NELSON MANDELA

UNIVERSITY



UNDERGRADUATE PROGRAMMES

General Information & Admission Requirements

2020

Welcome

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

As you will see from this guide, Nelson Mandela University offers you an ideal environment and facilities, excellent teaching opportunities, a wide spectrum of beyond-the-classroom activities and a solid values-driven base on which and in which to pursue your future dreams.

We take particular pride in bearing the iconic name of Nelson Mandela, the late legendary statesman who transformed this country through his unwavering commitment for a more just, healthy and equal society. It is a quest that our new generation university is determined to continue.

While we have the widest range of academic and professional programmes – from diplomalevel through to doctorates – in the Eastern Cape, and offer all the modern facilities for a conducive learning environment, we also have a deep moral responsibility to live the legacy of Nelson Mandela.

Tata Madiba recognised the importance of education as a force for good, and so we commit to being a destination of choice for those who are:

- · Prospective pioneering change agents for a better world;
- · Committed to creating jobs in an entrepreneurial economy;
- Instilled with a deep need to serve and give back.

We wish to honour Nelson Mandela – especially in the centenary year of his birth - by leading our university into a new era of transformation innovation, development and change.

We invite you to be part of this exciting journey as a future Mandela student in growing your knowledge and understanding and in seeking solutions with the potential to radically improve the quality of human life and contribute towards a sustainable planet.

We soon hope to welcome you as part of the Nelson Mandela University family.

Prof Sibongile Muthwa Vice-Chancellor



About Nelson Mandela University

Nelson Mandela University is the only university in the world that carries the name of Nelson Rolihlahla Mandela. The University embraces Nelson Mandela's challenge to be "caring, responsible and innovative", and recognises the importance of continuously growing and adapting in the pursuit of knowledge and lifelong learning. We are committed to providing a welcoming and inspiring environment that is supportive, innovative, diverse and safe. Our students need to feel they are in a place of learning and discovery, founded on strong, egalitarian values that encourage them to express themselves, stretch themselves, and seek new solutions for a better world.

The University embraces Nelson Mandela's challenge to be "caring, responsible and innovative", and recognises the importance of continuously growing and adapting in the pursuit of knowledge, emancipation and lifelong learning.

The university boasts more than a century of experience in quality higher education, research and technological innovation. We unite the best traditions of both the academic and technological worlds – from entrance level (certificate) through to research level (PhD).

- We are the largest higher education institution in the Eastern and Southern Cape;
- Over 28 650 students are enrolled on seven different campuses six in Nelson Mandela Bay (Port Elizabeth), and one in George;
- Programmes are housed within seven faculties (Arts; Business & Economic Sciences; Education; Engineering, the Built Environment & Information Technology; Health Sciences; Law and Science), and in some cases, programmes are duplicated on more than one campus;
- The university's George Campus is situated at the foot of the Outeniqua Mountains in the picturesque coastal town of George.

With their spectacular natural surroundings – from beaches to mountains to game reserves – Nelson Mandela Bay and George are ideal places to spend your student years, offering all the advantages of city living in a vibrant and multi-cultural environment.

Student services

A wide range of student services and support facilities are offered on university campuses to assist you in every aspect of student life – from what to study, to finding suitable employment after graduation. The university offers a variety of social and cultural activities, which means you can have fun while you study. There is an extensive range of sport codes, associations, societies, clubs and facilities, allowing you to make new friends, interact with your fellow students and explore subjects of mutual interest.

Below are some of the various services offered to our students:

• Library and Information Services

Nelson Mandela University has a network of well-stocked libraries, computer laboratories, and student learning centres which enable students to obtain quality information resources and

services required to excel in their various academic courses. These centres are located on all campuses, and also offer students with a quiet space for studying.

• Campus Health Service

Students have access to a comprehensive primary health care service on every campus, and qualified medical personnel to assist with any health matters which may arise. 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 (SDG)

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 students with advice on the various student societies which they could join.

Arts, Culture & Heritage Unit

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 Nelson Mandela University 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 the university and campus life.

Societies

Students can become a member of numerous student-run societies enabling them to have fun with like minded students while gaining valuable leadership, communication and social skills. There are presently 76 societies active on our various campuses, and these societies are categorised as either academic, religious, developmental, social responsibility or political.

Madibaz Sport

Madibaz sport offers a wide variety of competitive and recreational sport programmes for students and staff, as well as the wider university community. These programmes provide students with the opportunity to participate in various sport and recreational activities ranging from informal social games, to highly competitive leagues where skills are tested against the best in the province and country. In addition, through the various high performance programmes coordinated by the Madibaz High Performance Complex, the university plays a major role in the process of developing elite and potentially elite players.

