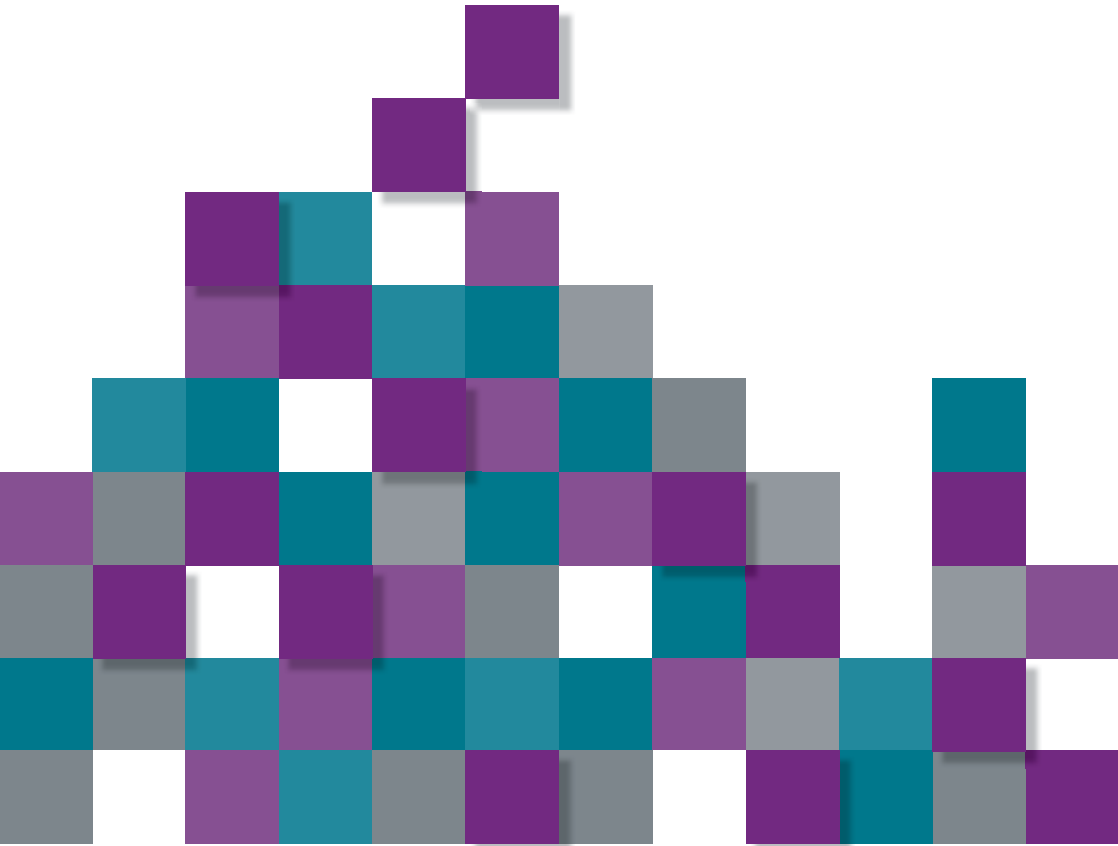


Structured for success

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# PROFILE

## 2018/19



# THE BIGGER PICTURE

## South African HIGHER EDUCATION landscape

26

Public higher education institutions in SA

6

Comprehensive universities

14

Conventional universities

6

Universities of technology

North-West University (NWU) One of the conventional universities in SA



Universities South Africa  
Governing body for SA's higher education institutions



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Creating well-rounded students

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Building imagination and muscle

*(Please note that all 2018 figures used were provisional as final auditing was still in progress.)*

# UNLOCKING THE FUTURE

## The spirit of the university

The spirit of the university is reflected in the way we unlock the future for people and enable them to make their dreams come true.

This spirit runs across all our activities and operations, from our academic offerings and research to our student body, community engagement and sports achievements. The “keys” we use to unlock the future for our stakeholders include:

- Our focus on internationalisation (p12-13)
- Our faculties (p17-25)
- Our exceptional programmes (p17-25)
- Our entrepreneurial learning (p17-25)
- Our distance learning capability (p26)
- Our sporting excellence (p31-33)

## NWU logo

The interlocking links symbolise the unity of our university.

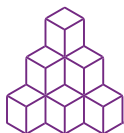


## Pay-off line

It all starts here

Dit begin alles hier

Gotlhe go simologa fano



# MAKING DREAMS COME TRUE

## A united institution

The NWU is committed to functioning as a unitary, integrated, multi-campus university that enables equity, redress and globally competitive teaching and research across all campuses.

## Our strategy statement

To transform and position the NWU as a unitary institution of superior academic excellence, with a commitment to social justice.

## Our dream

To be an internationally recognised university in Africa, distinguished for engaged scholarship, social responsiveness and an ethic of care.

## Our purpose

To excel in innovative learning and teaching and cutting-edge research, thereby benefiting society through knowledge.



# WHERE IT HAPPENS...

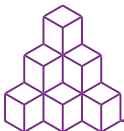
Our core activities, teaching-learning and research, are intertwined with community engagement and innovation in our eight faculties, most of which serve both distance and contact students.



