



NORTH-WEST UNIVERSITY®
YUNIBESITHI YA BOKONE-BOPHIRIMA
NOORDWES-UNIVERSITEIT

It all starts here®

PROFILE 2016/2017



> 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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(Please note that all 2016 figures used are not final.)

> the spirit of the north-west university

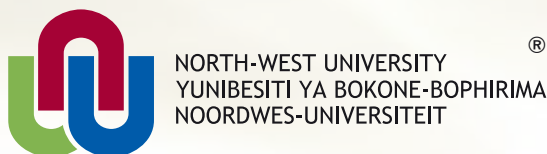
The spirit of the university is reflected in the way we unlock the future for people and enable them to make their dreams come true.

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 exceptional programmes (p10)
- Our entrepreneurial learning (p11)
- Our top research entities (p23)
- Our focus on internationalisation (p25)
- Our sporting excellence (p20)

our logo

The interlocking links symbolise the unity of the merged university and the three colours reflect our three vibrant campuses.



our pay-off line



It all starts here

Dit begin alles hier

Gotlhe go simologa fano

> our university

a new institution

The NWU came into being on 1 January 2004 as part of the transformation of the higher education landscape.

The institutions that came together to create the NWU:

POTCHEFSTROOM UNIVERSITY FOR CHRISTIAN HIGHER EDUCATION

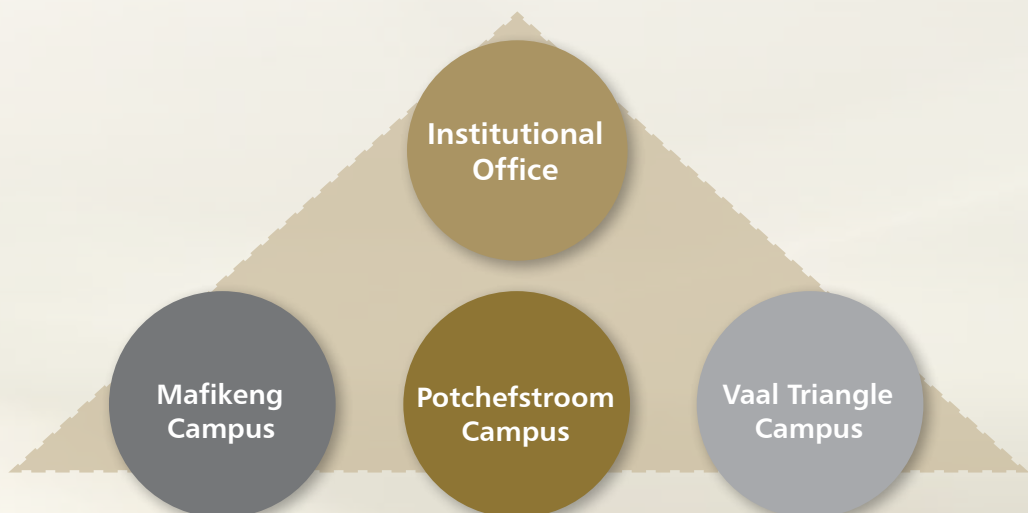
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UNIVERSITY OF NORTH WEST

+

The staff and students of the Sebokeng Campus of the Vista University were also incorporated.

a two-tier structure



our campuses

The Institutional
Office (head office)
is situated in
Potchefstroom near the
Potchefstroom Campus.



Mafikeng Campus
North West Province



Vaal Triangle Campus
Gauteng Province



Potchefstroom Campus
North West Province



each campus has its unique characteristics:

MAFIKENG

Mafikeng Campus

The Mafikeng Campus is in the capital of the North West Province and has an international ambience; 424 students from 24 countries were enrolled there in 2016.

It is the second largest of the NWU's three campuses, with 11 547 students enrolled in 2016, including 507 for distance programmes.

The campus's physical setting is peri-urban and some academic offerings have a rural development focus.

POTCHEFSTROOM

Potchefstroom Campus

The Potchefstroom Campus, which is the largest and oldest NWU campus, had 50 600 students registered in 2016, of whom 29 254 were enrolled for distance programmes.

Although most full-time undergraduate classes are in Afrikaans, the campus caters for other language preferences too. More than 80% of undergraduate programmes are either taught in English or interpreted into English through educational interpreting services. The campus accounts for the majority of the NWU's research output and National Research Foundation-rated researchers.

Vaal Triangle Campus

Situated in a proclaimed nature reserve on the banks of the Vaal River, the Vaal Triangle Campus has a diverse student profile and unique environmental setting. Various species of game roam the grounds.

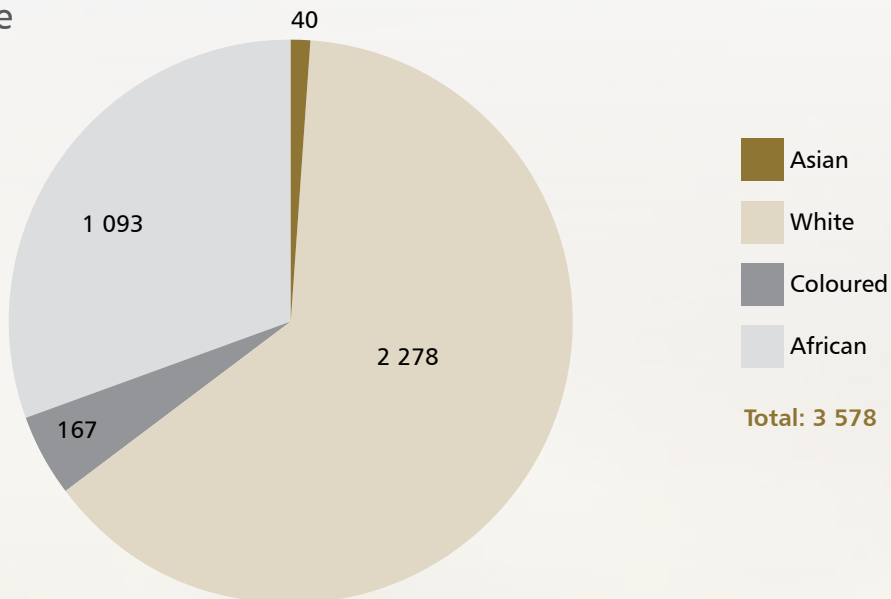
The campus, which had 7 589 registered students in 2016, contributes to the skills and knowledge of the Gauteng region and acts as a catalyst for economic growth.