Madibaz sport also provides club members with excellent sport facilities, scientific based coaching programmes, which includes organisational and administrative support. 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 following sport codes are offered on the various university campuses:

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Athletics* • Athlons (Tri; Bi; Du- and Biathle) • Basketball • Chess • Cricket* • Cycling • Golf • Hockey* • Judo • Karate • Mountain Biking** • Netball* • Rugby* • Rowing • Rock Climbing** • Soccer* • Squash* • Surfing • Swimming • Table Tennis • Tennis* • Underwater-hockey • Volleyball • Water polo.
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* Also offered on George Campus **Only offered on George Campus

Welcome Madibaz

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





Admission to Nelson Mandela University

Overview

- Applications for early admission should be submitted before the August closing date. Late applications will however be considered after this date, based on academic merit, until the September closing date. Places are limited and it is therefore in your best interest to submit your application early.
- Prospective students must meet the statutory minimum requirements based on the National Senior Certificate (NSC), or equivalent schoolleaving certificate for admission to a higher certificate, diploma or degree qualification, in order to be considered.
- Admission to an undergraduate programme will be further determined by an applicant's Applicant Score (AS) and subject requirements.
- Submission of a completed application form does not mean that you have been accepted as a student, or that you may register. All prospective students are selected in accordance with the admissions policy of the university, and applicants will be notified of the outcome of their application by the admissions office.
- Provisional admission is based on your Applicant Score (AS) obtained in your Grade 11 final, or Grade 12 June or Grade 12 September examinations, and meeting the direct subject requirements. However, the final decision is based on your final Grade 12 NSC/IEB exam results.
- Once you've submitted your form, certain qualifications may require you
 to submit a portfolio of evidence, or attend an interview. Your admission
 decision will then only be made once one, or all of these additional
 requirements have been completed.
- In addition to the general university admission requirements, each programme also has its own specific requirements.
- Applicants with international or foreign qualifications must satisfy the requirements laid down by the Matriculation Board to qualify for a certificate of 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.
- There are limits to the number of students that can be admitted to each programme.
- If a programme is full, you may be denied admission even though you meet the minimum requirements.
- Prospective students who matriculated prior to 2008 must please contact the university's Admission Office to determine their admission requirements.
- For more information on the application process please contact 041 504 1111, or visit our website (myfuture.mandela.ac.za) before applying.
- Please note that admission requirements are subject to change.
 Information in this programme guide was correct as at May 2019.



Admission Requirements

National Senior Certificate (NSC)

- The table below explains what the minimum statutory requirements for each qualification level are (Higher Certificate, Diploma or Degree).
- The university has also set its own additional minimum entry requirements.

Qualification	Minimum statutory entry requirement
Higher Certificate	Pass the NSC, with a minimum of 30% in the language of learning and teaching of the higher education institution, together with any other university requirements.
Diploma	Pass the 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.
Bachelor's Degree	Pass the 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 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 Nelson Mandela University.

How to calculate your Applicant Score (AS)

- First look-up the Applicant Score (AS) for the qualification you are applying for also note any
 required subjects.
- Your Applicant Score (AS) will be different if you took Mathematics, Mathematical Literacy or Technical Mathematics at school.
- Your Applicant Score (AS) is calculated using six subjects. Please note that Life Orientation (LO) is excluded.
- Write down your Grade 12 subjects and the most recent percentage (%) obtained in each subject (NO Gr 12 March results).
- You MUST include the results for the following <u>three fundamental subjects</u>: 1) Home language;
 2) 1st Add. Language; and 3) Maths; or Maths Lit; or Technical Maths.
- For applicants with seven Grade 12 NSC/IEB subjects, their AS is calculated by adding the percentages for their six 20-credit subjects (**Note** that the Life Orientation percentage is not included as it is a 10-credit subject). This gives a score out of 600.
- For those applicants taking eight or more subjects, their AS is calculated as follows: add the
 percentages obtained for the three fundamental subjects (the two languages and Mathematics,
 Technical Mathematics or Mathematical Literacy), plus the percentage(s) for any subject(s)
 required by the programme, together with the percentage(s) for the next best / highest subject(s),
 to a maximum of six subjects.
- In addition, for those applicants from quintile 1 to 3 schools who attain 50% or higher for Life Orientation, 7 additional points are added to their score out of 600 to arrive at their final AS.

- Compare your AS & subject results to the minimum needed for the qualification you want to apply for.
- If your Applicant Score (AS) & subject results are below the minimum required, you will need to consider another qualification for which you do qualify.
 - * All South African **public** ordinary schools are categorised into five groups, called quintiles. Quintile 1 to 3 are non-fee paying schools, while Quintile 4 & 5 are fee paying schools.

The table below provides an example of how to calculate the AS for:

- Applicant 1 who has 7 NSC Grade 12 subjects, who is applying for a programme with Life Science and Physical Science as required subjects; and
- Applicant 2 who is applying for the same programme, but who took 8 subjects in Grade 12.
- Applicant 3 who is applying for the same programme, but who is from a quintile 1, 2 or 3 school.

NSC Subject	Appli	cant 1	Appli	cant 2	Applicant 3 from quintile 1 to 3 school		
			% obtained	% used to calculate AS			
isiXhosa (Home Language)	78	78	78	78	78	78	
English (1st Additional Language)	60	60	60	60	60	60	
Mathematics	65	65	65	65	65	65	
Life Science	62	62	62	62	62	62	
Physical Science	50	50	50	50	50	50	
History	_	-	60	60	-	-	
Geography	55	55	55	-	55	55	
Life Orientation	88	-	88	_	88 LO>50%	7	
APPLICANT SCORE (AS)		370		375		377	

How do you apply?

