistry programmes at NMMU.</p>	Full-time 3 years	24 - 33	34	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 3 (40-49%)</li> <li>Physical Sciences 3 (40-49%)</li> </ul> <p>If an applicant has not taken the optional Mathematics topics, additional modules may be added to the programme, which might extend the length of the programme.</p>	The work of an analytical chemist or chemical technician differs from one industry to another. It may range from analysing traces of pesticides in milk to determining manganese in steel or checking raw materials used in the making of chocolate. It may also involve checking the purity of solvents used for making paints or analysing pharmaceutical products. You could also be involved in research or process development or be in charge of a laboratory.
<b>NDip (Game Ranch Management)*</b> (also offered in George Campus)	<p>This programme includes thorough training in the fields of game science, game ranch ecology, game ranch management, game health management, soil science, rangeland studies, game utilisation and computer usage.</p> <p>Throughout the programme, compulsory tours and excursions to some of the country's top game parks and reserves as well as to meat processors and exporters are included to ensure that students receive maximum exposure to the game industry.</p> <p>Two years' of study are spent at NMMU and one year is spent in practice undergoing experiential training.</p>	Full-time 3 years (including 1 year in-service training)	22 - 29	30	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 3 (40-49%).</li> </ul> <p><b>RECOMMENDED NSC SUBJECTS:</b> Economics, Agricultural Management, Agricultural Sciences, Life Sciences, Accounting.</p>	Game ranchers work mainly on private game ranches, game farms and nature reserves. Opportunities are available to manage ecotourism ventures in national parks, provincial nature conservation departments, services councils and municipalities.

Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
<b>NDip (Polymer Technology)</b>	<p>Polymer technology can be described in brief as the manufacture, processing, analysis and application of long chain molecules. Materials that are typically classified as polymers include: plastics, paints, rubber, foams, adhesives, sealants, varnishes etc.</p> <p>The programme includes in-depth training in chemistry, and engineering and manufacturing practices related to the field.</p>	Full-time 3 years	22 - 31	32	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 3 (40-49%)</li> <li>Physical Sciences 3 (40-49%)</li> </ul> <p>If an applicant has not taken the optional Mathematics topics, additional modules may be added to the programme, which might extend the length of the programme.</p>	Employment opportunities exist in the motor manufacturing and related supply and service industries, such as paint, tyre and plastic-component industries.
<b>Diploma (Chemical Process Technology)</b>	<p>The course is currently the only one of its kind in South Africa. Hands-on practical training includes training in the only working pilot chemical production facility at a South African university which provides for seamless intergradation into a real-life work environment.</p> <p>This qualification comprises a mixture of disciplinary-based courses in chemistry, physics, engineering, statistics, mathematics and computer technology.</p> <p>Apart from the formal course and practical work at NMMU's modern laboratories and Chemical Pilot Plant, the course also includes a six-month experience-based learning component in an industrial setting where skills and knowledge acquired at university are integrated and applied under real-life working conditions.</p>	Full-time 3 years	26 - 33	34	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 4 (50-59%)</li> <li>Physical Science 4 (50-59%).</li> </ul> <p><b>or</b></p> <p>An N3 certificate with a minimum of 60% in Mathematics and Engineering Science and 50% for any other electives subject to admissions and placement testing.</p>	<p>Chemical Process Technician.</p> <p>The graduate will be able to find quality employment in a wide variety of industries, nationally and internationally, as this education foundation is designed with industry participation to meet the needs of the chemical and petroleum industry.</p>
<b>Bachelor of Technology (BTech) (The BTech degree forms the fourth year of study after completing the national diploma)</b>						
<b>BTech (Agricultural Management)*</b> (also offered in George Campus)	<p>This programme is offered on a block release basis. This means that students attend two study schools of one week and two weeks per year. Students master the skills and knowledge needed by means of self study and project work. The method of delivery makes it possible for working persons to register for the degree. If sufficient demand exists, the degree is also offered on a full-time basis.</p>	Full-time 1 year or block release 2 years			<p>An applicable three-year tertiary qualification or equivalent qualification.</p> <p>Academic qualifications, as well as relevant work experience, will be taken into account during selection. Students with less than two years' relevant experience will be required to write an admission test. Recognition of prior learning (RPL) will be considered.</p>	Work opportunities in agricultural management are to be found with co-operatives, chemical companies, on farms (as farm managers), in the civil service and with all companies that provide agricultural products or services.
<b>BTech (Chemistry)</b>	<p>This programme forms the fourth year of study in Analytical Chemistry. The standard of this programme is high and offers a high degree of specialisation.</p> <p>The course includes four major fields:</p> <ul style="list-style-type: none"> <li>Analytical Chemistry IV</li> <li>Inorganic Chemistry IV</li> <li>Organic Chemistry IV</li> <li>Physical Chemistry IV</li> </ul>	Full-time 1 year Part-time 2 years			NDip (Analytical Chemistry) or any other equivalent qualification.	Work as an analytical chemist or chemical technician differs from one industry to another. It may range from analysing traces of pesticides in milk to determining manganese in steel or checking raw materials used in the making of chocolate. It may also involve checking the purity of solvents used for making paints or analysing pharmaceutical products. You could also be involved in research or process development or be in charge of a laboratory.
<b>BTech (Polymer Technology)</b>	<p>This programme consists of advanced training in polymer science and focus areas of either rubber technology or paint technology.</p>	Full-time 1 year Part-time 2 years			NDip (Rubber or Polymer Technology) or equivalent qualification.	Employment opportunities exist in the motor-manufacturing and related supply and service industries, such as paint, tyre and plastic-component industries.

Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
<b>BTech (Game Ranch Management)*</b> (also offered in George Campus)	The programme consists of advanced training in both technical and management skills. Aspects such as financial management, strategic management and game production are studied in detail.	Full-time 1 year or block release two-years			An applicable three-year tertiary qualification or equivalent. Academic qualifications, as well as relevant work experience, will be taken into account. Recognition of prior learning (RPL) will also be considered.	Game ranchers work mainly on private game ranches, game farms and nature reserves. Opportunities are available to manage ecotourism ventures in national parks, provincial nature conservation departments, services councils and municipalities.
<b>Bachelor of Science (BSc) - Extended Curriculum</b>						
<b>BSc: Biological Sciences Extended Curriculum</b> • Biochemistry • Chemistry • Microbiology	This programme for BSc studies provides alternative university access to students who have the potential to succeed, but do not meet the minimum admission requirements for the mainstream programme.  The purpose of the programme is to integrate additional academic support and skills development with mainstream courses in order to prepare the student for successful completion of the BSc degree.	Full-time 4 years	30 - 39		<ul style="list-style-type: none"> <li>Minimum NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%)</li> <li>Physical Science 2 (30-39%)</li> <li>Candidates must perform satisfactorily in the NMMU access assessment test.</li> </ul>	The BSc degree should be seen as a stepping-stone which provides a foundation for a career in science. Career opportunities vary depending in which field you graduate and/or obtain a postgraduate qualification in.
<b>BSc: Biological Sciences Extended Curriculum</b> • Marine Biology • Conservation biology • Ecology • Environmental management & Coastal zone management	This programme for BSc studies provides alternative university access to students who have the potential to succeed, but do not meet the minimum admission requirements for the mainstream programme.  The purpose of the programme is to integrate additional academic support and skills development with mainstream courses in order to prepare the student for successful completion of the BSc degree.	Full-time 4 years	30 - 39		<ul style="list-style-type: none"> <li>Minimum NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%)</li> <li>Physical Science 2 (30-39%)</li> <li>Candidates must perform satisfactorily in the NMMU access assessment test.</li> </ul>	The BSc degree should be seen as a stepping-stone for a career in science. Career opportunities vary depending in which field you graduate and/or obtain a postgraduate qualification in.
<b>BSc (Environmental Sciences) Extended Curriculum</b>	This programme for BSc studies provides alternative university access to students who have the potential to succeed, but do not meet the minimum admission requirements for the mainstream programme.  The purpose of the programme is to integrate additional academic support and skills development with mainstream courses in order to prepare the student for successful completion of the BSc degree.	Full-time 4 years	30 - 39		<ul style="list-style-type: none"> <li>Minimum NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%)</li> <li>Candidates must perform satisfactorily in the NMMU access assessment test.</li> </ul>	The BSc degree should be seen as a stepping-stone for a career in science. Career opportunities vary depending in which field you graduate and/or obtain a postgraduate qualification in.
<b>BSc: Geosciences (Geology &amp; Geography) Extended Curriculum</b>	This programme for BSc studies provides alternative university access to students who have the potential to succeed, but do not meet the minimum admission requirements for the mainstream programme.  The purpose of the programme is to integrate additional academic support and skills development with mainstream courses in order to prepare the student for successful completion of the BSc degree.	Full-time 4 years	30 - 39		<ul style="list-style-type: none"> <li>Minimum NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%)</li> <li>Candidates must perform satisfactorily in the NMMU access assessment test.</li> </ul>	The BSc degree should be seen as a stepping-stone for a career in science. Career opportunities vary depending in which field you graduate and/or obtain a postgraduate qualification in.
<b>BSc (Information Systems) Extended Curriculum</b>	This programme for BSc studies provides alternative university access to students who have the potential to succeed, but do not meet the minimum admission requirements for the mainstream programme.  The purpose of the programme is to integrate additional academic support and skills development with mainstream courses in order to prepare the student for successful completion of the BSc degree.	Full-time 4 years	28 - 37		<ul style="list-style-type: none"> <li>Minimum NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 3 (40-49%)</li> <li>Candidates must perform satisfactorily in the NMMU access assessment test.</li> </ul>	The BSc degree should be seen as a stepping-stone for a career in science. Career opportunities vary depending in which field you graduate and/or obtain a postgraduate qualification in.



Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
<b>Bachelor of Science (BSc)</b>						
<b>BSc (Biochemistry, Chemistry &amp; Microbiology)</b>	BSc with two majors chosen from Biochemistry, Chemistry and Microbiology.	Full-time 3 years	30 - 39	40	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 4 (50-59%)</li> </ul>	Career opportunities exist in industry (chemical, food, and biotechnological), teaching, research (medical, agriculture, chemistry, sport, and nutrition).
<b>BSc (Applied Mathematics, Computer Science, Mathematical Statistics &amp; Physics)</b>	BSc with majors in Applied Mathematics and Mathematical Statistics.	Full-time 3 years	30 - 39	40	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 4 (50-59%)</li> </ul>	Leads to a career in industrial Mathematics which is the problem driven blend of Mathematics and Statistics that uses mathematical technologies to solve industrial problems. Industrial mathematics is an independent field which studies all mathematical methods that are directly relevant to industry.
	BSc with majors in Applied Mathematics and Physics.	Full-time 3 years	30 - 39	40	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 4 (50-59%)</li> </ul>	Leads to a career in computational physics which is the study and implementation of numerical algorithms in order to solve problems in physics for which a quantitative theory already exists.
	BSc with majors in Physics and Computer Science or Computer Science & Information Systems.	Full-time 3 years	30 - 39	40	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 4 (50-59%)</li> </ul>	This programme provides for a combination of the problem solving skills and analytical thinking developed through physics and computer science which is an interface between science, technology, engineering, and business. Graduates can enter a variety of careers in business, banking, the government and the military.
	BSc with majors in Computer Science & Information Systems and Mathematics	Full-time 3 years	30 - 39	40	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 4 (50-59%)</li> </ul>	This programme provides a powerful platform for entering a variety of employment opportunities in business.
<b>BSc (Biological Sciences)</b> <ul style="list-style-type: none"> <li>Marine Biology</li> <li>Conservation biology</li> <li>Ecology</li> <li>Environmental management &amp; Coastal zone management</li> </ul>	BSc with majors in Botany and Zoology.	Full-time 3 years	30 - 39	40	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 4 (50-59%)</li> </ul>	Career opportunities exist in the fields of marine biology, conservation biology, ecology, environmental management, and coastal management.
<b>BSc (Environmental Sciences)</b>	BSc with two of the following majors: Geography, Geology, Botany, Zoology or Chemistry.	Full-time 3 years	30 - 39	40	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 4 (50-59%)</li> </ul>	Various career opportunities exist in mining, water affairs, environmental affairs, as well as in consulting and civil engineering.

Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
<b>BSc: Geosciences (Geology &amp; Geography)</b>	BSc with majors in Geography and Geology.	Full-time 3 years	30 - 39	40	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 4 (50-59%)</li> </ul>	Graduates can follow careers as geographers or geologists. Various career opportunities exist in mining, water affairs, environmental affairs, as well as in consulting and civil engineering.
<b>BSc (Human Movement Science &amp; Biochemistry)</b>	Human Movement Science can also be combined with Physiology & Biochemistry in a BSc degree.	Full-time 3 years	30 - 39	40	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 4 (50 - 59%)</li> </ul>	<p>Career opportunities include teaching, school and professional sport coaching, exercise and fitness instruction, sport management lecturing and research, sport psychology, biokinetics, and sport science.</p> <p>The latter three occupations would require an additional postgraduate qualification.</p>
<b>BSc (Information Systems)</b>	This programme provides for a combination of problem solving skills, programming design and application development. The BSc (IS) also provides a powerful platform for entering a variety of employment opportunities in business, government and the banking industry. It also leads to various postgraduate programmes.	Full-time 3 years	28 - 37	38	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 4 (50-59%)</li> </ul>	Graduates can follow careers such as web developer, systems analyst, IT project manager, programmer, Environment consultant, and IT manager.
<b>BSc (Materials Development)</b>	<p>BSc with two majors chosen from Chemistry, Mathematics or Physics.</p> <p>This programme will also launch you into a postgraduate programme at NMMU in solid state physics, electron microscopy, crystal growth, optical fibre studies and renewable energy; all with an emphasis on materials development.</p> <p>In addition, the programme provides a platform from which students can enter the field of materials science and engineering. Materials scientists develop and analyze various alloys, ceramics and other novel materials. As such they play an increasingly important role in adding value to the range of minerals mined in South Africa.</p>	Full-time 3 years	30 - 39	40	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 4 (50-59%)</li> </ul>	<p>The curriculum is based on the three cornerstone subjects in science (Mathematics, Physics and Chemistry) and provides an excellent basis for postgraduate studies in these subjects.</p> <p>Furthermore, it offers a sensible subject combination for persons wishing to teach Physical Science and / or Mathematics up to senior secondary level.</p>

## CUTTING-EDGE FACULTY

The Science Faculty is at the heart of new things – inventions, sustainable processes and programmes. The following are but a few of the many additional activities on the go in this cutting-edge faculty.

### NCS-UP Mathematics Programme

The NCS-UP Mathematics upgrade programme is a structured, short learning programme of 12 days that covers the core topics of the NCS Mathematics school syllabus. This initiative, which was implemented under the auspices of the Govan Mbeki Mathematics Development Unit, aims to address the need to create greater access into study programmes with a Mathematics pre-requisite.