## ...keeping this in mind

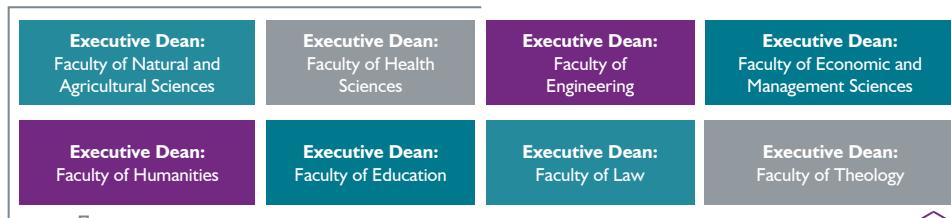
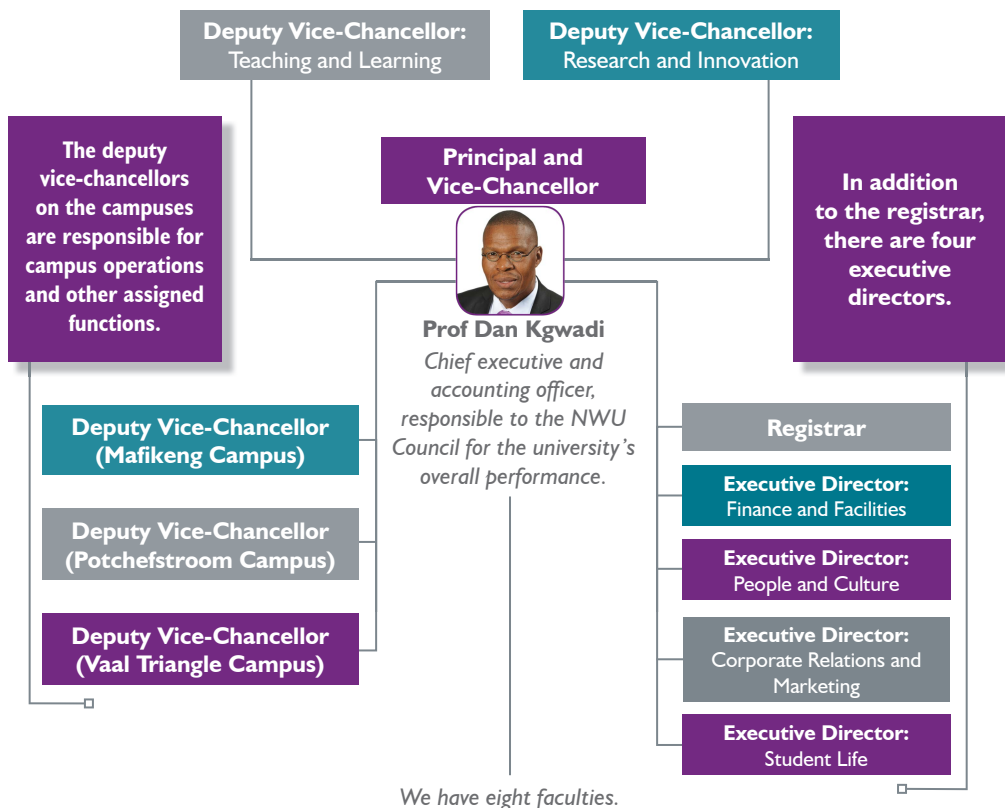
The NWU will foster engaged and caring staff and students and embed the following foundational values, based on the constitutional principles of human dignity, equality and freedom:

- Ethics in all endeavours
- Academic integrity
- Academic freedom and freedom of scientific research
- Responsibility, accountability, fairness and transparency
- Embracing diversity



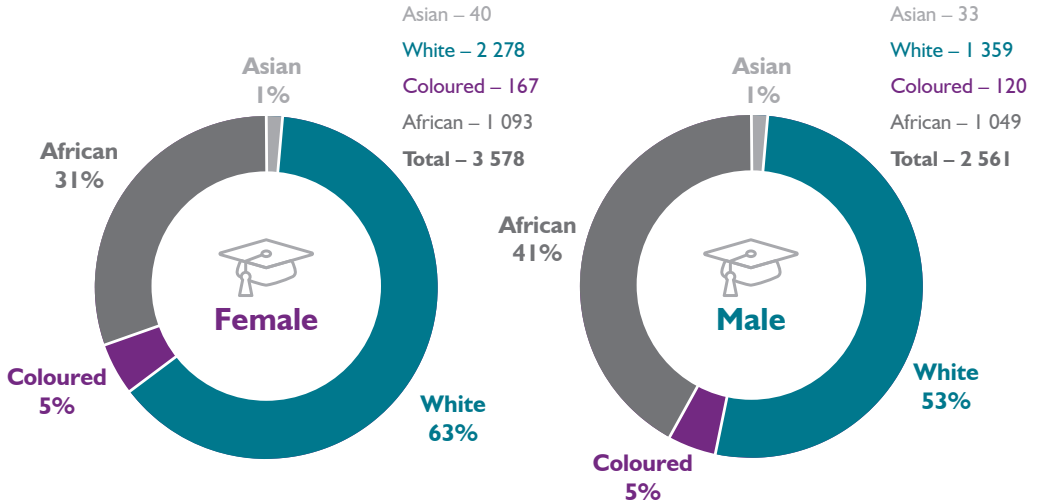
# WHO'S MAKING IT HAPPEN?

**A trusted leadership**



## A winning team

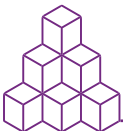
### Gender and racial composition of NWU staff in \*2018



\*(2018 figures not final)

### How we empower people

Black executive directors (as % of total executive directors)	48%
Female executive directors (as % of total executive directors)	10%
Black staff (as % of total staff)	44,5%
Female staff (as % of total staff)	55%



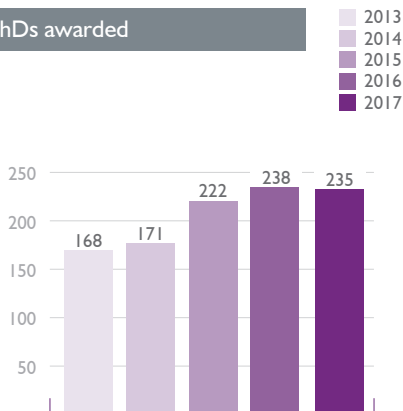


## Pathfinders and knowledge seekers

### Research scorecard

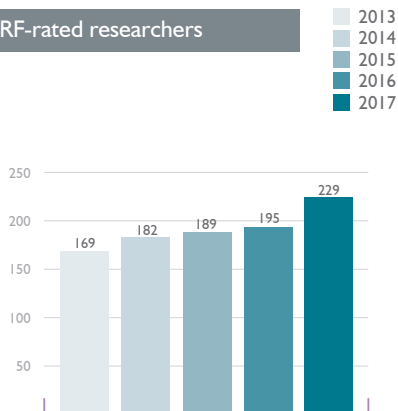
- 2 609,64 weighted research output units in 2016
- 1 148,39 article equivalents published in 2016
- 215 postdoctoral fellows in 2017

#### PhDs awarded



Between 2013 and 2017, the number of PhDs awarded increased by 41,6%.