- Applicants can apply online by logging on to www.mandela.ac.za/application
- Ensure that you meet the minimum Applicant Score (AS) and subject requirements before submitting your completed application form and supporting documentation.
- Please note that certain qualifications have additional selection processes, for example a portfolio
 of evidence, interview or fitness/medical tests.
- No application fee is required for South African citizens, but there is an application fee for International Students.
- Remember to include your cell number on your form, 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);
- Applications for early admissions should be submitted by 1 August 2019.
- Late applications will still be considered up to **30 September 2019**, but as space is limited we advise applicants to submit/complete their application form before the August closing date.

Online applications

- To apply online, you will need a valid **personal email address** and your **own cell number**.
- Online application(s) are divided into two parts (please ensure you complete both sections);
- Gr 12 learner(s) or gap year applicants need to complete the "Undergraduate" section;
- Part 1 (basic background information) complete all sections indicated and click apply at the bottom of the page. This does not mean that your application is complete, or that you will be considered for admission yet.
- You will be sent an e-mail by us with a link to part 2, as well as your student number and pin;
- Click on the link and type in your student number and pin to proceed to part 2;
- Ensure that all sections are "green" and that there are no sections highlighted in "red" or "vellow":
- Include <u>all supporting documentation</u> with your online application in part 2 as a PDF or JPEG formatted attachment:
- At the bottom of the page you will need to click **final submit** to send us your application.
- No changes can be made after you have submitted your application form.
- Should you require support in completing your online application, you may contact our Contact Centre on 041-504 1111 for assistance, or e-mail: onlineappdocs@mandela.ac.za

Important documentation

In order for the university to finalise your application you are requested to submit the following support documentation with your application:

- A certified copy of your <u>identity document</u> (ID document compulsory for SA Citizens your application cannot be processed without a certified copy of your ID. You may also provide your ID number or serial number that appears on your birth certificate should you still be waiting for your ID Document to be issued).
- A certified copy of <u>your latest school results</u> (grade 11 final, or grade 12 June/September results, or final school leaving results if you have already completed Gr 12 (e.g. if you are currently at school and apply in August submit your June results). <u>No grade 12 March results</u>.
- <u>Declaration by your parent / legal guardian / surety form</u> (downloaded from university website if you apply online),

- A certified copy of your parent / legal guardian / surety's identity document;
- Completed disability assessments form (if applicable).
- Copy of your current residential / home or postal address;
- NB: Please note that your student number/identity number must clearly be indicated on all
 documentation submitted. Your application form cannot be processed if you do not include all
 supporting documentation with your application

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. Nelson Mandela University offers a wide range of extended curriculum programmes that provide such students with the opportunity to enroll for an extended programme in order to obtain the same mainstream qualification at the end of their study career (e.g. a BCom degree). In practice, it implies that a student will complete a three-year degree or 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.



Language of Teaching and Learning

While Nelson Mandela University is committed to multilingualism, the predominant language of teaching and learning at the University is English. The statutory language requirements can be met by obtaining a minimum rating of 3 (40 - 49%) or higher in English, Afrikaans or isiXhosa as a home or first additional language. Some qualifications may require a higher pass mark for language(s) than what is indicated here. Please refer to the subject requirements of the qualification you wish to apply, before completing your application form to ensure that you meet the admission & subject requirements.

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 enrolment fees, registration and tuition fees, books and stationery, transport, meals, accommodation, sports equipment and general living expenses.
- Nelson Mandela University 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.
- The university also provides financial assistance in collaboration with the National Student Financial Aid Scheme (NSFAS) for financially-needy students.
- Admission to the university does not imply that you will get a loan, scholarship or bursary.
- Applications for NSFAS funding must be made directly on the NSFAS website, or an application
 form can be obtained from the NYDA offices, and sent directly to the NSFAS office in Cape
 Town. The closing date for NSFAS funding is advertised on their website. Further information can
 be obtained from the NSFAS website www.nsfas.org.za or by calling 086 006 7327.
- **Fundi** 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. Fundi loans are available for study fees and books, and provide simple repayment options at an affordable interest rate to loan applicants.
- For more information on financial assistance, contact the **Financial Aid Office** on (041) 504 3182/1111, web: www.mandela.ac.za/finaid or e-mail: financialaid@mandela.ac.za.

Scholar Merit Awards

Scholar Merit Awards are awarded to new first-year undergraduate students who have achieved excellent academic results in their final grade 12 NSC/IEB examinations. The rand value of this award is determined on a sliding scale between a predetermined minimum and maximum value, and is automatically awarded to first-year students who qualify by the Financial Aid Office. For more information contact the **Financial Aid Office on 041 504 3182/1111** or e-mail: financialaid@mandela.ac.za

Disclaimer: "The university reserves the right to amend the Policy with regards to the bursary, and may in its sole discretion; decide to implement such amendments retrospectively".

Leadership awards

 Leadership Awards are granted to head prefects (Head Boy/Head Girl), and Learner Representative Council Presidents (in cases of no Head Prefects).





 Documentary proof of your Grade 12 results, including a letter from your school verifying your leadership role must be submitted to the Financial Aid office on North Campus as soon as possible. The last day for submission of these documents is 31 March annually.