**For more information:**

**Prof Werner Olivier • Tel: 041 504 2305 • Fax: 041 504 2305 • E-mail: waolivier@nmmu.ac.za**

### Telkom Centre of Excellence

The Centres of Excellence (CoE) programme was developed by Telkom SA to research various aspects of telecommunications. Currently the NMMU CoE consist of three units:

- Distributed Multimedia Applications (DMA) Unit in the Department of Computing Sciences
- The Optical Fibre Research (OFR) Unit in the Department of Physics
- The Photovoltaics (PV) Unit in the Department of Physics

**For more information:**

**Mrs Desma Van Der Walt • CoE Admin Assistant • Tel: 041 504 2322 • Fax: 041 504 2831 • E-mail: desma.vanderwalt@nmmu.ac.za**

### NMMU Institute for Chemical Technology and Downstream Chemicals Technology Station

InnoVenton, NMMU's Institute for Chemical Technology strives to be self-sustaining through income generated from services to industry, income from technology transfer projects and royalties from patents. Its principle research focus is Applied Chemistry in Product and Process Development.

**For more information:**

**Tel: 041 504 3281/3613 • Fax: 041 504 3422/9613 • E-mail: info.InnoVenton@nmmu.ac.za**

### Integrated Environmental and Coastal Management

The IECM is dedicated to researching all aspects of the coastal zone environment. Using the knowledge and expertise derived from this research, they provide an environmental service for the benefit of all people living in the coastal zone of Africa. Special emphasis is placed on long-term sustainability of the natural environment.

**For more information:**

**Tel: 041 504 2877 • Fax: 041 583 2317 • E-mail: iecm@nmmu.ac.za**

# George Campus

*Growing tomorrow*

NMMU's George Campus at Saasveld focuses specifically on the environment, business and management – key issues in sustainable development – and aims to develop students' insights, skills and practical know-how, which can help them make a real difference in the conservation, agriculture, forestry, business, accounting, tourism and education fields. The relatively small campus in pristine, natural conditions ensures individual attention in a safe learning environment. Furthermore, the campus is renowned for its close links with the respective industries and entrepreneurial training. It is therefore an ideal choice for those interested in new ways of learning at the meeting place between the environment, business and management.

## Faculty of Business & Economic Sciences

Accounting

Business Management

Economics

Management

Marketing

Tourism Management

## Faculty of Science

Agricultural Management

Forestry

Game Ranch Management

Nature Conservation

Wood Technology

**Admissions office**  
044 801 5048 / 5566

**georgecampus.nmmu.ac.za**  
**george-info@nmmu.ac.za**







## FACULTY OF SCIENCE

Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
<b>National Diploma (NDip)</b>						
<b>NDip (Agricultural Management) Extended Curriculum</b>	<p>This programme consists of three years of applied theoretical and one year experiential training. It provides alternative university access to students who have the potential to succeed, but do not meet the minimum admission requirements for the mainstream programme.</p> <p>The purpose of the programme is to integrate additional academic support and skills development with mainstream courses in order to prepare the student for successful completion of the national diploma in Agricultural Management.</p>	Full-time 4 years	22 - 29		<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met. In exceptional cases however, candidates who only meet the minimum NSC requirements for certificate entry may be considered.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Candidates must perform satisfactorily in the NMMU access assessment test.</li> </ul>	See career opportunities below.
<b>NDip (Agricultural Management)</b>	<p>This programme consists of two years applied theoretical and one year experiential training. Students gain a sound grounding in animal and plant biology, ecology, financial management, human resource management, marketing, law and computer applications. During experiential training students work with experienced agri-business managers who act as role models and mentors in order to gain workplace experience and practical skills.</p>	Full-time 3 years	22 - 29	30	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 3 (40-49%).</li> </ul>	Work opportunities in agricultural management are to be found with cooperatives, chemical companies, on farms (as farm managers), in the civil service and with all companies that provide agricultural products or services.
<b>NDip (Forestry) Extended Curriculum</b>	<p>This programme consists of three years of applied theoretical and one year experiential training. It provides alternative university access to students who have the potential to succeed, but do not meet the minimum admission requirements for the mainstream programme.</p> <p>The purpose of the programme is to integrate additional academic support and skills development with mainstream courses in order to prepare the student for successful completion of the national diploma in Forestry.</p>	Full-time 4 years	22 - 31		<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met. In exceptional cases however, candidates who only meet the minimum NSC requirements for certificate entry may be considered.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Candidates must perform satisfactorily in the NMMU access assessment test.</li> </ul>	See career opportunities below.
<b>NDip (Forestry)</b>	<p>This programme consists of two years applied theoretical and one year experiential training. Students gain a sound grounding in all aspects pertaining to sustainable forest management, such as silviculture, forest management, forest engineering, cost &amp; management accounting, economics and environmental management. This foundation enables students to work in any field related to the global forestry industry. During experiential training, students work at an appropriate site in the industry with experienced foresters and/or forestry contractors acting as role models and mentors. The student gains invaluable technical experience, expanded work perspective and ingrained work ethics.</p>	Full-time 3 years	22 - 31	32	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 3 (40-49%) or Mathematical Literacy 5 (60-69%).</li> <li>If an applicant presents with Mathematical Literacy instead of Mathematics, he/she could be placed in an associated extended programme.</li> </ul> <p><b>RECOMMENDED NSC SUBJECTS:</b> Physical Sciences, Life Sciences</p>	Career opportunities exist at private and public forestry companies, pulpwood and mining timber growers, municipalities and other local authorities.
<b>NDip (Game Ranch Management) Extended Curriculum</b>	<p>This programme consists of three years of applied theoretical and one year experiential training. It provides alternative university access to students who have the potential to succeed, but do not meet the minimum admission requirements for the mainstream programme.</p> <p>The purpose of the programme is to integrate additional academic support and skills development with mainstream courses in order to prepare the student for successful completion of the national diploma in Game Ranch Management.</p>	Full-time 4 years	22 - 29		<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met. In exceptional cases however, candidates who only meet the minimum NSC requirements for certificate entry may be considered.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Candidates must perform satisfactorily in the NMMU access assessment test.</li> </ul>	See career opportunities below.

Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
<b>NDip (Game Ranch Management)</b>	The programme consists of two years theoretical and one year experiential training. During training, students gain a sound grounding in animal and plant biology, ecology, and human, financial and natural resource management. Lodge management and client orientated communication skills are emphasised. Opportunities to attend specialised short courses are also available on an extra-curricular basis. During the practical experiential training year, students work with experienced game ranch managers who act as role models and mentors. In this manner the student gains an expanded work perspective and an ingrained work ethic.	Full-time 3 years	22 - 29	30	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 3 (40-49%).</li> <li>If an applicant presents with Mathematical Literacy instead of Mathematics, he/she could be placed in an associated extended programme.</li> </ul> <p><b>RECOMMENDED NSC SUBJECTS:</b> Economics, Agricultural Management, Agricultural Sciences, Life Sciences, Accounting</p>	Career opportunities are in ecotourism, sport hunting, game utilisation and related fields with work mainly on game farms and at game lodges.
<b>NDip (Nature Conservation) Extended Curriculum</b>	This programme consists of three years of applied theoretical and one year experiential training. It provides alternative university access to students who have the potential to succeed, but do not meet the minimum admission requirements for the mainstream programme.  The purpose of the programme is to integrate additional academic support and skills development with mainstream courses in order to prepare the student for successful completion of the national diploma in Nature Conservation.	Full-time 4 years	22 - 29		<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met. In exceptional cases however, candidates who only meet the minimum NSC requirements for certificate entry may be considered.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Candidates must perform satisfactorily in the NMMU access assessment test.</li> </ul>	See career opportunities below.
<b>NDip (Nature Conservation)</b>	This programme consists of two years theoretical and one year experiential training. During theoretical training students gain a sound grounding in animal and plant biology, ecology and resource management of South African ecosystems. The increasing need for community programmes such as community conservation and environmental education are also covered. Weekly practical excursions supplement the theory. During experiential training students work with experienced conservators who act as role models and mentors. In this manner the student gains an expanded work perspective and an ingrained work ethic.	Full-time 3 years	22 - 29	30	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 3 (40-49%).</li> </ul> <p><b>RECOMMENDED NSC SUBJECTS:</b> Life Sciences</p>	Nature conservators and game conservators find career opportunities in extension work, conservation management on nature and game reserves and estates, parks, boards, provincial nature conservation departments, private nature reserves and regional services and councils, municipalities and forestry companies.
<b>NDip (Wood Technology) Extended Curriculum</b>	This programme consists of three years of applied theoretical and one year experiential training. It provides alternative university access to students who have the potential to succeed, but do not meet the minimum admission requirements for the mainstream programme.  The purpose of the programme is to integrate additional academic support and skills development with mainstream courses in order to prepare the student for successful completion of the national diploma in Wood Technology.	Full-time 4 years	22 - 31		<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met. In exceptional cases however, candidates who only meet the minimum NSC requirements for certificate entry may be considered.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Candidates must perform satisfactorily in the NMMU access assessment test.</li> </ul>	See career opportunities below.

Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
<b>NDip (Wood Technology)</b>	<p>This programme consists of two years theoretical and one year experiential training offered on campus and at an approved wood processing facility.</p> <p>The programme covers the whole spectrum of subjects related to the working industrial environment. The subjects are packed with new and relevant information as the industry grows. Class time is also interrupted with visits to primary and secondary wood processing plants to expose students to working environments and new technology.</p>	Full-time 3 years	22 - 31	32	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 3 (40-49%) or Mathematical Literacy 5 (60-69%).</li> <li>Physical Sciences 2 (30-39%)</li> <li>If an applicant presents with Mathematical Literacy instead of Mathematics, he/she could be placed in an associated extended programme.</li> </ul> <p><b>RECOMMENDED NSC SUBJECTS:</b> Engineering Graphics and Design</p>	Main employers are the softwood and hardwood sawmill companies, mining timber mills, fibre and particle board mills, timber preservation plants, roof-truss manufacturers, secondary timber product manufacturers, the furniture industry, SABS, CSIR and various machine manufacturers. Wood technologists' work relates to production, management, training, marketing and research.
<b>Bachelor of Technology (BTech) (The BTech degree forms the fourth year of study after completing the national diploma)</b>						
<b>BTech (Agricultural Management)</b>	The programme equips students with in-depth knowledge and skills in the fields of animal production systems, plant production, financial management, leadership development and strategic management.	Full-time 1 year			NDip (Agricultural Management) or equivalent qualification. Candidates will only be considered if their average pass mark for the exit level modules in the diploma is at least 60%.	Work opportunities in agricultural management are to be found with co-operatives, chemical companies, on farms (as farm managers), in the civil service and with all companies that provide agricultural products or services.
<b>BTech (Forestry)</b>	This programme provides students with an in-depth knowledge of various aspects in the field of Forestry, including silviculture, management, engineering, biometry, fire ecology, human resource management, woodland management, community forestry, business management and environmental management.	Full-time 1 year Part-time 2 years (block release)			NDip (Forestry) or equivalent qualification. Although not a requirement, it is regarded as desirable that an applicant has completed at least two years' of applicable practical service after obtaining the diploma. Candidates will only be considered if their average pass mark for the exit level modules in the diploma is at least 60%.	Career opportunities exist at private and public forestry companies, pulpwood and mining timber growers, municipalities and other local authorities.
<b>BTech (Game Ranch Management)</b>	This programme includes formal lectures, self study, applied projects and a management plan. A wide variety of electives support the core subjects.	Full-time 1 year			NDip (Game Ranch Management) or an equivalent qualification. Candidates will only be considered if their average pass mark for the exit level modules in the diploma is at least 60%.	Career opportunities are in ecotourism, sport hunting, game utilisation and related fields work will be mainly on game farms and at game lodges.
<b>BTech (Nature Conservation)</b>	This programme provides students with in-depth knowledge of conservation management, research methodology, resource management, plant studies, financial management, environmental education, freshwater management, coastal and marine management, and the principles of management.	Full-time 1 year			NDip (Nature Conservation) or equivalent qualification. Candidates will only be considered if their average pass mark for the exit level modules in the diploma is at least 60%.	Nature conservators and game conservators find career opportunities in extension work, conservation management on nature and game reserves and estates, parks, boards, provincial nature conservation departments, private nature reserves and regional services and councils, municipalities and forestry companies.
<b>BTech (Wood Technology)</b>	This programme equips diplomates with skills and knowledge in the fields of timber processing, seasoning and structures, panel board production, human resource management and environmental management, applied biometry and production engineering (industrial).	Full-time 1 year Part-time 2 years (block release)			NDip (Wood Technology) or equivalent qualification. Candidates will only be considered if their average pass mark for the exit level modules in the diploma is at least 60%.	Main employers are the softwood and hardwood sawmill companies, mining timber mills, fibre and particle board mills, timber preservation plants, roof-truss manufacturers, secondary timber product manufacturers, the furniture industry, SABS, CSIR and various machine manufacturers. Wood technologists' work relates to production, management, training, marketing and research.

## FACULTY OF BUSINESS & ECONOMIC SCIENCES

Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
<b>Dip (Management) Extended Curriculum</b>	This programme provides alternative university access to students who have the potential to succeed, but do not meet the minimum admission requirements for the mainstream programme.  The purpose of the programme is to integrate additional academic support and skills development with mainstream courses in order to prepare the student for successful completion of the diploma in Management.	Full-time 4 years	22 - 29		<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met. In exceptional cases candidates who only meet the minimum NSC requirements for certificate entry may be considered.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or</li> <li>Mathematical Literacy 5 (60-69%).</li> </ul> <p>Candidates must perform satisfactorily in the NMMU access assessment test.</p>	See career opportunities below.
<b>Dip (Management)</b>	This programme prepares students for the demands of a management position. Students who complete this diploma will be in an excellent position to manage their own business.	Full-time 3 years	22 - 29	30	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or</li> <li>Mathematical Literacy 3 (40-49%).</li> </ul>	Job opportunities exist in the fields of administrative, financial production and personnel management.
<b>Dip (Marketing) Extended Curriculum</b>	This programme provides alternative university access to students who have the potential to succeed, but do not meet the minimum admission requirements for the mainstream programme.  The purpose of the programme is to integrate additional academic support and skills development with mainstream courses in order to prepare the student for successful completion of the diploma in Marketing.	Full-time 4 years	22 - 29		<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or</li> <li>Mathematical Literacy 5 (60-69%).</li> <li>Candidates must perform satisfactorily in the NMMU access assessment test.</li> </ul>	See career opportunities below.
<b>Dip (Marketing)</b>	This diploma is acknowledged as a solid entrance-level qualification to the exciting global marketing arena. What sets this popular programme aside is its dynamic career dedicated slant. Students are exposed to relevant, exciting and broad-based career training options. The skills and knowledge obtained are in tune with the needs of both commerce and industry.  <i>* Please note that the admission requirements listed for this specific qualification may change during the year, please consult the admission office before applying.</i>	Full-time 3 years	22 - 29	30	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or</li> <li>Mathematical Literacy 3 (40-49%).</li> </ul> <p>All students will be tested for English language proficiency prior to being placed.</p>	Job opportunities exist in the fields of administrative, financial, production and personnel management.
<b>Dip (Tourism Management) Extended Curriculum</b>	This programme provides alternative university access to students who have the potential to succeed, but do not meet the minimum admission requirements for the mainstream programme.  The purpose of the programme is to integrate additional academic support and skills development with mainstream courses in order to prepare the student for successful completion of the diploma in Tourism Management.	Full-time 4 years	22 - 29		<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or</li> <li>Mathematical Literacy 5 (60-69%).</li> <li>Candidates must perform satisfactorily in the NMMU access assessment test.</li> </ul>	See career opportunities overleaf.