#### NRF-rated researchers



The number of NRF-rated researchers increased from 169 in 2013 to 229 in 2017.

### Build research capacity

To encourage more academic staff to apply for ratings and raise their research output, the NWU provides training on preparing abstracts and conference papers, writing articles and best practices in preparing research questionnaires.

### Recruit postgraduate students

We are also broadening our pool of research skills by actively recruiting more master's and doctoral students. The number of international postgraduate students increased from 1 844 in 2015 to 1 871 in 2017.



# TOWARDS EXCELLENCE: HERE WE GO!

## Our language policy is unique

In line with our multilingual policy, we strive to promote the academic status of the predominant African languages of the regions in which our campuses are situated, namely Setswana and Sesotho. We do this in addition to maintaining English and Afrikaans as the current languages of instruction.

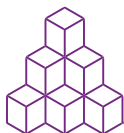
To reach these multilingual goals, we will use all linguistic resources at the disposal of our staff and students, who have widely varying linguistic repertoires. Our ultimate purpose is improved teaching-learning.

This we will achieve by enhancing the student experience, which includes welcoming whatever languages students bring to the university.

To this end, we will continue to use the following mediums of instruction: single medium (English, Afrikaans, Setswana and Sesotho), parallel medium, dual medium and educational interpreting.

We will also use translanguaging. This means accommodating the various linguistic repertoires that both students and lecturers bring to the class. Linguistic facilitation will then take place by various means, including educational interpreting and translation.

Ultimately this will enable our students to master, internalise and reproduce teaching-learning content better – and they will be able to do so in a number of languages.

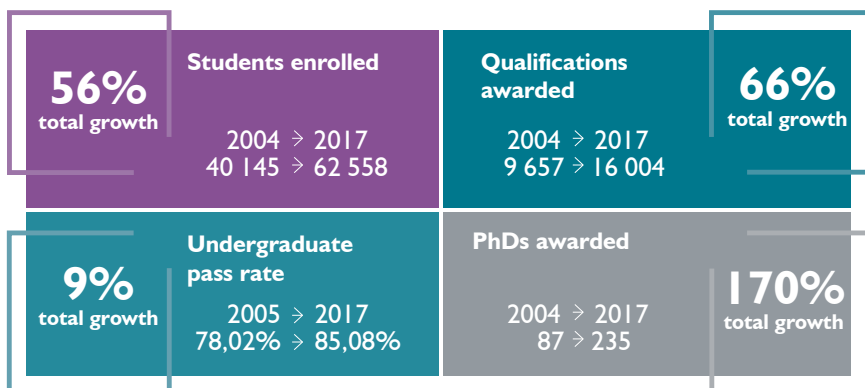


# AN ACADEMIC MEDLEY

**The NWU offers more than just an education: we offer people a place in the world.** Academically, students benefit from great choice and flexibility, enabling them to fulfil their potential and start developing their careers.

## Teaching-learning scorecard

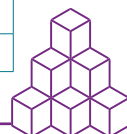
We have significantly increased our student enrolments, pass rates and qualifications awarded since 2004, when the NWU was established.



## Pass rates and qualifications conferred from 2013 to 2017

A year-on-year breakdown of our performance in the past five years gives a more recent perspective:

	2013	2014	2015	2016	2017
Undergraduate pass rate	85,1%	86,1%	85,1%	86,16%	85,08%
Graduation rate	25%	24,1%	24,3%	27,62%	25,6%
Degrees and diplomas awarded	15 464	15 254	15 597	17 510	16 004
Master's degrees awarded	781	746	742	744	813
PhDs awarded	168	171	222	238	235



# CRITICAL SKILLS FOR THE COUNTRY

Using contact and/or distance education and appropriate teaching-learning technologies, the NWU offers a range of qualifications and academic programmes that focus on developing scarce and strategic skills in its graduates.



## Teachers

In 2017 the NWU delivered 7 707 education graduates who studied either via contact or distance mode. We educate and train mechanical, civil and electrical technology education teachers who are in high demand, as well as Grade R teachers and teachers in the critical fields of mathematics, information technology and natural sciences education. We also offer a BEdHons in physical education, as there is a scarcity of life orientation teachers who are well trained to offer physical education.

## Accountants

To address the shortage of accountants, we offer four professional accountancy degrees (forensic, chartered, management and financial accountancy) at honours level. The NWU is the only university in South Africa offering all four specialisations at the undergraduate and honours levels.

We offer master's degrees in much-needed specialisations (for instance taxation) and a PhD with programmes in critical research areas such as forensic accountancy and taxation, among others.

The NWU consistently performs exceptionally well in the qualifying examinations of the SA Institute of Chartered Accountants.

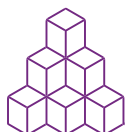


## Tourism

To address the shortage of well-qualified tourism managers in South Africa, we offer BA, BCom and BSc degrees that fit the needs of the industry. Tourism is viewed as one of the industries that can change the outlook of SA in the coming years.

## Mathematicians and natural scientists

We offer a number of undergraduate and postgraduate qualifications in the critical fields of mathematics and natural sciences. Among these are business mathematics and informatics with specialisations in business analytics, quantitative risk management and financial mathematics.





### Language practitioners

In multilingual and multicultural South Africa, specialised skills for translation, text editing, interpreting, audio-visual translation (subtitling and audio description for the blind) and sign language are invaluable.

Our contribution includes offering dedicated education and training in language practice. We also develop specialised research skills and offer training in advanced research methods for language practice. (Examples are corpus analysis, eye tracking and keystroke logging, offered at undergraduate and postgraduate level only by the NWU.)

### Engineers

To help address the shortage of engineers in South Africa, we offer qualifications which appear on the government's list of skills that are in high demand. We offer specialisations ranging from chemical engineering (including minerals processing) and electromechanical engineering to mechanical and industrial engineering.



The Faculty of Engineering has a focus on equipping engineers and researchers for integrated energy solutions.



### Animal health technicians

We train animal health technicians who play a very important role considering the critical shortage of professionally qualified veterinarians in South Africa.