Disclaimer: "The university reserves the right to amend the Policy with regards to the bursary, and may in its sole discretion; decide to implement such amendments retrospectively".

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. This award is only made to SA citizens.

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. Students intending to register for Postgraduate Diplomas or honours studies must apply for those bursaries on the prescribed form before 1 November of the year preceding postgraduate studies.

Disclaimer: "The university reserves the right to amend the Policy with regards to the bursary, and may in its sole discretion; decide to implement such amendments retrospectively".

Sport bursaries

Madibaz Sport offers sport bursaries of varying amounts to sport performers who have demonstrated the ability to play sport at a high level of competition. Bursary application forms can be obtained from Madibaz Sport by e-mail: sport@mandela.ac.za or by calling (041) 504 2165.

Disclaimer: "The university reserves the right to amend the Policy with regards to the bursary, and may in its sole discretion; decide to implement such amendments retrospectively".

Vice-Chancellor's Scholarships

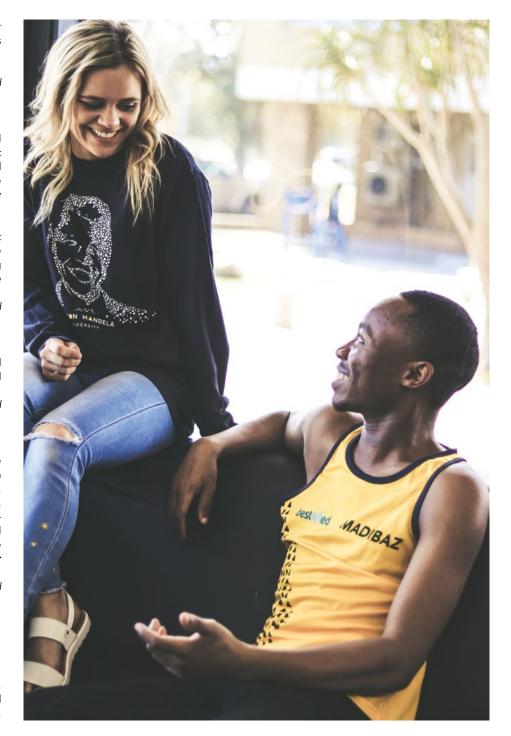
The Vice-Chancellor's Scholarship aims to recruit top performing learners from diverse socioeconomic backgrounds, to register for a Nelson Mandela University degree or diploma qualification from their first-year, and retain and develop them while they complete their studies. The scholarship is renewable for each year of a first undergraduate degree or diploma qualification, provided recipients academic performance remains of the highest standard. Up to 25 Vice-Chancellor's Scholarships may be awarded 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. For more information, contact the **Communication and Stakeholder Liaison** division on 041 504 3084 or e-mail: vcs@mandela.ac.za

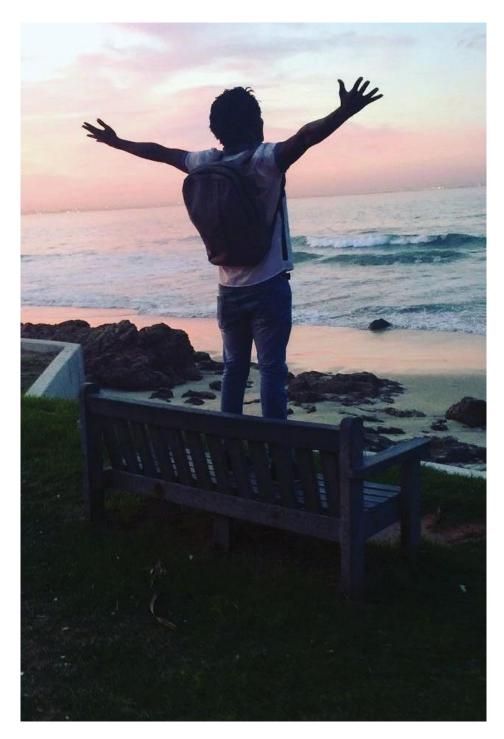
Disclaimer: "The university reserves the right to amend the Policy with regards to the bursary, and may in its sole discretion; decide to implement such amendments retrospectively".

Accommodation

On-campus

The university provides various affordable, comfortable on-campus accommodation options. These include the residences on the university's Summerstrand and George campuses, and the Student Villages in Summerstrand, which consist of self-catering units for senior students.





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 also been accepted into a residence on-campus. The closing date for on-campus residence applications is:

30 September 2019. No late applications will be considered. For more information contact: (041) 504 3690/1415 • resadmissions@mandela.ac.za • www.mandela.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. The university 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.accomodation@mandela.ac.za

Applying for residence accommodation

- Apply online (http://studenthousing.mandela.ac.za/Apply-for-admission);
- Please note that indicating that you require accommodation does not guarantee placement in any of the university's on-campus accommodation options;
- A selection process has to take place and priority will be given to applicants who have obtained excellent academic results:
- No student will be admitted to residence until she/he has been academically admitted to a
 university programme, or before the appropriate fees have been paid;
- Also note that residence accommodation is limited and preference will be given to applications
 received before the end of September;
- Please submit a residence accommodation form together with proof of your current residential/home or postal address via e-mail (resadmissions@mandela.ac.za), fax (041-504 9765) or post (Residence Accommodation, PO Box 77000, Nelson Mandela University, Port Elizabeth, 6031).