VAAL TRIANGLE

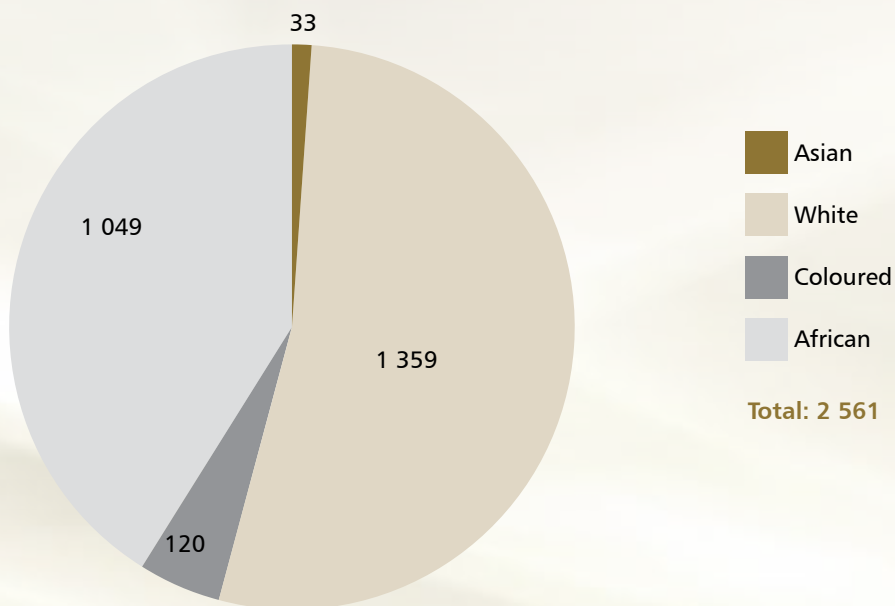
> our staff

racial and gender composition of NWU staff as at 31 May 2016

female



male



empowerment status

Black executive directors	50%
Female executive directors	37,5%
Black staff (% of total staff)	39,35%
Female staff (% of total staff)	55,85%

our staff members shine

Our academics excel in their fields, winning awards and sharing their expertise in South Africa and abroad. Here are a few of the many accolades they have achieved:

Loeries awards	ATKV Word Feathers (Woordveertjies)
National Research Foundation (NRF) awards	Represent SA/SADC countries/Africa at international conferences/bodies
Best paper/poster/article awards at international congresses	Research grants and fellowships from international bodies/institutions
Plenary speakers at international congresses	Chairs and executive/honorary members of national and international bodies
National and international awards for excellence in research	Members of the Academy of Science of South Africa (ASSAf)
Medals and other awards from SA Academy of Science and Arts (Havenga prize, ATKV prize)	

> our management team



Prof Dan Kgwadi
Vice-Chancellor

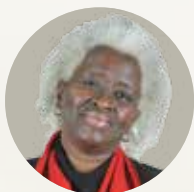


Prof Frikkie van Niekerk
NWU Vice-Principal and Deputy
Vice-Chancellor: Research,
Innovation and Technology

Chief executive and
accounting officer,
responsible to the NWU
Council for the institution's
overall performance.



Prof Martin Oosthuizen
Deputy Vice-Chancellor:
Teaching-Learning



Prof Mashudu Davhana-Maselesele
Rector: Mafikeng Campus



Prof Fika Janse van Rensburg
Acting Rector: Potchefstroom
Campus



Prof Linda du Plessis
Acting Rector: Vaal Triangle
Campus



Prof Marlene Verhoef
Institutional Registrar

In addition to the institutional registrar there are three executive directors:



Ms Elmarie de Beer
Executive Director:
Finance and Facilities



Mr Kedirang Oagile
Executive Director:
People and Culture



Mr Clement Manoko
Executive Director:
Corporate Communication

> our academic offerings

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 full potential and start developing their careers.

students enrolled

2004 **2015**
40 145 64 070

= 60% growth

qualifications awarded

2004 **2015**
9 657 15 597

= 62% growth

PhDs awarded

2004 **2015**
87 222

= 155% growth

undergraduate pass rate

2005 **2015**
78,02% 85,09%

	2012	2013	2014	2015
Undergraduate pass rate	88,2%	85,1%	86,1%	85,1%
Graduation rate	25%	25%	24,1%	24,3%
Degrees and diplomas awarded	14 669	15 464	15 254	15 597
Master's degrees awarded	670	781	746	742
PhDs awarded	154	168	171	222

exceptional programmes

We offer various programmes not easily found at other South African universities. Here are a few examples:

MAFIKENG CAMPUS

- A BScAgric in animal health, registered with the South African Veterinary Council
- Bachelor in indigenous knowledge systems – the first SAQA-accredited multi-disciplinary programme in this field
- Transport economics and logistics management
- Grade R diploma (practices) for early learning centres and Grade R teachers in North West

POTCHEFSTROOM CAMPUS

- Master of Engineering in nuclear engineering
- Bachelor of Health Sciences in occupational hygiene
- Master of Health Sciences in transdisciplinary health promotion and in gerontology
- Master of Science in pharmaceutical sciences
- LL.M degrees in import and export law, estate law and comparative child law, as well as environmental law and governance
- BScHons in environmental sciences with specialisation in waste management (the only postgraduate degree of its kind in South Africa)
- Master's degrees in environmental management, ecological water requirements and waste management
- Master's and doctoral degrees in management (in the curriculum disaster risk management)
- BCom in economic sciences with agricultural economics and risk management
- BCom and postgraduate studies in forensic accountancy
- BA and BAHons in ancient languages
- Business mathematics and informatics: master's degree in advanced business analytics and quantitative risk management, including the actuarial specialisation, Certified Enterprise Risk Actuary (CERA)
- BA degree in public governance with policing practice (distance learning)

VAAL TRIANGLE CAMPUS

- Master's degree in positive psychology
- Master's degree in banking and financial risk management
- Master's degree in human resource management
- Full master's degree in industrial psychology
- Honours degree in medical sociology

The North-West University School of Business and Governance offers part-time programmes – on Saturday mornings in Afrikaans in Potchefstroom, Monday evenings in English in Vanderbijlpark and in English over selected weekends in Mahikeng. The MBA programme is accredited by the Association of MBAs (AMBA).

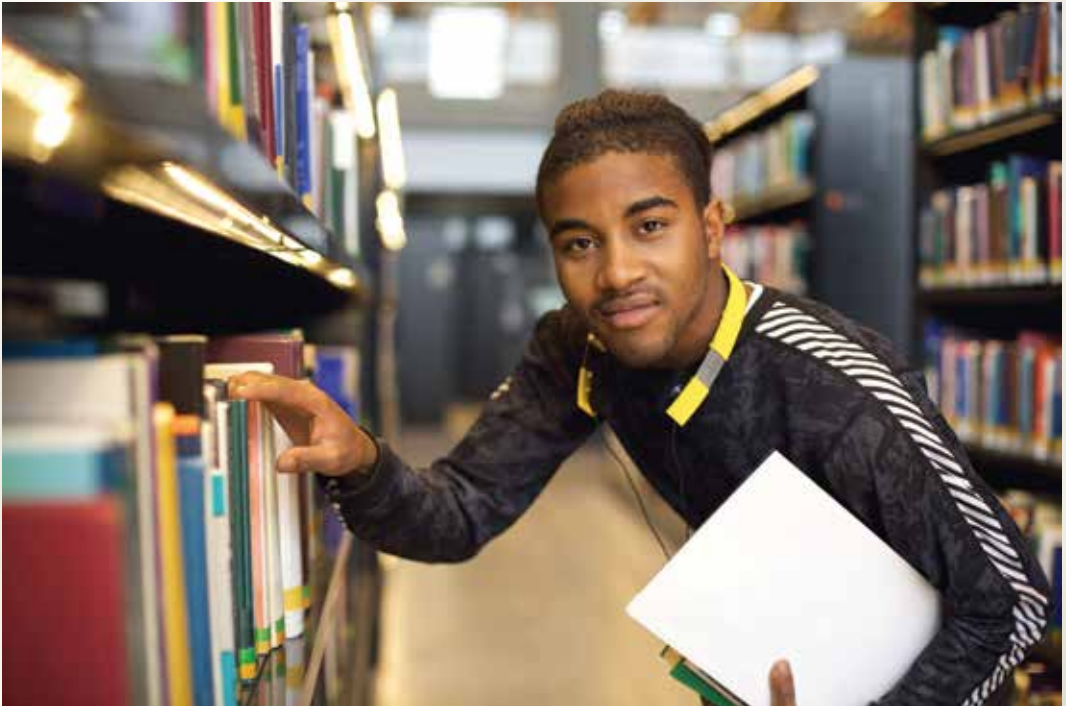
entrepreneurial learning

- Academic programmes in entrepreneurship are included in the BCom Entrepreneurship and Business Management and the MBA.
- A module in problem solving for business is part of the BCom Entrepreneurship and Business Management, BSc Consumer Sciences and BSc IT.
- The bHive Enterprise Development Centre (EDC) on the Vaal Triangle Campus has a short learning programme for female entrepreneurs, namely the Enterprising Women programme. The bHive EDC also coordinates student-centred entrepreneurial learning opportunities, for instance the Young Entrepreneur Business Organisation (YEBO).

distance learning programmes

We have the second largest open distance learning unit in South Africa. Most of our 30 000 distance learning students are studying education, but there are also nursing, theology and policing students.

This unit has close to 63 tuition and 120 examination centres. These are spread throughout South Africa and some are in other Southern African Development Community (SADC) countries.



unique language policy

In line with our policy of functional multilingualism, the NWU provides academic interpreting services for students. The main user is the Potchefstroom Campus. Interpreting is used for all undergraduate modules (and some postgraduate modules) not taught in English but where access in English is required.

Educational interpreting facilitates access for non-Afrikaans-speaking students in all fields of study. It also enables lecturers not fluent in Afrikaans to teach in English (with interpreting into Afrikaans).