Columns marked with an asterisk (\*) indicate the minimum requirements for admission to a programme. Should you not meet these requirements but fall within the APS testing band you may be referred to write an access assessment test before an admissions decision is made.



Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
<b>Dip (Tourism Management)</b>	<p>This programme prepares students for an exciting career in the tourism industry. The programme is intense and covers a wide spectrum of both skills-based training and knowledge that is critical for the tourism industry. This programme is highly sought after as it caters for students seeking employment opportunities in various sectors of the tourism industry.</p> <p><i>* Please note that the admission requirements listed for this specific qualification may change during the year, please consult the admission office before applying.</i></p>	Full-time 3 years	22 - 29	30	<ul style="list-style-type: none"> <li>Minimum statutory NSC requirements for diploma entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 2 (30-39%) or Mathematical Literacy 3 (40-49%).</li> </ul>	A wide range of career opportunities are available at travel agencies, tour operators, airlines, steamship companies, tour bus companies, hotels/resort accommodation and government institutions as well as publicity bureaux and tourist information centres.
<b>Bachelor of Technology (BTech) (The BTech degree forms the fourth year of study after completing the national diploma)</b>						
<b>BTech (Marketing)</b>	<p>This programme equips students with more advanced skills and competencies at a strategy development and application level.</p> <p><b>Take note:</b> This course can only be offered if a minimum of 10 students are admitted to the course. Please consult the admissions office for more information.</p>	Full-time 1 year			Dip (Marketing) with an average of 60% in all major subjects at third-year level or alternatively appropriate work experience, should the candidate not have attained an average of 60% for all four subjects.	Marketing manager, regional sales manager, marketing research manager, sales planning manager, advertising manager, sales representative and distribution manager. Many firms draw their top people for management positions from the marketing field.
<b>BTech (Tourism Management)</b>	<p>Dip (Marketing) with an average of 60% in all major subjects at third-year level or alternatively appropriate work experience, should the candidate not have attained an average of 60% for all four subjects.</p> <p><b>Take note:</b> This course can only be offered if a minimum of 10 students are admitted to the course. Please consult the admissions office for more information.</p>	Full-time 1 year			Dip (Tourism Management) with an average of 60% in all major subjects at third-year level or alternatively appropriate work experience, should the candidate not have attained an average of 60% for all four subjects.	Employment opportunities in various sectors: transport (airlines, sea travel companies, car hire), travel services (travel agencies, tour operators, information bureaux), hospitality services (hotels, guesthouses) and attractions (national parks, theme parks, conference centres).
<b>Bachelor of Commerce (BCom)</b>						
<b>BCom: General Extended Curriculum</b>	<p>The extended curriculum programme for BCom studies provides alternative university access to students who have the potential to succeed, but do not meet the minimum admission requirements for the mainstream programme. The purpose of the programme is to integrate additional academic support and skills development with mainstream courses in order to prepare the student for successful completion of the BCom degree.</p> <p>The following BCom extended curriculum qualifications are offered:</p> <ul style="list-style-type: none"> <li>Accounting for Chartered Accountants</li> <li>Accounting &amp; Related Subjects</li> <li>Business Management</li> <li>Economics</li> </ul>	Full-time 4 years	28 - 37		<ul style="list-style-type: none"> <li>Minimum NSC requirements for degree entry must be met. In exceptional cases however, candidates who only meet the NSC requirements for diploma entry may be considered.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 3 (40-49%).</li> </ul> <p>Candidates must perform satisfactorily in the NMMU access assessment test.</p>	The same as for the three-year BCom degree in a chosen field.
<b>BCom: General (Business Management)</b>	This programme opens up a wide variety of career options in the business world and includes fields such as entrepreneurship, business environments, marketing and strategic management.	Full-time 3 years	28 - 37	38	<ul style="list-style-type: none"> <li>Minimum NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 4 (50-59%) or Mathematical Literacy 7 (80% and above).</li> </ul> <p>If applicant presents with Mathematical Literacy instead of Mathematics, he/she could be placed in an extended programme or modules may be added to which could extend the length of the course.</p>	Banker, business manager, financier, economist, industrial psychologist, human resources manager, marketing manager, training manager, teacher, statistician, financial manager, accountant, insurance broker, mathematician, management consultant, auditor, law advisor, labour relations expert, income tax consultant, small business consultant or an entrepreneur.