### Transdisciplinary health

The MHSc in transdisciplinary health promotion empowers students to research well-being, across disciplinary boundaries, through active participation in communities. It equips students with the essential skills needed in a country with complex health challenges.



### Pharmacists

The School of Pharmacy is currently the only provider of short courses that enables pharmacists to register as primary care drug therapy pharmacists who may examine patients, diagnose illness and prescribe drugs.



# THE WORLD IS OUR STAGE

Through collaboration with other universities and institutions internationally, we are actively positioning the NWU in the global arena. Our internationalisation activities include student and staff exchange and cooperation in academic, research, cultural and sports matters.

In 2017, we had 3 224 students from over 77 countries. Among them were 1 871 postgraduates, including 509 doctoral candidates.

## Cooperate at home and abroad

The NWU has relationships with many universities and other entities abroad and in South Africa. Here are a few examples:

### Universities abroad

- Universities in Belgium: Leuven, Antwerp, Thomas More, Limburg-Leuven, Hasselt Evangelische Theologische Faculteit
- Universities in the Netherlands: Tilburg, Leiden, Apeldoorn, Driestar University of Teacher Education, Twente, Vrije Universiteit, Nyenrode Business University, Utrecht, Technische Universitat Delft
- Universities in Germany: Humbolt, Hochschule Zittau/Görlitz, Justus Liebig, Potsdam, Katholische Hochschule Freiburg, Duisberg-Essen, Heide University of Science, Northern Business School, Rhein Westfälische Technische Hochschule Aachen, Fachhochschule Aachen, Technische Hochschule Köln
- Universities in the USA: Florida Atlantic, Florida State, Virginia Tech, Sam Houston State University, Dayton, Georgia State, Macalester College, Stanford, South Florida, Minnesota, Georgia, Texas A&M
- Universities in the United Kingdom: Warwick, Coventry, Brighton, Oxford, Westminster, Birmingham, London School of Economics
- Furthermore, the NWU has relationships with universities in Malawi, Namibia, Zimbabwe, Democratic Republic of Congo, South Korea, Greece, Finland, Switzerland, France, Thailand, Romania, Sweden, Australia, Chile, India, Brazil, Denmark, Canada, China, Italy, Japan, Malaysia, Mauritius, Portugal and Austria.

### International bodies

- United Nations Environment Programme / Education, Scientific and Cultural Organization (UNESCO) / Population Fund
- United Nations Conference on Trade and Development (UNCTAD)
- Organisation for Economic Cooperation and Development (OECD)
- Southern Africa Customs Union (SACU)
- Botswana Investment and Trade Centre (BITC)
- International Growth Centre (IGC)
- Association of Chartered Certified Accountants (ACCA)
- Population Health Research Institute (Canada)
- USAID
- Instituto Bíblico Português in Portugal
- World Health Organisation Collaborating Centre for the Quality Assurance of Medicines (CENQAM®)
- Zambian Medicines Regulatory Authority (ZAMRA)
- International Development Corporation (IDC)
- Washington Accord
- World Bank
- Association of Energy Engineers (international body)



- India Tea Research Association
- BRICS: Academic Forum, University Network and Council of Exercise and Sport Science
- European Union
- Flemish Interuniversity Council (VLIR) Belgium
- European Scientific Institute
- The World Academy of Science (TWAS)
- World Association of Young Scientists
- International Centre for Trade and Sustainable Development (ICTSD)
- World Trade Organization
- World Health Organization
- The Institute National Polytechnique Toulouse (INPT), France
- International Association for Cognitive Education and Psychology (IACEP)
- Electricity regulators of the SADC countries
- World Cycling Centre Satellite Africa
- Intra Africa Academic Mobility Scheme EACEA-07-2016 PAN-AFRICAN programme
- SAS Analytics, Business Intelligence and Data Management
- International Speech Communication Association (ISCA)
- International Project Management Association (IPMA)
- American Podiatric Medical Student Association (APMSA)

- Meraka Institute of the CSIR
- Absorbatox (Pty) Ltd
- dermaV pharmaceuticals (Pty) Ltd
- Fresenius-Kabi
- South African Revenue Service
- Sasol-Inzalo
- National Nuclear Regulator (NNR)
- iThemba Laboratories
- Puregas
- ArcelorMittal
- Anglo American
- BHP Billiton
- Pharma24 (Pty) Ltd
- IDEXIS (Pty) Ltd
- Eskom
- Necsa
- Hatch
- Idwala
- Lonmin
- Hydrox
- Johnson-Matthey
- Geotron
- Standard Bank SA
- Armscor
- Mphe batho Museum

## South African industry

- Absa Bank
- Land Bank
- Denel
- Sasol
- Growthpoint
- Siemens
- Big Concerts
- Top Talent Solutions
- Afriforte (Pty) Ltd
- Johannesburg Zoo

We also have relationships with national professional entities and governing bodies in the fields of psychology, law, education, health, tourism, agriculture, accountancy, treasury, engineering and artificial intelligence.

We liaise with several provincial and national government departments, and cooperate closely with local communities, traditional authorities, sports clubs (local, provincial and national), business chambers and local municipalities.



# MAKING A DIFFERENCE TO OUR NEIGHBOURS

## Ensure sustainable impact

Sharing our expertise is intertwined with our core business (teaching-learning and research) and includes sustainability and community impact.

Some of these activities generate third-stream income through short courses, consulting or technology transfer.

However, our engagement activities are often not for profit. Rather, they enable staff and students to uplift the community through developmental engagement, community service projects, discipline-based outreach and volunteering.

Our engagement activities often involve research about, with and in communities. These activities are interactive, entail learning from our communities and also provide work-integrated learning or service-learning opportunities for students.

In 2017, the NWU was involved in nearly 201 community-related activities. We were solely responsible for some of the projects and participated in others through projects driven by other groupings.

More than 87 student-driven community outreach activities were recorded. In addition to these, there were also many ad hoc activities such as water collection drives and Cancer Association of South Africa support walks, which are not recorded as formal activities.