Parallel-medium classes have been offered in some modules for quite some time. This was

expanded to large first-year modules on the Potchefstroom Campus from the beginning of 2016 and will be rolled out to further study years where practicable.

Interpreting from English to Setswana is available on request in certain modules on the Mafikeng Campus.

On the Vaal Triangle Campus, first-year classes are offered in parallel medium and in English only from the second year of study. Interpreting from English to Afrikaans is available on request from the second year onwards.

promoting academic success

The NWU offers several programmes to assist students academically:

- Academic literacy modules: 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.
- The University Preparatory programme (UnivPrep) is a bridging programme

for students who would otherwise not qualify for admission to university.

- Supplemental Instruction (SI) is an internationally recognised student academic support system.
- Refresher programmes in mathematics are offered to first-year students registered for programmes that include modules in mathematics.
- Various extended programmes enable students to complete their studies over an extended period of time.



critical skills for the country

The university focuses on developing scarce and strategic skills:



Teachers

- In 2015 the NWU delivered 1 236 teachers – 972 of them were BEd students and 264 Postgraduate Certificate in Education students.
- We also train technical teachers, who are in high demand since a new technical curriculum was implemented at high schools and technical schools.
- Furthermore, we offer a diploma in Grade R teaching (100% distance learning) to reach more students nationally to fill this gap in the teachers' education.



Accountants

- To address the shortage of accountants in South Africa, we offer four professional accountancy degrees. These degrees are in forensic accountancy, chartered accountancy, management accountancy and financial accountancy. We are the only university in South Africa offering all these specialisations at undergraduate level. (Master's and doctoral degrees are also offered in all four professional fields mentioned.)



Skills in mathematics

- Various extended degree programmes in the BCom, CA and BSc IT fields target students who only have mathematics literacy or a lower-than-required mark in mathematics.
- The Bridging the Mathematical Gap programme helps Grade 12 learners to improve their final results in mathematics, increasing access to BCom and BSc studies.
- A short learning programme, Maths for BCom, also increases access to BCom studies.



Nurses

- To address the shortage of nursing staff in South Africa, we offer various nursing programmes.



Animal health technicians

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



Engineers

- To help address the shortage of engineers in South Africa, we offer the following programmes: mechanical and nuclear engineering, electrical and electronic engineering, chemical engineering, industrial engineering, electronic and computer engineering and electro-mechanical engineering. (All programmes are accredited with the Engineering Council of South Africa.)

our centres

MAFIKENG CAMPUS

- > Offering honours and master's degrees, the **Centre for Applied Radiation Science and Technology (CARST)** builds capacity for the nuclear industry in South Africa.
- > The **Community Law Centre**, **Animal Health Centre** and the **Ipelegeng Family Centre** render free services to people who cannot afford these services.

POTCHEFSTROOM CAMPUS

- > The **Centre for Pharmaceutical and Biomedical Services** manages all pharmaceutical and biomedically related commercial services.
- > The **DST HySA Infrastructure Centre of Competence** focuses on hydrogen production, storage, reticulation and safety codes and standards.
- > The **Centre for Text Technology (CTexT®)** does research in human language technology and develops language technology products, such as spelling checkers and machine translations, for South African languages.
- > The **Centre of Excellence in Advanced Manufacturing** is a trailblazer in extrusion, which is used to manufacture products in the food, feed, plastic, powder paint and compounding industries.
- > The **DST/NWU Preclinical Drug Development Platform** and the **Centre of Excellence for Pharmaceutical Sciences** have developed a unique drug delivery technology, known as **Pheroid®**, for more effective treatment of diseases such as malaria.
- > The **World Health Organisation Collaborating Centre for the Quality Assurance of Medicines (CENQAM®)** is involved in quality assurance and control of medicines for regulatory and non-regulatory organisations in South Africa and abroad.
- > The **Centre for Water Sciences and Management** assists industry and government in addressing water-related problems facing South Africa.
- > The **Centre for Business Mathematics and Informatics** focuses on industry-directed research in quantitative risk management, business analytics and data science with application in the financial sector.

VAALE TRIANGLE CAMPUS

- > The **Serious Games Institute South Africa (SGI-SA)** uses special simulation games to train people in subject fields such as socio-economics, regional planning and risk assurance. They also focus on mobile technology and the development of apps for smart devices (App Factory).
- > The **Centre for Continuing Professional Development (CCPD)** offers short courses and workshops in fields such as project management, labour relations and management and computer skills.
- > The **bHive Enterprise Development Centre** empowers students and community members to become entrepreneurs and to tap into opportunities in the marketplace. It also hosts entrepreneurial student groups such as Coachlab at Vaal, the Young Entrepreneur Business Organisation (YEBO) and Enactus.
- > The **Centre for Applied Risk Management (UARM)** addresses the need for postgraduate risk management education and applied risk research.
- > The **Centre for Translation and Professional Language Services (CTrans)** provides services to local and international clients in all 11 South African languages, as well as some European languages.

our contribution towards 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, with the campus health clinics providing voluntary counselling and testing to staff and students.

Students are actively involved in HIV/Aids awareness on the campuses and among communities. They hold counselling workshops and arrange anti-discrimination marches, candle weeks and condom weeks.