International students

The 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@mandela.ac.za or visit their website (www.mandela.ac.za/international). The closing date for applications by international students is 31 October 2019.

Universal Accessibility & Disability Services (UADS)

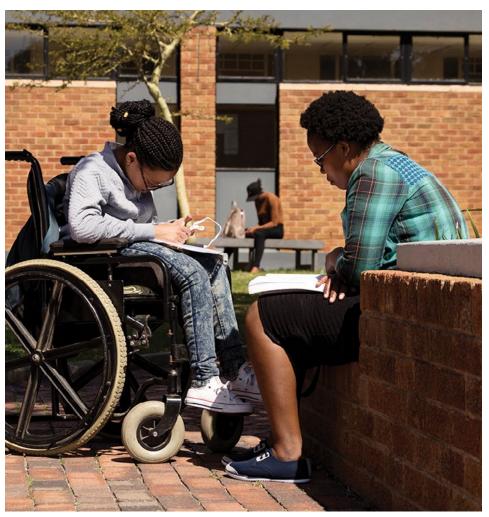
Nelson Mandela University would like to ensure that differently abled students enjoy a successful student experience, thus we strive to ensure that academic concessions, reasonable adjustments for general accessibility, test and examinations and other academic concessions, are made to meet your needs. Services currently available include assistive technologies, dedicated computer spaces equipped with assistive technologies, braille transcription support, adapted transport for those with mobility difficulties, and volunteer buddies amongst other.

As every case needs to be individually assessed, please register your special needs with the university's **Universal Accessibility & Disability Services (UADS)** as soon as possible, preferably the year prior to application and registration. At your first appointment, you will need to provide valid medical documentation and/or assessment reports from appropriate health professionals. The goal of the consultations between students and the **UADS** is to identify the impact of a disability or condition on the students' academic performance and to maximise opportunities for independent participation.

What can we offer you?

- Support consultation sessions to determine all support required during your academic journey;
- Assessment sessions for the verification of reasonable accommodations/concessions needed.
- Referrals to Student Counselling & Career Development Centre for further consultations, when necessary.
- Orientation and information sessions on various services, support, and technologies available;
- Facilitation of support services, such as assistive technology, braille support, orientation and
 mobility training, access to facilities, academic support concessions, adapted transport, and
 identifying appropriate student housing spaces according to the disability.

Bursaries for students with disabilities are available, via an online application process, through NSFAS (www.nsfas.org.za). Please contact the **Universal Accessibility & Disability Services (UADS)** on 041 504 2313/4756 or E-mail: disability@mandela.ac.za for further information.







Faculty of Science

School of Biomolecular & Chemical Sciences

Department of Biochemistry and Microbiology Department of Chemistry Department of Textile Science Department of Physiology

School of Computing Sciences, 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 Management Department of Botany Department of Geosciences (Geography & Geology) Department of Zoology

George Campus School of Natural Resource Management

Agricultural Management
Forestry
Nature Conservation and Game Ranch Management
Veldfire Management
Wood Technology

Admissions offices

Port Elizabeth Campuses: 041 504 1111 George Campus: 044 801 5194

info@mandela.ac.za science.mandela.ac.za

Prospective students are advised to contact the admissions office prior to applying or to refer to the faculty website or prospectus for more information regarding any qualifications offered within the Faculty of Science.



				Mir	nission Requirements		
Qualification	Programme Overview	Delivery mode & duration of study	AS for Maths	AS for Technical Maths	AS for Maths Literacy	Subject Requirements	Career Opportunities
Higher Certificate	(HCert)						
HCert (Veldfire Management)* *(only offered on the George Campus)	This programme is designed to focus on technical as well as strategic and tactical aspects of veldfire management which are critical success factors when it comes to suppressing and preventing veldfires and protecting assets against veldfires. It complements the holistic management of natural resources and provides students with the relevant knowledge, theoretical and practical skills, experience and expertise demanded in the discipline of veldfire management.	Full-time 1 year or Part-time 2 years (block release)	310	310	325	 Minimum NSC statutory requirements for higher certificate entry must be met. Mathematics or Technical Mathematics – 35%, or Mathematical Literacy – 55%. 	Students who have completed the programme will be competent to work as veldfire managers in government, municipalities, nongovernmental organisations such as fire protection associations, as well as the organised forestry and conservation sector.
Diploma (Dip)							
Dip (Agricultural Management) * *(also offered on the 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)	330	330	345	 Minimum NSC statutory requirements for diploma entry must be met. Mathematics or Technical Mathematics – 40%, or Mathematical Literacy – 60%, and one of the following subjects: Physical Sciences or Technical Science – 40%, or Life Sciences – 50%, or Agricultural Sciences – 55%. RECOMMENDED NSC/IEB SUBJECTS: Economics, Agricultural Management Practices, Agricultural Technology, Accounting, Life Sciences or Agricultural Sciences. 	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.