## Engage with communities

To enable, develop and engage communities, we initiate or participate in a variety of projects that:

- train pre-school caretakers, members of NGOs, government officials, business start-ups (focusing on female entrepreneurs) and empower emerging farmers
- share our expertise on community radio programmes
- provide free legal services and primary animal health services to people who cannot afford it
- present sport clinics in and around our campuses

## Partnering with schools

We also partner with schools. We prepare promising grade 12 learners for their matriculation examinations, present a Winter School and a Science Week, donate MyLab sets and help with natural science experiments. In addition we train teachers, office-based staff and education leaders, help to establish new libraries or assist existing ones to expand, teach music to talented young musicians, and help teachers to hone their skills as sport coaches.

Our Sustainability and Community Impact team have also completed several studies that measure the impact of community-based interventions for a variety of corporate and civil society partners.





# GOING GREEN

As part of our environmental stewardship and awareness campaigns, we run annual energy-saving competitions for student residences. We are currently busy determining baseline consumption of all essential resources. Working groups help to manage and reduce consumption of water and energy.

As part of our awareness campaign for Global Climate Change Week, we display books on climate change, and hold art exhibitions (with artists using recycled materials) and panel discussions on the topic.



## Combating HIV/Aids

The HIV/Aids pandemic has a huge impact on South Africa and combating HIV/Aids is a priority for the university.

HIV/Aids services are available on all campuses through Student Counselling and Development, Employee Health and Wellness, and health clinics. They provide voluntary counselling (including long-term counselling) and testing to staff and students.

Students can become involved as activists on their campuses. The NWU's HIV office focuses on raising awareness about the prevention of HIV, stigmatisation and discrimination, reproductive health education, prevention of mother-to-child transmission, safe sexual behaviour and healthy interpersonal relationships.



# INNOVATING THE FUTURE

## Income through innovation

Patents and product sales generate around R18 million a year. Of the 58 RSA-patented inventions in our intellectual property portfolio, 47 are registered in various other countries, spanning 23 different countries in total. This implies more than 350 individual registrations, locally and internationally.

The NWU was named the most innovative South African university in the Clarivate Analytics IP and Innovation review, which was presented at the South African Research and Innovation Management Association (SARIMA) Conference in 2017.

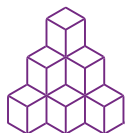
## Spin-off companies

The NWU forms innovative small and medium-sized spin-off companies as part of our commercialisation strategy and hold equity or earn royalties in some of these. Historically, the NWU has developed 36 technology-related spin-off companies, 28 of which are still active.

## Being money-wise counts

The NWU is a financially stable university that runs at a profit and has a growing income.

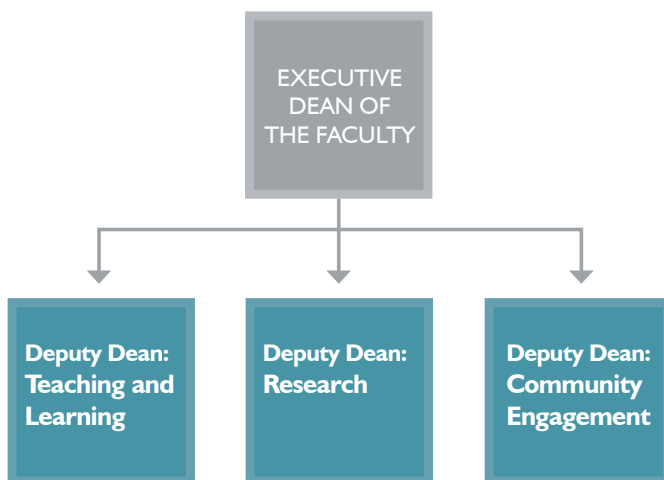
Total income in 2017: R4,1 billion					
	2013	2014	2015	2016	2017
Total income	R2 973m	R3 206m	R3 527m	R3 838m	R4 181m
Surplus (recurrent items)	R17m	R104m	R136m	R229m	R500m
Staff cost/total cost	51,5%	52,6%	54,7%	54,8%	56,0%
Income from entrepreneurial and residence activities	R944m	R933m	R946m	R990m	R1 026m
% of income from government	39,1%	39,5%	38,8%	40,1%	41,5%
% of income from tuition fees	28,4%	31,2%	33,2%	32,4%	33,9%
Capital expenditure on upgrading projects	R69,9m	R76,2m	R63,1m	R52,9m	R72,2m



# HEARTBEAT OF THE NWU : OUR FACULTIES

8

Faculties



Here are the numbers of students in the eight faculties in \*2018:

Faculty	Students	Faculty colour
Economic and Management Sciences	11 098	
Education	29 618	
Engineering	1 740	
Health Sciences	7 083	
Humanities	5 972	
Law	2 970	
Natural and Agricultural Sciences	6 003	
Theology	745	
<b>Total</b>	<b>65 229</b>	

\* (2018 figures are not final)



# ECONOMIC AND MANAGEMENT SCIENCES

## Entrepreneurial learning

- We include modules in entrepreneurship in two of the academic programmes that link to the BCom degrees in management sciences, and in our MBA.
- As from 2018, a module in problem solving for managers is part of various BCom Management Sciences qualifications.
- The bHive Enterprise Development Centre (EDC) has a short learning programme for female entrepreneurs, namely the Enterprising Women Programme. They also coordinate student-centred entrepreneurial learning opportunities such as the Young Entrepreneur Business Organisation (YEBO), CoachLab@Vaal (a postgraduate programme), the Greenleadership programme (focusing on “green businesses”) and Enactus.

## Exceptional programmes

- Short learning programme in wildlife management which attracts national and international participants
- BSc in environmental sciences with tourism and zoology/geography/botany (in cooperation with the Faculty of Natural Sciences and Agriculture)
- MCom in Applied Risk Management (a two-year part-time course)

## Research chair

World Trade Organisation Research Chair

## NWU research entities

Tourism Research in Economic Environs and Society (TREES); Workwell: Research Unit for Economic and Management Sciences;

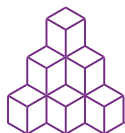
Trade and Development (TRADE); and Global Innovative Focussed Talent (GIFT).

## NWU Business School

The school offers part-time qualifications and academic programmes on Saturday mornings in Afrikaans at the campus in Potchefstroom, Monday evenings in English at the campus in Vanderbijlpark, and in English over selected weekends at the campus in Mahikeng. The MBA qualification is accredited by the Association of MBAs.