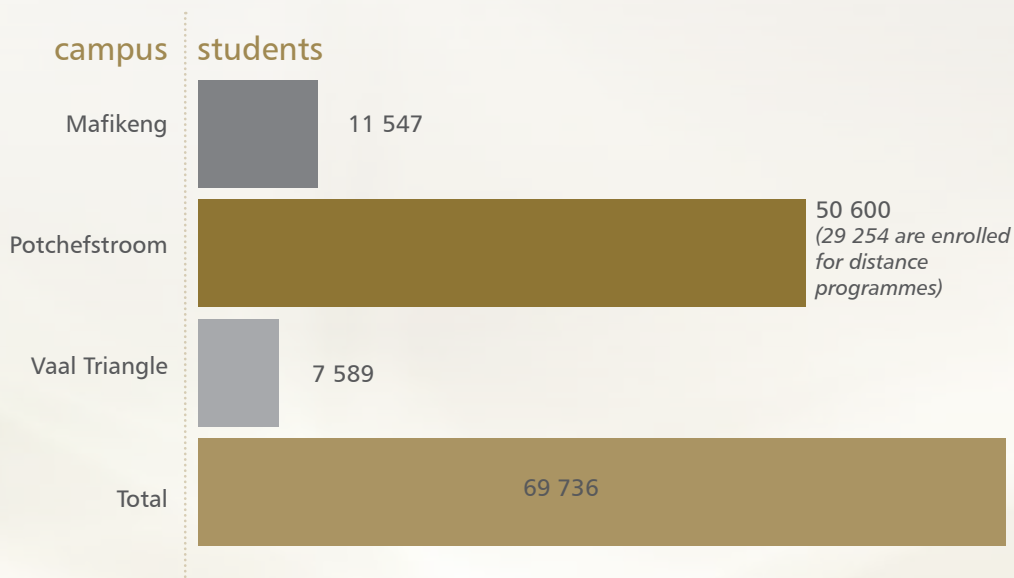
our students

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 wellbeing activities.

student profile

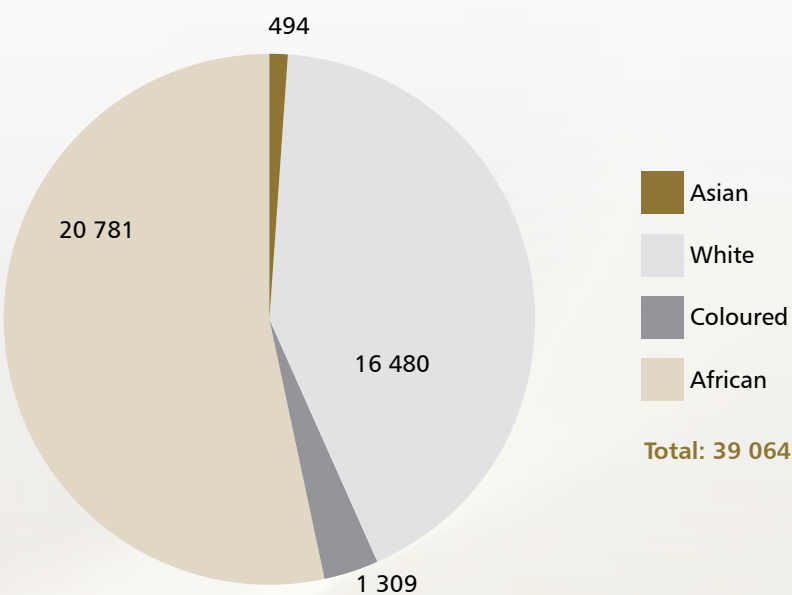
Diversity is the defining characteristic of the NWU's student profile. This gives our students a competitive advantage as they develop strength from their diversity and grow in their ability to communicate and interact.

In 2016, the NWU student profile looked like this:

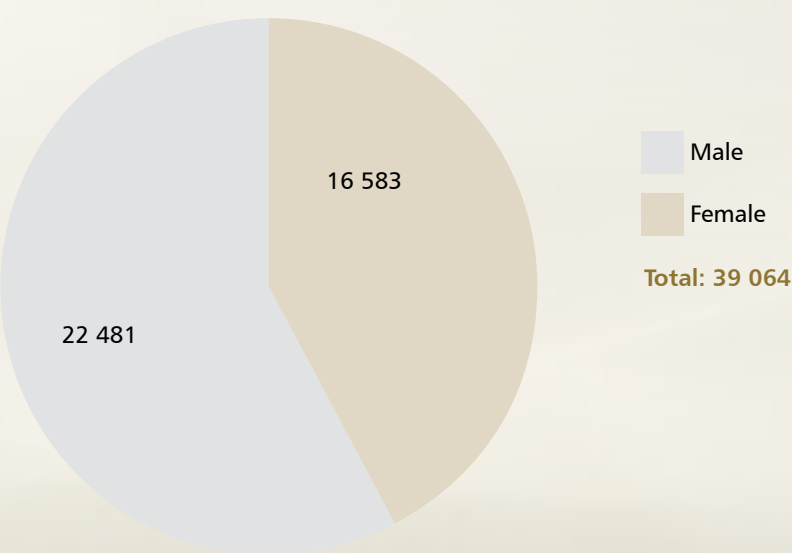


	2012	2013	2014	2015	2016
Total student enrolment	58 752	60 975	63 135	64 070	69 736
- Contact	34 389	36 195	37 193	37 943	39 064
- Distance	24 363	24 780	25 942	26 127	30 672

racial composition of contact students in 2016



gender composition of contact students in 2016



undergraduate vs postgraduate

By far the majority of students are undergraduate students, with 53 701 studying towards bachelor's degrees or diplomas in 2016. However, the NWU also had significant numbers of postgraduate students:

master's students

2 639

doctoral students

1 384

study options

Here are some of the study choices of students in 2016:

Major field of study	Contact	Distance	Total (%)
Science, engineering, technology	12 792	1 167	20,02
Business/management	13 026	28	18,72
Education	3 280	21 698	35,82
Other humanities	13 125	7 478	29,54



student support

We offer the following to support and develop our students:

- financial support (bursaries)
- counselling, psychological and developmental services
- peer helpers and mentors
- healthcare centres
- disability units
- social workers
- projects providing needy students with regular, balanced meals
- a Career Centre, enabling students to network with potential employers and improve their CV writing and interviewing skills, among others.

student facilities and infrastructure

The following student facilities and infrastructure offer the best possible learning and extracurricular development opportunities:



Modern lecture halls, libraries with research commons, computer laboratories, research laboratories fitted with top-of-the-range equipment, student centres with cafeterias and offices for student leaders, student residences and sports facilities, including sports fields and well-equipped gymnasiums.

Our ongoing building, maintenance and upgrading programme ensures that current and future infrastructure needs are met. We spent R156,6 million on infrastructure and facilities across the NWU in 2015.

extracurricular development

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

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



sporting excellence

Based on achievements on the sports field, the university is one of the top sports universities in South Africa.

The NWU boasts the following:



RUGBY
INSTITUTE



CANOEING
CLUB



SOCCER
INSTITUTE



HOCKEY
ACADEMY



MAJOR SPORTS CODES

athletics | cricket | hockey
netball | rugby | soccer | tennis



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 | squash | water sports (rowing
and canoeing) | marathon-running
basketball | equestrian tent pegging

our champions

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

USSA Games 2015

Campus	Sports code	First, second or third place
Potchefstroom	Gymnastics	First
Potchefstroom	Athletics	Second
Potchefstroom	Badminton	Second
Potchefstroom	Cycling	Second
Potchefstroom	Women's hockey	Third
Potchefstroom	Rugby sevens	Third
Potchefstroom	Golf	Third
Potchefstroom	Netball	Third
Potchefstroom	Rugby	Third
Mafikeng	Badminton	Third (B and C sections)

Varsity Cup 2015

Campus	Sports code	First, second or third place
Potchefstroom	Athletics	First
Potchefstroom	Netball	First
Potchefstroom	Rugby	Second

USSA Games 2016

Campus	Sports code	First, second or third place
Potchefstroom	Athletics	First

Varsity Cup 2016

Campus	Sports code	First, second or third place
Potchefstroom	Rugby	First
Potchefstroom	Sevens	Third
Potchefstroom	Athletics	Third

international sports achievements

Each year, many NWU sportspeople are selected for national teams participating abroad.

A student from the Mafikeng Campus won the African boxing championships, a korfbal player took part in the International Korfbal Federation World Championship 2015 in Belgium and two Soccer Institute players were members of the USSA national team that competed in Korea in June 2015.

Various athletes from the Potchefstroom Campus participate internationally. Recent achievements include the two gold medals athletes scooped during the International Association of Athletics Federation (IAAF) Diamond League 2016 event in Doha. Four athletes participated in the 2016 Olympic Games in Rio: an 800m athlete, a javelin thrower, a 5 000m runner and a decathlon athlete. The first three are the national record holders. The athletes brought home two medals from Rio: a silver (javelin) and a gold (800m).

A student from the Vaal Triangle Campus is the current world Jetski Women's Runabout Stock champion. Another student joined the South African University soccer team that took part in the World University Games in South Korea. She was also selected for South Africa's national women's soccer team taking part in the 2016 Olympic Games in Rio de Janeiro.

top training venue

A four-star **Sports Village** on the Potchefstroom Campus accommodates national and international sports teams that train at the university.

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.



our research

Research at the NWU is organised according to a research entities model with four levels. These are niche areas (the entry level entity), focus areas, units and, ultimately, centres of excellence.

Centres of excellence

Centre of Excellence for Nutrition (CEN) | Centre for Space Research | Centre of Excellence for Pharmaceutical Sciences (Pharmacen)

Research units

Unit for Energy and Technology Systems | Unit for Reformed Theology and the Development of the South African Society | Unit for Business Mathematics and Informatics (BMI) | Unit for Languages and Literature in the South African Context | Unit for Environmental Sciences and Management | Research Unit for Law, Justice and Sustainability | Africa Unit for Transdisciplinary Health Research (AUTHeR) | WorkWell: Research Unit for Economic and Management Sciences | Education and Human Rights in Diversity (Edu-HRights) | Tourism Research in Economic Environs and Society (TREES) | Hypertension in Africa Research Team (HART)

Focus areas

Ancient Texts: Text, Context and Reception | Community Psychosocial Research (Compres) | Human Metabolomics | Chemical Resource Beneficiation | Population and Health | Social Transformation | Understanding and Processing Language in Complex Settings (UPSET) | Physical Activity, Sport and Recreation (PhASRec) | Enabling Optimal Expression of Individual, Social and Institutional Potential (OPTENTIA) | Quality in Nursing and Midwifery (INSINQ) | Material Science Innovation and Modelling (MaSIM) | Self-directed Learning (SDL) | Trade and Development (TRADE)

Niche areas

Medicine Usage in South Africa (MUSA) | Lifestyle Diseases | Food Security and Safety | Musical Arts in South Africa: Resources and Applications (MASARA) | Multilingual Speech Technologies (MuST) | Visual Narratives and Creative Outputs through Interdisciplinary and Practice-led Research | Occupational Hygiene and Health Research Initiative (OHHRI)