				Miı	nimum Adm	ission Requirements	
Qualification	Programme Overview	Delivery mode & duration of study	AS for Maths	AS for Technical Maths	AS for Maths Literacy	Subject Requirements	Career Opportunities
Dip (Analytical Chemistry)	This programme consists of two years full-time study at Nelson Mandela University, followed by one year of in-service training at a suitable laboratory. 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. Practical lab work and theoretical studies form an essential part of chemistry programmes at this university.	Full-time 3 years (including 1 year in-service training)	350	_	_	 Minimum NSC statutory requirements for diploma entry must be met. Mathematics – 55%, Physical Sciences – 50%. 	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 oversee a laboratory.
Dip (Game Ranch Management) * *(also offered on the George Campus)	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. 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. Two years of study are spent at the university, and one year is spent in practice undergoing experiential training.	Full-time 3 years (including 1 year in-service training)	330	330	345	Minimum NSC statutory requirements for diploma entry must be met. Mathematics or Technical Mathematics – 40%, or Mathematical Literacy – 60%.	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.

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				Mir	nimum Adm	nission Requirements	
Qualification	Programme Overview	Delivery mode & duration of study	AS for Maths	AS for Technical Maths	AS for Maths Literacy	Subject Requirements	Career Opportunities
Dip (Wood Technology)* *(only offered on the George Campus)	This programme consists of two years theoretical and one year experiential training offered on campus and at an approved wood processing facility. 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.	Full-time 3 years (including 1 year in-service training)	330	330	345	 Minimum NSC statutory requirements for diploma entry must be met. Mathematics or Technical Mathematics – 40%, or Mathematical Literacy – 60%. Physical Sciences or Technical Science – 40%. Please note that If an applicant has Mathematical Literacy instead of Mathematics, he/she will be placed in an associated extended qualification. 	Main employers are the softwood and hardwood sawmill companies, mining timber mills, fibre and particle board mills, timber preservation plants, rooftruss 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.
Dip (Polymer Technology)	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. The programme includes indepth training in chemistry, and engineering and manufacturing practices related to the field.	Full-time 3 years (including 1 year in-service training)	350	-	-	 Minimum NSC statutory requirements for diploma entry must be met. Mathematics – 55%, Physical Sciences – 50%. 	Employment opportunities exist in the motor manufacturing and related supply and service industries, such as paint, tyre and plastic-component industries.
Dip (Forestry)* *(only offered on the George Campus)	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 & management accounting, economics and environmental management.	Full-time 3 years (including 1 year in-service training)	330	330	345	 Minimum NSC statutory requirements for diploma entry must be met. Mathematics or Technical Mathematics – 40%, or Mathematical Literacy – 60%. RECOMMENDED NSC/IEB SUBJECTS: Physical Sciences, Life Sciences 	Career opportunities exist at private and public forestry companies, pulpwood and mining timber growers, municipalities and other local authorities.

				Mir	nimum Adm	ission Requirements	
Qualification	Programme Overview	Delivery mode & duration of study	AS for Maths	AS for Technical Maths	AS for Maths Literacy	Subject Requirements	Career Opportunities
Dip (Forestry)* (continued)	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. Students gain invaluable technical experience, expanded work perspective and ingrained work ethics.						
Dip (Nature Conservation)* *(only offered on the George Campus)	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 (including 1 year in-service training)	330	330	345	 Minimum NSC statutory requirements for diploma entry must be met. Mathematics or Technical Mathematics – 40%, or Mathematical Literacy – 60%, and one of the following subjects: Physical Sciences or Technical Science – 40%, or Life Sciences – 50%. Admission is subject to departmental selection. 	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.

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				Mii	nimum Adm	nission Requirements	
Qualification	Programme Overview	Delivery mode & duration of study	AS for Maths	AS for Technical Maths	AS for Maths Literacy	Subject Requirements	Career Opportunities
Diploma (Chemical Process Technology	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 reallife work environment. This qualification comprises a mixture of disciplinary-based courses in chemistry, physics, engineering, statistics, mathematics and computer technology. Apart from the formal course and practical work at the university'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.	Full-time 3 years	350		_	 Minimum NSC statutory requirements for diploma entry must be met. Mathematics – 55%, Physical Sciences – 50%. Please note that due to health and safety reasons, the chemical industry screens prospective employees for a medical history of asthma or lung diseases. Do not consider this qualification if you have had any previous medial illnesses like Asthma or any lung diseases. 	Chemical Process Technician. Graduates 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.
Advanced Diploma	a (Adv Dip)						
Advanced Diploma (Analytical Chemistry)	This qualification will equip students to obtain training in the more advanced and specialised field of analytical chemistry, that is related to instrumentation and laboratory organisation. Training will focus on developing skills on certain key instruments that are commonly used in the chemistry related industry.	Full-time 1 year				Dip (Analytical Chemistry) or BSc degree with chemistry as major or an equivalent qualification with chemistry or analytical chemistry as a major. Applicants should have passed his/her final undergraduate academic chemistry modules with at least 60% average on their first attempt. If the demand for the programme exceeds the allowed capacity, then a competitive entry will be used, based on academic merit. Where the first preference will be given to students with the highest marks from their final year academic chemistry modules.	The skills the student will acquire during the qualification will enable them to become more employable in modern analytical laboratories within production and process chemical industries such as the petrochemical, mining, pharmaceutical, rubber/polymers, cement, catalysis, and government departments.