## Community projects

- Our Economic Literacy Centre trained community members in how to manage their finances and our bHive Enterprise Development Centre offers a short learning programme for female entrepreneurs.
- Staff and students offer extra classes in mathematics to learners from selected high schools.
- Other activities include promoting the sustainable development of the scuba diving tourism industry in Mozambique, a recycling project among students, game farming management, and empowering women in the field of tourism.



# EDUCATION

## Research chair

EDTP SETA Research Chair in  
Early Childhood Education

## Community projects

- We helped learners, teachers and community representatives with a Grade 7 Citizen Science investigation (linked to an international project) into the effects of climate change on the community.
- Our Luniko programme promotes parental involvement in the education of their primary school children.
- Students offer educational psychology services in communities (for instance at a provincial hospital) to find sustainable ways to address challenges.

## Exceptional programmes

- Advanced certificates and diplomas and BEd degrees in all three teaching phases
- Various BEdHons degrees, for instance in computer applications technology, educational management and leadership and educational psychology
- Master's and PhD in education law

## NWU research entities

Education and Human Rights in Diversity (Edu-HRights); Self Directed Learning; Community-Based Educational Research (COMBER); and Edu-Lead.



# ENGINEERING

## Entrepreneurial learning

Our entire academic approach is based on entrepreneurial thinking. (Several final-year and postgraduate projects have been transformed into successful enterprises such as CFAM Technologies, Jonker Sailplanes and Genio Intelligent Roasters.)

The business engineering module within Industrial Engineering is structured around the students forming a fundable business plan. The engineering management module has a multi-disciplinary and inter-disciplinary approach, with students addressing various aspects, including economics.

## Research chairs

- DST/NRF Chair in Coal Research (SARChi)
- DST/NRF Chair in Biofuels and Other Clean Alternative Fuels (SARChi)
  - DST/NRF Chair in Nuclear Engineering (SARChi)
- ESKOM EPPEI Specialisation Centre for Emission Control

## Exceptional programmes

- Internationally accredited BEng degrees in seven different areas of specialisation
- A postgraduate diploma in nuclear science and technology

## Community projects

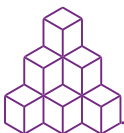
- Our Science, Engineering, Technology and Health (SETH) Academy at a high school in Potchefstroom helps with the training of future engineers by offering learners extra classes in SETH subjects in the afternoons.
- Eco-friendly coal is a recently patented project where we use fine coal (seen as a waste material), together with a catalyst, to produce eco-friendly coal.
- Our Modular Innobox project promotes entrepreneurial opportunities in micro economies. The units are pre-configured boxes or containers with all the necessary equipment, software, educational content, power and security systems. People can use them for social or business purposes.

## NWU research entities

Centre of Excellence in Carbon-based Fuels; the Unit for Energy and Technology Systems; and Multilingual Speech Technologies (MuST).

## Hosted entities, platforms and institutes

- DST HySA Infrastructure Centre of Competence in hydrogen production, storage, reticulation and safety codes and standards
- DTI Centre for Advanced Manufacturing



# HEALTH SCIENCES

## Research chair

DST/NRF Research Chair in Early Detection and Prevention of Cardiovascular Disease in Africa (SARChi)

## NWU research entities

Centre of Excellence for Nutrition (CEN); Centre of Excellence for Pharmaceutical Sciences (Pharmacen); Hypertension in Africa Research Team (HART); Africa Unit for Transdisciplinary Health Research (AUTHer); Community Psychosocial Research (Compres); Physical Activity, Sport and Recreation (PhASRec); Quality in Nursing and Midwifery (NuMiQ); Lifestyle Diseases; Medicine Usage in South Africa (MUSA); and Occupational Hygiene and Health Research Initiative (OHHRI).

## Community projects

- LIFEPLAN® is an adult life skills programme. This transdisciplinary product has been in existence for over a decade and the second version was launched in May 2018.
- The Social Greenhouse® is a new socially responsive, community engagement approach towards addressing social inequality and sustainability in the development and adoption of technologies.

## Exceptional programmes

- MHS (master of health sciences) in transdisciplinary health promotion and another in gerontology
- PhD in transdisciplinary health sciences, a BHSc in occupational hygiene and a BHSc in biokinetics (a four-year professional degree)
- MSW in forensic practice, and in child protection
- MHS in cardiovascular physiology
- MA and PhD in positive psychology

## Entrepreneurial learning

Our Africa Unit for Transdisciplinary Health Research (AUTHer) conducts research, teaching-learning and community engagement from a strong sustainability, participatory and entrepreneurial approach.

## Hosted platforms, centres and institutes

DST/NWU Preclinical Drug Development Platform (PCDDP); and Medical Research Council Extra Mural Unit for Hypertension and Cardiovascular Disease.

## Commercial research entity

Centre for Pharmaceutical and Biomedical Services



# HUMANITIES

## NWU research entities

Unit for Language and Literature in the South African Context; Enabling Optimal Expression of Individual, Social and Institutional Potential (OPTENTIA); Population and Health; Social Transformation; Understanding and Processing Language in Complex Settings (UPSET); Indigenous Language Media in Africa (ILMA); Musical Arts in South Africa: Resources and Applications (MASARA); and Visual Narratives and Creative Outputs through Interdisciplinary and Practice-led Research (VINCO).

## Community projects

Through our e-Agro Tourism CoLab project, we develop people's digital or e-literacy skills. The project is funded by the national Department of Telecommunication and Postal Services and the National Electronic Media Institute of South Africa.

## Exceptional programmes

- Master's degrees in medical sociology, population studies and sustainable development
- Master's degrees in musicology, music composition and music performance
- Postgraduate diploma in population and policy analysis, and in public administration
- BAHons in comparative African languages and literature, language technology and Afrikaans creative writing
- Professional BAHons in industrial and organisational psychology
- BA, BAHons, MA (dissertation) and PhD (thesis) in language practice

## Hosted platforms, centres and institutes

South African Centre for Digital Language Resources (SADiLar)





# LAW

## Exceptional programmes

- Doctor of laws in various disciplines, such as criminal and procedural law, trade and business law, and mercantile law
- PhD in laws with law and development
- Two LLM streams (research or coursework) with 19 different programme specialisations in different fields of law
- MPhil in environmental governance law and a professional LLM in criminal law and procedure

## NWU research entity

Research Unit for Law, Justice and Sustainability

## Community projects

- We share our legal expertise on community radio programmes.
- We provide free legal services to people who cannot afford legal counsel.



