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
- 301-350 Biological Sciences
- 301-350 Environmental Sciences
- 401-450 Mathematics
- 451-500 Chemistry

RESEARCH CHAIRS

- 8 South African Research Chairs Initiative (SARChI) chairs
- 12 Industry Chairs

CENTRE FOR SCIENCE AND TECHNOLOGY STUDIES (CWTS) LEIDEN UNIVERSITY

- 1 in mathematics and computer science in South Africa

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

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

<table>
<thead>
<tr>
<th>Undergraduate</th>
<th>Postgraduate</th>
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<tbody>
<tr>
<td>35 programmes</td>
<td>142 programmes (31 honours, 66 master's and 45 PhD)</td>
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</tbody>
</table>

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)