				Mir	nimum Adm	nission Requirements	
Qualification	Programme Overview	Delivery mode & duration of study	AS for Maths	AS for Technical Maths	AS for Maths Literacy	Subject Requirements	Career Opportunities
Advanced Diploma (Analytical Chemistry) (continued)	Skills training will relate to equipping the potential analyst with the ability to plan, organize and execute complex analyses on specialised laboratory equipment, followed by the ability to deal with resultant data and the conversion and interpretation of the data to applied knowledge.					Mature students or those that do not qualify for the programme based on their initial lower entrance requirements can apply if they have worked in a related industry for at least one year after their undergraduate diploma or BSc qualification. Such applicants would then be considered for admission onto this programme by an interview process. The route of entry will be governed by the Nelson Mandela University policy on RPL.	These include amongst others forensics, the water board and university's technical departments. Graduates can further develop their skills by becoming specialists of certain techniques that can then work within the large industrial sector of analytical instrument suppliers or agencies.
Bachelor of Science	e (BSc)						
BSc (Biological Sciences) Marine Biology Conservation biology Ecology Environmental management & Coastal zone Management	BSc with majors in Botany and Zoology.	Full-time 3 years	410	-	-	 Minimum NSC statutory requirements for degree entry must be met. Mathematics – 60%. 	Career opportunities exist in the fields of marine biology, conservation biology, ecology, environmental management, and coastal management.
BSc (Biological Sciences) Extended Curriculum	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	370	_	-	Minimum NSC statutory requirements for degree entry must be met. Mathematics – 50%.	The BSc degree should be seen as a stepping-stone which provides a foundation for a career in science. Career opportunities may vary depending in which field you graduate and/or obtain a postgraduate qualification in.

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Qualification	Programme Overview	Delivery mode & duration of study	AS for Maths	AS for Technical Maths	AS for Maths Literacy	Subject Requirements	Career Opportunities
BSc (Biochemistry, Chemistry, Microbiology & Physiology)	BSc with two majors chosen from Biochemistry, Chemistry, Microbiology & Physiology.	Full-time 3 years	410	_	_	 Minimum NSC statutory requirements for degree entry must be met. Mathematics – 60%. 	Career opportunities exist in industry (chemical, food, and biotechnological), teaching, research (medical, agriculture, chemistry, sport, and nutrition).
BSc (Biochemistry, Chemistry and Microbiology) Extended Curriculum	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	370	-	-	 Minimum NSC statutory requirements for degree entry must be met. Mathematics – 50%. 	The BSc degree should be seen as a stepping-stone which provides a foundation for a career in science. Career opportunities may vary depending in which field you graduate and/or obtain a postgraduate qualification in.
BSc (Environmental Sciences)	BSc with two of the following majors: Geography, Geology, Botany, Zoology or Chemistry.	Full-time 3 years	410	_	_	 Minimum NSC statutory requirements for degree entry must be met. Mathematics – 60%. 	Various career opportunities exist in mining, water affairs, environmental affairs, as well as in consulting and civil engineering.
BSc (Environmental Sciences) Extended Curriculum	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	370	-	-	 Minimum NSC statutory requirements for degree entry must be met. Mathematics – 50%. 	The BSc degree should be seen as a stepping-stone which provides a foundation for a career in science. Career opportunities may vary depending in which field you graduate and/or obtain a postgraduate qualification in.

				Mii	nimum Adm	nission Requirements	
Qualification	Programme Overview	Delivery mode & duration of study	AS for Maths	AS for Technical Maths	AS for Maths Literacy	Subject Requirements	Career Opportunities
BSc: Geosciences (Geology & Geography)	BSc with majors in Geography and Geology.	Full-time 3 years	410	-	_	 Minimum NSC statutory requirements for degree entry must be met. Mathematics – 60%. 	Graduates can follow careers as geographers or geologists. Various career opportunities exist in mining, research and exploration, water affairs, environmental management, as well as in environmental and geo-technical consulting and civil engineering.
BSc: Geosciences (Geology & Geography) Extended Curriculum	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	370	-	-	 Minimum NSC statutory requirements for degree entry must be met. Mathematics – 50%. 	The BSc degree should be seen as a stepping-stone which provides a foundation for a career in science. Career opportunities may vary depending in which field you graduate and/or obtain a postgraduate qualification in.
BSc (Computer Science)	BSc with majors in Applied Mathematics, Computer Science, Mathematics and Mathematical Statistics.	Full-time 3 years	410	-	-	 Minimum NSC statutory requirements for degree entry must be met. Mathematics – 65%. 	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.