# NATURAL AND AGRICULTURAL SCIENCES

## Research chairs

DST/NRF Research Chair in Astrophysics and Space Physics (SARChi); and DST/NRF SA-NAM Bilateral Research Chair in Astronomy and Astrophysics (SARChi).

## Hosted platforms, centres and institutes

DST/NRF Centre in Indigenous Knowledge Systems (CIKS); and Centre for Human Metabolomics.

## NWU research entities

Centre for Space Research; Unit for Business Mathematics and Informatics (BMI); Unit for Environmental Sciences and Management (UESM); Chemical Resource Beneficiation (CRB); Human Metabolomics; Material Science Innovation and Modelling (MaSIM); Food Security and Safety; and Technology-Enhanced Learning and Innovative Education and Training, South Africa (TELIT-SA).

## Exceptional programmes

- MSc in astrophysics and space science
- MSc in crop science
- BScHons in environmental sciences with specialisation in waste management
- PhD in animal health
- Bachelor and master's degree in indigenous knowledge systems

## Entrepreneurial learning

We have various qualifications that focus on entrepreneurial learning, for instance in the fields of actuarial science, business mathematics and informatics, and business analytics.

## Community projects

- One of our projects brings disaster risk reduction knowledge to local governments to improve service delivery for local communities.
- We teach a local community how to produce and market the climate change-resilient super food, amaranth grain.
- The Madibogo Nano-Water filtration plant provides safe drinking water to a village.
- Our two science centres promote science, technology, engineering, mathematics and information sciences to local schools and the public.
- Our Nguni cattle project empowers emerging farmers to become commercially orientated, while another project is about developing indigenous therapies for cattle feed industries.



# THEOLOGY

## Community projects

- Our Fatherhood Training and Equipping programme at Potchefstroom Correctional Services focuses mainly on fathers who are released on parole after they have completed the Fatherhood programme.
- The Value and Character-building programme, launched in 2018, aims to instil values in and build good character among learners at a primary school in Potchefstroom.
- Through our IRIS (rainbow) project, we offer Latin at various primary and high schools in Potchefstroom.

## Exceptional programmes

- Our BA in ancient languages is one of the few programmes in Africa that offer specialisation in Greek, Hebrew and Aramaic. The School for Ancient Language and Text Studies is one of only three institutions that offer these and other languages necessary for deep analysis and study of ancient texts and the Bible and one of a few that offer a traditional classics degree.

## NWU research entities

Unit for Reformed Theology and the Development of the South African Society; and Ancient Texts: Text, Context and Reception.



# KNOWLEDGE KNOWS NO BOUNDARIES

## Talking numbers

Our Unit for Open Distance Learning (UODL) is the second largest provider of open distance learning programmes in South Africa. The unit manages and delivers academic programmes from six of our eight faculties to almost 25 000 students. The majority of students (23 311) are from the Faculty of Education. (To see which programmes we offer, visit our website at <http://distance.nwu.ac.za/>.)

In addition, the unit delivers the University Preparatory Programme (UnivPrep) to about 550 participants in South Africa and Namibia. What's more, we envisage that in five years' time, 25% of all NWU formal programmes will also be offered through open distance learning.

## How we do it

The open distance learning (ODL) mode of delivery makes provision for interactive whiteboard sessions presented at 86 learning support centres countrywide and in Namibia.

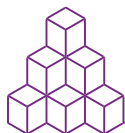
With this interactive technology, students and lecturers can type, draw, see and hear one another on the more than 200 interactive whiteboards.

Eight modern studios allow national and international broadcasts from the Unit for Open Distance Learning building on the campus in Potchefstroom. The contact sessions are recorded and posted on the web so that students can access them any time afterwards for revision.

Examinations are aligned with the on-campus examination timetables. The unit has 111 exam centres all over South Africa and Namibia and handles about 50 000 exam scripts during each examination session.

## The sweet taste of success

Graduation ceremonies for ODL graduates take place bi-annually in seven cities or towns in South Africa and two in Namibia. Over the past 16 years more than 80 000 NWU qualifications have been awarded to ODL students. The number of qualifications conferred on education students increased from 1 349 in 2001 to almost 6 000 qualifications in 2017.



# CREATING WELL-ROUNDED STUDENTS

The NWU is a place where students can achieve academic excellence and at the same time give their imagination wings, visualise their aspirations and incubate future success. Campus life is geared to holistic growth and development, and students are encouraged to participate in a wide range of cultural, sports, counselling and well-being activities.

## Student profile

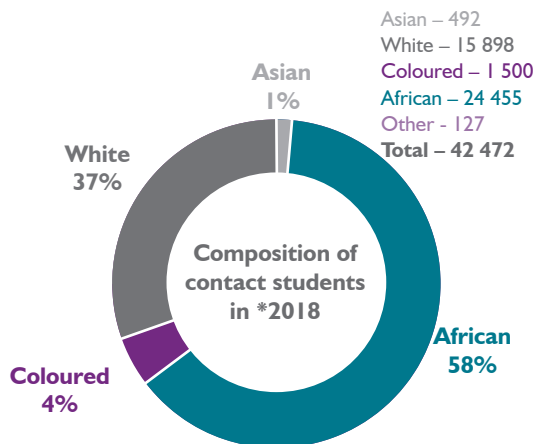
Diversity is the defining characteristic of the NWU's student profile. This gives our students a competitive advantage as they develop strength from their diversity and grow in their ability to communicate and interact.