Several **centres, platforms and institutes** are hosted at the NWU, mainly on the Potchefstroom Campus. They are the following:

- DST/NWU Preclinical Drug Development Platform (PCDDP)
- DST HySA Infrastructure Centre of Competence in hydrogen production, storage, reticulation and safety codes and standards
- dti Centre for Advanced Manufacturing
- DST Centre of Excellence in Indigenous Knowledge Systems (IKS)
- Centre for Human Metabolomics

The NWU also has a commercial research entity:

- Centre for Pharmaceutical and Biomedical Services

research scoreboard



research chairs

The Department of Science and Technology (DST) has awarded five research chairs to the Potchefstroom Campus. These chairs are in Coal Research, Early Detection and Prevention of Cardiovascular Disease in Africa, Nuclear Energy, Astrophysics and Space Research, and Biofuels and other clean alternative fuels.

The campus also has four externally funded research chairs: ETDP/SETA Chair in Early Childhood Education, the Nutricia Research Foundation Chair in Clinical Nutrition, the Eskom Chair in Emission Control and the World Trade Organisation Chair.

2 146

total weighted research
output units in 2014

164

postdoctoral fellows
in 2014

182

NRF-rated researchers
in 2014

	2011	2012	2013	2014
PhDs awarded	115	154	168	171
Article equivalents published (total)	734	869	1 170	1 127
NRF-rated researchers	125	140	169	182
Total weighted research output	1 483	1 793	2 180	2 146

our researchers

On average, our academics spend 40% of their time conducting research, which is in line with our Annual Performance Plan.

In 2014, we had 182 NRF-rated researchers.

building 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, article writing and best practices in preparing research questionnaires.

postgraduate recruitment

We are also broadening our pool of research skills by actively recruiting more master's and doctoral students. In 2016, a total of 2 639 students were registered for master's and 1 384 for doctoral studies.

our focus on internationalisation

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 2016, we had 3 867 students from over 65 countries, including 3 734 postgraduates of whom 401 were doctoral candidates.

national and international cooperation

The NWU has relationships with numerous universities and other entities in South Africa and abroad.

universities abroad

- Hokkaido University, Japan
- Hanseo University, South Korea
- China University of Agriculture
- Cracow University of Economics, Poland
- University of Glasgow
- Midlands State University, Zimbabwe
- University of Miami, USA
- Universities in the Netherlands: Vrije Universiteit, Amsterdam, Tilburg, Twentig, Leiden,

- Erasmus, and the Apeldoorn and Kampen universities of theology
- Universities in Belgium: Antwerp, Katholieke Universiteit Leuven, Ghent
- Universities in Germany: Heidelberg, Justus-Liebig, Potsdam
- Universities in Sweden: University of Lund, Uppsala University

international bodies

- United Nations Educational, Scientific and Cultural Organisation (Unesco)
- European Union
- G20 Youth Forum
- European Scientific Institute
- World Trade Organisation
- World Health Organisation
- World Bank
- Association of Energy Engineers (international body)
- India Tea Research Association

- BRICS: Academic Forum, University Network and Council of Exercise and Sport Science
- The World Academy of Science (TWAS)
- World Association of Young Scientists
- International Association for Cognitive Education and Psychology (IACEP)
- Electricity regulators of the SADC countries

industry

MINTEK
Rand Water
Rheinmetall Denel Munition

Eskom
Sasol
ArcelorMittal

Provincial governments, including North-West, Gauteng and the Free State

National departments, including the Department of Higher Education and Training and the Department of Energy

Local communities, including Bakgatla-Ba-Kgafela Traditional Authority and the Royal Bafokeng nation and national sport clubs, for instance Kaizer Chiefs Football Club

Local municipalities, including the Tlokwe Municipality

our innovation

THRIP income: In 2015, we received a total of R39,7 million in Technology and Human Resources for Industry Programme (THRIP) funding, which was among the highest of all universities in South Africa. This reflects our success in pursuing sustainable collaboration with the private sector and the public sector.

Income through innovation: Patents and income from product sales generate around R43,8 million a year. Of the 53 RSA-patented inventions in our Intellectual Property portfolio, 47 are registered in various other countries, spanning 21 different countries in total.

Spin-off companies: The NWU forms innovative small and medium-sized spin-off companies as part of our commercialisation strategy; we hold equity in some of these. Currently, we have 21 spin-off companies, 13 of which are active.



our community engagement

Sharing our expertise is intertwined in our core business and includes community engagement.

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

However, our community 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 community engagement often involves research about, with and in communities. It is interactive, entails learning from our communities and also provides work-integrated learning or service-learning opportunities for students.

In 2015, the NWU was involved in 297 community-related activities. We were solely responsible for some of the projects and participated in others through projects driven by other groupings.

community engagement projects

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

- build houses and create jobs for the foster parents caring for orphans affected by HIV/Aids
- provide pre-school and after-school recreation facilities for orphans
- train pre-school caretakers in educational techniques and assist in formalising and developing informal day care centres
- share our expertise on community radio programmes, for instance about legal matters
- improve rural health and wellbeing by for instance teaching farm women about healthy nutrition and assisting them to generate income from sewing and glass-making
- provide free legal services to people who cannot afford legal counsel
- provide primary animal health care services to people who cannot afford veterinary services
- coach and equip men to fulfil their role in local communities
- support international initiatives such as the campaign against women and child abuse, and national campaigns, for example those organised by the Cancer Association of South Africa
- train members of NGOs to manage their projects sustainably and profitably
- cooperate with groups such as NGOs, business chambers and government departments to reinvigorate the Vaal Triangle's economy
- do multidisciplinary research, for instance in Bekkersdal, focusing on the eco-wellbeing of this mining area
- empower upcoming farmers to become commercial Nguni farmers
- train government officials in financial management
- train business start-ups, with specific focus on female entrepreneurs
- offer swimming lessons and circuit training to members of the community and present sport clinics in and around Mahikeng.

