



The **Faculty of Natural and Agricultural Sciences** is the largest of its kind in Africa. This diverse faculty is renowned for its expertise in forestry and agriculture, food systems, biotechnology as well as life sciences and mathematical and statistical sciences, and our international rankings underline this. Our broad range of disciplines allow us to tackle interdisciplinary societal problems by finding cures for poverty-related and infectious diseases such as Tuberculosis, HIV/ AIDS and Malaria.



INTERNATIONAL RANKING

QS World University Rankings by subject 2020:

51-100
Agriculture and Forestry

401-450
Mathematics

301-350
Biological Sciences

451-500
Chemistry

301-350
Environmental Sciences



RESEARCH CHAIRS

8 South African Research Chairs Initiative (SARChI) chairs

12 Industry Chairs



INTERFACULTY CHAIRS



- Ampath Chair in Human Genetics between NAS and Faculty of Health Sciences
- York Timbers Chair in Wood Engineering between NAS and Faculty of Engineering, Built Environment and Information Technology
- DST/NRF South African Research Chairs Initiative (SARChI) in Sustainable Malaria Control between NAS and Health Sciences

**Centre for Science and Technology Studies (CWTS)
Leiden University**

1 in mathematics and computer science in South Africa

STAFF PROFILE



268
academic staff members



235 (88%)
of academic staff have PhDs - Aug 2020

STUDENT PROFILE



5 354
Undergraduate students



1 853
Postgraduate students



799
International students



ACADEMIC OFFERINGS

35 undergraduate degree programmes

142 postgraduate degree programmes (31 honours, 66 master's and 45 PhD)

7 research centres

6 research institutes



13 ACADEMIC DEPARTMENTS



UNIQUE DEGREES

BSc Meteorology – the only degree of its kind offered in sub-Saharan Africa

The **MSc Applied Mineralogy** qualification is only offered at UP in South Africa

BSc Culinary Science - the only degree of its kind in Africa



GRADUATE SUCCESS

1 385 graduates in 2019:

- **115 PhDs** – comprised 29% of UP's PhDs
- **201 master's** degrees
- **327 honours** degrees
- **742 undergraduate** degrees



WORLD FIRST AND FIRST IN AFRICA

NAS researchers were part of the international team that provided the **first images of a black hole in 2019**

A lioness gave birth to two cubs conceived via non-surgical artificial insemination, the first in the world, thanks to a team of researchers from the NAS Mammal Research Institute and the Faculty of Veterinary Science in 2018

Current Chairperson of the Next Einstein Forum's (NEF) Community of Scientists programme



RESEARCH FOCUS AREAS

Food and Agricultural Sciences

Precision Agriculture, Food and Water Security, Biotechnology

Indigenous Knowledge Systems and Natural Products

Bioprospecting, Medicinal Plant Science

Infectious Diseases

Tuberculosis, HIV/ AIDS, Malaria, Rabies

Big Data And Datascience

Bioinformatics and Computational Biology
Mathematical Models and Methods in Bioengineering and Biosciences

Environmental Sciences

Natural Hazards Modelling



WORLD RENOWNED RESEARCH CENTRES

Centre for Microbial Ecology and Genomics (CMEG)

Forestry and Agricultural Biotechnology Institute (FABI)

Mammal Research Institute (MRI)