Qualification	Programme overview	Delivery mode & duration of study	APS testing band	APS*	Admission requirements*	Career opportunities
<b>BCom: General (Economics)</b>	This programme opens up a wide variety of career options in the business world and includes fields such as entrepreneurship, business environments, marketing and strategic management.	Full-time 3 years	28 - 37	38	<ul style="list-style-type: none"> <li>Minimum NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 4 (50-59%) or Mathematical Literacy 7 (80% and above).</li> </ul> <p>If applicant presents with Mathematical Literacy instead of Mathematics, he/she could be placed in an extended programme or modules may be added to which could extend the length of the course.</p>	Banker, business manager, financier, economist, industrial psychologist, human resources manager, marketing manager, training manager, teacher, statistician, financial manager, accountant, insurance broker, mathematician, management consultant, auditor, law advisor, labour relations expert, income tax consultant, small business consultant or an entrepreneur.
<b>BCom (Accounting for Chartered Accountants)</b>	<p>This programme is prescribed for candidates who intend to qualify as a chartered accountant (CA). The programme focuses on financial accounting, auditing, taxation and management accounting. Graduates of this programme need to complete a Bachelor Honours degree in Accounting followed by a period of practical training and professional examinations in order to register as Chartered Accountants (SA).</p> <p>NMMU is well-known for the excellent results which its graduates achieve in the professional qualifying examinations, and for the high employment rate of its graduates.</p>	Full-time 3 years	30 - 37	38	<ul style="list-style-type: none"> <li>Minimum NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 5 (60-69%).</li> </ul>	Chartered accountant (CA) or registered auditor.
<b>BCom: General Accounting &amp; Related Subjects</b>	<p>This programme is offered for students wishing to major in accounting, auditing, taxation and management accounting.</p> <p>The accounting programme is intended for students who do <b>not</b> wish to qualify as Chartered Accountants but who may wish to join the other professional institutes such as the Institute of Internal Auditors (IIA), the Association of Chartered Certified Accountants (ACCA) and the South African Institute of Professional Accountants (SAIPA) and those who do not wish to become professional accountants yet wish to include accountancy subjects as majors in their degree.</p>	Full-time 3 years	28 - 37	38	<ul style="list-style-type: none"> <li>Minimum NSC requirements for degree entry must be met.</li> <li>English, Afrikaans or isiXhosa (home language or first additional language) on at least a level 3 (40-49%).</li> <li>Mathematics 4 (50-59%) or Mathematical Literacy 7 (80% and above).</li> </ul>	This programme is intended for those planning careers in the field of accounting, but who do not intend to qualify as a chartered accountant. Possible career opportunities include: accountant, financial manager or management accountant.

## Contact details

	South Campus	North Campus	Second Avenue Campus	Missionvale Campus	George Campus
Contact Centre	041 504 1111				044 801 5111
Admission Enquiries	041 504 2593/ 2945/ 1111			041 504 1327	044 801 5048/ 5566
Marketing & Corporate Relations (Student Recruitment)	041 504 9923				044 801 5098/ 5038
Financial Aid	041 504 3182			041 504 1242	044 801 5130
Student Counseling, Career & Development Centre (SCDC)	041 504 2511	041 504 3222		041 504 1106	044 801 5051
Student Housing	041 504 1415 (On-campus) 041 504 4735/ 6(Off-campus)	041 504 1415 (On-campus) 041 504 4735/ 6(Off-campus)	041 504 1415 (On-campus) 041 504 4735/ 6 (Off-campus)	No accommodation available	044 801 5034 (On-campus) 044 801 5052 (Off-campus)
Sport Bureau	041 504 2165			041 504 1250	044 801 5037
Access Assessment Testing (CAAR)	041 504 2918	041 504 2918	041 504 2918	041 504 2918	044 801 5051
Student Health Services	041 504 2174	041 504 3364	041 504 3762	041 504 1374	044 801 5062
Postgraduate / Mature Student Enquiries	041 504 2162	041 504 2162	041 504 2162	041 504 2162	044 801 5111
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Faculties					
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Faculty of Business & Economic Sciences	Faculty Administration – 041 504 3802/ 2120				
Faculty of Education	Faculty Administration – 041 504 2125/ 4568				
Faculty of Engineering, the Built Environment and Information Technology	Faculty Administration – 041 504 3447/ 3446/ 3995/ 3480/ 3660				
Faculty of Health Sciences	Faculty Administration – 041 504 2121/ 2957/ 2956				
Faculty of Law	Faculty Administration – 041 504 2588/ 2474/ 2309				
Faculty of Science	Faculty Administration – 041 504 2268/ 2679/ 9922				
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