**In \*2018, the NWU student profile looked like this (as on 2 May):**

	2013	2014	2015	2016	2017	2018
Total student enrolment	60 975	63 135	64 070	69 736	62 558	65 229
Contact	36 195	37 193	37 943	39 064	41 765	42 472
Distance	24 780	25 942	26 127	30 672	20 793	22 757

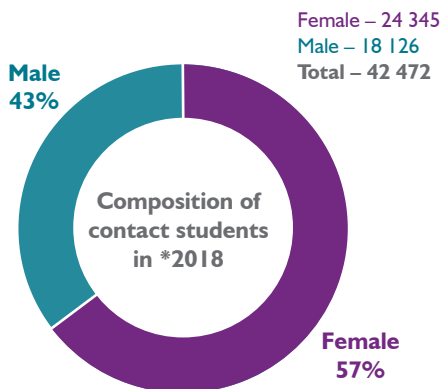
*\*(2018 figures are not final)*

### Racial composition



*\*(2018 figures are not final)*

### Gender composition



*\*(2018 figures are not final)*



## Undergraduate vs postgraduate

Although the majority of students were undergraduate students, the NWU also had significant numbers of postgraduate students in \*2018. Among them were:

2 682

Master's students enrolled

1 291

Doctoral students enrolled

\*(2018 figures are not final)

### Study options

Here are some of the study choices of students in \*2018:

Major field of study	Contact	Distance
Science, engineering and technology	12 289	39
Business and management	11 590	0
Education	7 496	22 146
Humanities and social sciences	11 194	572

\*(2018 figures are not final)

### Promoting academic success

We offer several programmes to assist students academically:

- All first-year students do academic literacy and skills tests to determine whether they would benefit from the additional academic literacy modules offered.
- Other academic support includes peer mentoring, tutorials, reading laboratories and writing centres.
- We also offer Supplementary Instruction (SI) which is an internationally recognised student academic support system.
- Our University Preparatory programme (UnivPrep) is a bridging programme for students who would otherwise not qualify for admission to university.
- We offer refresher programmes in mathematics to first-year students registered for programmes that include modules in mathematics.
- Our various extended programmes enable students to complete their studies over an extended period of time.



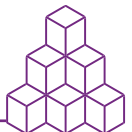
## Home sweet home

We currently provide 10 616 beds which are managed by Residence and Catering Services. These include beds owned by the NWU and others leased from private providers (operated as part of the formal residences of the university).

The number of students living in housing facilities provided by private landlords is estimated at another 2 500 beds.

There are 38 NWU-owned residences on the three campuses, plus one off-campus residence in Vanderbijlpark, where we are also renting an additional four residences off campus. A new residence on the campus in Vanderbijlpark will be completed in June 2019.

**The aim is to house at least 50% of contact students and 75% of first-year students in residences in the next 10 years.**



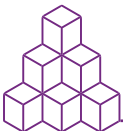
## Lending a helping hand

**We encourage our students to contribute to society through volunteerism.**

Since 2001, our campus in Potchefstroom has had the biggest registered student welfare organisation (Student RAG Community Service) in the world. In 2018, the Rag committee donated about R1,448 million to deserving projects and individuals from money raised by the Student RAG Community Service and RAG the previous year.

In addition, the campuses hold fundraising events such as golf and jazz days and cycling events to ensure that needy students eat two balanced meals every day. Students also do voluntary community service at local children's homes, shelters for the homeless, old age homes and the Society for the Prevention of Cruelty to Animals.

Students also offer extra maths classes in schools to assist teachers.





# BUILDING IMAGINATION AND MUSCLE

Students have many opportunities to develop their talents by participating in sport, arts, cultural and other extramural activities.

## Culture in the spotlight

Cultural activities include debate, drama, dance and cultural societies, orchestras, first-year concerts, musicals, talent competitions, choirs, vocal groups, art festivals, exhibitions and competitions, beauty contests, campus radio stations and student newspapers.

## Off to a running start

Based on achievements on the sports field, the university is one of the top sports universities in South Africa. The NWU boasts the following:



## We offer seven major sports codes:



## We also have numerous smaller sports codes and activities:

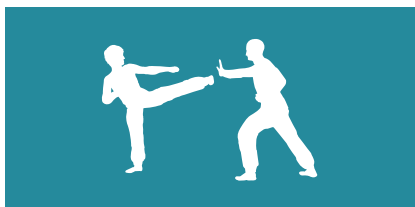
**Cycling / karate / softball / squash / rock-climbing / table tennis / competitive chess / body building / boxing / netball / dancing / rugby sevens / aerobics / ju-jitsu / water sports (rowing and canoeing) / marathon running / basketball / equestrian tent pegging**



## We are the champions

NWU sports teams and individuals have produced outstanding performances in the University Sport South Africa (USSA) championships and the Varsity Cup.

Here are some of the USSA highlights:



### Karate

Overall winners  
for 19 years in a row



### Gymnastics

Overall winners  
for second year in a row



Mountain biking  
Dance Latin Gold  
Chess (ladies)



Badminton  
Ladies basketball  
Bodybuilding



Tennis



## On the world map

A number of NWU students and coaches are making their mark in the international student sports arena, for instance our netball and tennis players.

Four netball players were selected for the South African netball group competing in the International University Sports Federation (FISU) World University Netball Competition in September 2018. Five tennis players will be part of the group taking part in FISU's Universiade 2019 in Italy.

Coaches who put the NWU on the world map include the head coach of our netball team who was appointed team manager of the South African netball team competing in the World Games. In addition, the head coach of our tennis team will be one of the coaches of the South African student team at FISU's Universiade 2019 in Italy.

Seven of our athletes participated in the London 2018 Athletics Cup and five took part in the mind-sports and karate championships in Malawi and Botswana respectively. Two students played basketball at the Confederation of University and College Sports Associations Games in Botswana.

A squash player will represent the NWU in the South African student team at the 2018 FISU Squash championships in the UK.

## Top training venues

Elite sportspeople from various levels of participation use the top-of-the-range facilities at the NWU High Performance Institute (HPI). It has one of the best-equipped sports gymnasiums in Africa and offers a complete range of sports training, medicine, research, nutritional and sport psychology services.

The Institute for Sport Science and Development provides scientific support services to national and provincial sports federations, the North-West Academy of Sport and various sporting codes on our campuses.

A modern Sports Village on the NWU's campus in Potchefstroom accommodates national and international sports teams that train at these venues.



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