partnering with schools

- We prepare promising Grade 12 learners for their matriculation examinations and the challenges of university life.
- We present a Winter School where university staff and students offer supplementary teaching.
- We assist Grade 12 learners to improve their maths performance.
- We help increase the number and readiness of students enrolled for science, engineering and technology studies at universities.
- We offer training for teachers, office-based staff and education leaders.
- We empower accounting educators to better understand the curriculum and improve their Grade 12 exam results.
- We assist teachers with thinking skills and strategies.
- We assist early childhood education practitioners to run their centres more effectively and provide quality pre-primary education.
- We teach music to talented young musicians.
- We provide interpreting services in two schools, making multilingual learning possible.
- We train teachers to become soccer coaches, referees and managers.
- We adopt sports teams to enhance their performance and make them aware of tertiary education opportunities.
- We organise astronomy quizzes for Grade 7 learners to promote interest in science.
- We host a Science Week for Grade 4 to 12 learners.
- We visit schools to help them with natural science experiments and donate MyLab sets to demonstrate chemical experiments to learners.
- We organise life skills groups at certain schools (and also in the broader community).
- We visit schools to encourage good citizenship among learners and teach ancient culture and Latin classes at schools in Potchefstroom.
- We help to establish new libraries at schools, or assist existing ones to expand.
- We showcase different career opportunities in mathematics and technology.
- We undertake projects to improve local communities' quality of life, for instance by designing insulation panels for informal housing.
- We supplied the technology to ensure purified water for a village and school.

involving students

We encourage our students to contribute to society through volunteerism:

The Potchefstroom Campus has had the biggest registered student welfare organisation in the world since 2006 and received the international 2012 MacJannet prize from the Talloires Network for their good work and global citizenship. In 2016, the Rag committee donated about R2,8 million to deserving projects and individuals.

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.

> our finances

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

**Total income 2015
= R 3 527 million**

	2010	2011	2012	2013	2014	2015
Total income	R2 002m	R2 318m	R2 702m	R2 973m	R3 206m	R3 527m
Surplus (recurrent items)	R37m	R63m	R103m	R17m	R104m	R136m
Staff cost/total cost	52,8%	52,4%	52,2%	51,5%	52,6% ***	54,7%
Self-generated income	R642m	R751m	R864m	R944m	R933m	R946m
% of income from government	44,6%	43,1%	40,8%	39,1%	39,5%	38, 8%
% % of income from tuition fees	23,6%	24,7%	26,5%	28,4%	31,2%	33,2%
Capital expenditure on upgrading projects	R60,5m	R53,2m	R82,5m	R69,9m	R76,2m	R63,1m

*** Before benefit enhancement - IAS19



> yunibesiti ya rona

Ka 1 Ferikgong 2004 Yunibesiti ya Bokone-Bophirima (YBB) e ne ya simolola semmuso go nna karolo ya leano le le atologileng la go fetola thuto e e kwa godimo, ka boikaelelo jwa go dirisa madi ka tshomarelo le go baakanya bothata jwa nako e e fetileng jwa go sa dirweng ga dilo ka go tshwana.

YBB ke setheo sa dikhamphase tse di farologaneng tse di dirang jaaka khamphase e le nngwe fela tse di leng mo diporofenseng tse pedi. Dikhamphase tseno ke khamphase ya Potchefstroom le ya Mafikeng kwa Bokone Bophirima le Khamphase ya Khutlotharo ya Lekwa kwa Gauteng. Ofisi ya Setheo (ofisi-kgolo) e kwa Potchefstroom gaufi thata le Khamphase ya Potchefstroom.

Mo dingwageng di le mmalwa tse di fetileng, YBB e ile ya akgolwa ke ditlamo tse di kwa ntle ka ntlha ya boeteledipele jwa yone mo ditirong tse di farologaneng.

Leinatshwao la kgwebo la Yunibesiti ya Bokone-Bophirima le na le dikarolo tse pedi, e leng letshwao la kerafo kgotsa letshwaoina – “dikeetane” tse di gokaganang le letshwaofoko, leina la setheo – Yunibesiti ya Bokone-Bophirima.

“Dikeetane” tse tharo tse di gokaganang di tshwantshetsa kutlwano ya Yunibesiti ya Bokone-Bophirima mme mebala e meraro e tshwantshetsa dipharologano tsa methalethale tsa dikhamphase tse tharo.

Kwa Yunibesiting ya Bokone-Bophirima, go kopana ga ditalente tse di tlhomologileng, bokgoni le ditshwanelego tsa baithuti le badiri ba rona ba ditso tse di farologaneng go dira gore gantsi re nne le dikgopolo tse diša tsa go dira dilo.

Moano wa rona, Mokgwa o moša wa go dira dilo ka dipharologano, o gatelela ntlha eno.

E bontsha maikemisetso a Yunibesiti a go rata le go amogela ditso tse di farologaneng le go dirisa dipharologano tseno go gagamalela kitso le mekgwa e meša ya go dira dilo, go letla baithuti le badiri ba rona go nna se ba batlang go nna sone le go godisa moya wa rona wa mekgwa e meša ya go dira dilo.





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