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Qualification	Programme Overview	Delivery mode & duration of study	AS for Maths	AS for Technical Maths	AS for Maths Literacy	Subject Requirements	Career Opportunities
BSc (Computer Science) (continued)	BSc with majors in Applied Mathematics, Computer Science, Mathematics, and Mathematical Statistics or Physics.	Full-time 3 years	410	_	_	 Minimum NSC statutory requirements for degree entry must be met. Mathematics – 65%. 	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 Applied Mathematics, Mathematics, Mathematical Statistics, Physics and Computer Fundamentals.	Full-time 3 years	410	-	-	 Minimum NSC statutory requirements for degree entry must be met. Mathematics – 65%. 	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 Applied Mathematics, Computer Science, Mathematics and Physics.	Full-time 3 years	410	_	_	 Minimum NSC statutory requirements for degree entry must be met. Mathematics – 65%. 	This programme provides a powerful platform for entering a variety of employment opportunities in business.
	BSc with majors in Computer Science, Mathematics and Statistics.	Full-time 3 years	410	_	-	 Minimum NSC statutory requirements for degree entry must be met. Mathematics – 65%. 	Career opportunities exist in the field of Data Science, which includes careers such as Business Intelligence Analyst, Data Mining Engineer, Data Architect and Data Scientist.
BSc (Human Movement Science & Biochemistry)	Human Movement Science can also be combined with Physiology or Biochemistry in a BSc degree.	Full-time 3 years	410	-	-	 Minimum NSC statutory requirements for degree entry must be met. Mathematics – 60%. 	Career opportunities include teaching, school and professional sport coaching, exercise and fitness instruction, sport management lecturing and research, sport psychology, biokinetics, and sport science. The latter three occupations would require an additional postgraduate qualification.

				Mir	nission Requirements		
Qualification	Programme Overview	Delivery mode & duration of study	AS for Maths	AS for Technical Maths	AS for Maths Literacy	Subject Requirements	Career Opportunities
BSc (Physical Science & Mathematics)	This BSc degree is based on the three cornerstone subjects in Science (Mathematics, Physics and Chemistry) and provides an excellent basis for postgraduate studies in these fields. Furthermore, it offers a sensible subject combination for persons wishing to teach physical science and/or mathematics up to senior secondary level This programme will also launch you into a postgraduate programme at Nelson Mandela University in solid state physics, electron microscopy, crystal growth, optical fibre studies and renewable energy; all with an emphasis on materials development. 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.	Full-time 3 years	410	_	_	Minimum NSC statutory requirements for degree entry must be met. Mathematics – 65%.	Researcher, Scientist, Chemist, Mathematician, Physicist, Physical Science and/or Mathematics teacher.

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Contact Details

	Port Elizabeth Campuses	George Campus
General Enquiries	041 504 1111	044 801 5111
Admission Enquiries	041 504 1111	044 801 5194
Student Marketing & Recruitment	041 504 1111	044 801 5111
Financial Aid	041 504 3182/1111/1242	044 801 5310
Student Counseling, Career & Development Centre (SCCDC)	041 504 2511/3222	044 801 5047
Student Housing	041 1415/3690 (On-Campus)	044 801 5034/5136 (On-campus)
	041 504 4735/4736 (Off-campus)	044 801 5139 (Off-campus)
Student societies and clubs	041 504 3561	044 801 5058
Madibaz Sport	041 504 2165/ 1244	044 801 5037/5111
Campus Health Service	041 504 2174	044 801 5062
Office for International Education	+27 (0)41 504 2161	+27 (0)44 801 5008
Universal Accessibility & Disability Services	041 504 2313	
Faculties:		
Faculty of Arts	041 504 3252/ 2802/ 4608/ 2855/ 3478	George Campus 044 801 5048
Faculty of Business & Economic Sciences	041 504 3802 / 2248/ 2939/ 2801/ 3804/ 3707/ 3706	
Faculty of Education	041 504 2125/ 4568	
Faculty of Engineering, the Built Environment and Information Technology	041 504 3447/ 3446/ 3995/ 3660	
Faculty of Health Sciences	041 504 2121/ 2957/ 2956/ 2749	
Faculty of Law	041 504 2588/ 2474	
Faculty of Science	041 504 2268/ 2679/ 9922	

Address of the University

The Admissions Office PO Box 77000 Nelson Mandela University PORT ELIZABETH 6031

E admissions@mandela.ac.za or info@mandela.ac.za

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Address of the George Campus Nelson Mandela University George Campus Private Bag X 6531 GEORGE 6530

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Our Vision

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

Our Mission

To offer a diverse range of life-changing educational experiences for a better world.

To achieve our vision and mission, we will ensure that:

- · Our values inform and define our institutional ethos and distinctive educational purpose and philosophy.
- We are committed to promoting equity of access and opportunities so as to give students the best chance of success in their pursuit of lifelong learning and diverse educational goals.
- We provide a vibrant, stimulating and richly diverse environment that enables staff and students to reach their full potential.
- We develop graduates and diplomates to be responsible global citizens capable of critical reasoning, innovation, and adaptability.
- · We create and sustain an environment that encourages and supports a vibrant research, scholarship and innovation culture.
- · We engage in mutually beneficial partnerships locally, nationally and globally to enhance social, economic, and ecological sustainability.



Disclaimer: All reasonable steps have been taken to ensure that the information contained in this guide was accurate at the date of publication. Nelson Mandela University reserves the right to make changes to programme details (e.g. rules, admission requirements) as published in this guide at any time. Prospective students are advised to consult the admissions department prior to applying.





















