

# POSTGRADUATE STUDIES

AT THE UNIVERSITY OF PRETORIA

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#ChooseUP



UNIVERSITEIT VAN PRETORIA  
UNIVERSITY OF PRETORIA  
YUNIBESITHI YA PRETORIA

Make today matter

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# MESSAGE FROM THE VICE-CHANCELLOR



## Dear prospective postgraduate and international students\*,

As the Vice-Chancellor and Pincipal of the University of Pretoria, I am pleased to invite you to consider joining our esteemed academic community for the 2026 academic year. This vibrant institution is committed to excellence in education, research, and community engagement.

At the University of Pretoria, we are dedicated to realising a set of strategic goals that underpin our mission and vision:

- Enhancing access and successful student learning: We strive to ensure that all students, regardless of background, have access to quality education and support systems that facilitate their academic success.
- Strengthening research and international profile: Our commitment to ground-breaking research and global engagement places us at the forefront of innovation, advancing knowledge and improving society.
- Fostering a transformed, inclusive, and equitable community: We are deeply committed to creating an environment that celebrates diversity, promotes inclusivity, and fosters equity among our students, faculty, and staff.
- Optimising resources and enhancing institutional sustainability: We are dedicated to prudent resource management and sustainable practices to ensure our institution's long-term viability and resilience.
- Strengthening social responsiveness and impact in society: Through our research, teaching, and community partnerships, we aim to address pressing societal challenges and make a meaningful difference in the lives of individuals and communities.

Postgraduate education holds immense significance, not only for South Africa but also for Africa and the world at large. Individuals with postgraduate degrees possess advanced skills and knowledge that contribute to their personal and professional growth, leading to better career prospects and higher earnings. Moreover, they are vital in driving innovation, fostering social equity, and addressing complex global issues.

At the University of Pretoria, we recognise the transformative power of education and the critical role that postgraduate studies play in shaping sustainable communities and driving positive change. Our postgraduate qualifications are designed to equip you with the skills, knowledge and experiences needed to excel in your chosen field and have a meaningful impact on society.

Why you should #ChooseUP for your postgraduate studies:

- Internationally recognised qualifications that are at the forefront of research and innovation
- A transdisciplinary approach to addressing real-world challenges, breaking down academic silos to create holistic solutions
- Comprehensive academic and support services tailored to meet the needs of postgraduate students
- State-of-the-art research infrastructure, including cutting-edge laboratories, libraries, and practical sites
- Strong international networks that provide opportunities for global exposure and collaboration
- A community of scholars dedicated to producing cutting-edge research that addresses Africa's most pressing concerns

As you embark on your postgraduate journey, I encourage you to consider the University of Pretoria as your academic home. Together, we can unlock your potential, nurture your talents, and empower you to make a meaningful difference in the world. We look forward to welcoming you to our campus and embarking on this exciting journey of discovery and growth together.

**Make today matter!**

**Professor Francis Petersen**

*Vice-Chancellor*

University of Pretoria

*\*International students – Applicants who are not South African citizens*

# INTRODUCTION TO UP



## VISION

To be a leading research-intensive university in Africa, recognised internationally for our quality, relevance, and impact, and also for developing people, creating knowledge, and making a difference locally and globally.



## MISSION

In pursuing recognition and excellence in its core functions of research, teaching, and learning and integrating engagement with society and communities into these, the University of Pretoria will use quality, relevance, diversity, and sustainability as its navigational markers.

## #CHOOSEUP

There are many good reasons for you to consider furthering your education. Here are some of the reasons why UP should be at the top of your list in doing this:

### 1908-2025

#### 117 Years of MAKING TODAY MATTER

The University of Pretoria has Africa at its heart and aspires to become an African global university, exerting influence through three major pathways: teaching, research, and service to society.

#### Vast academic offering

Offering the widest variety of research and study opportunities in South Africa, UP is the only SA university ranked in the 2023 World University Rankings for Innovation.

## 9 FACULTIES



Economic and Management Sciences



Law



Education



Natural and Agricultural Sciences



Engineering, Built Environment and Information Technology



Theology and Religion



Health Sciences



Veterinary Science

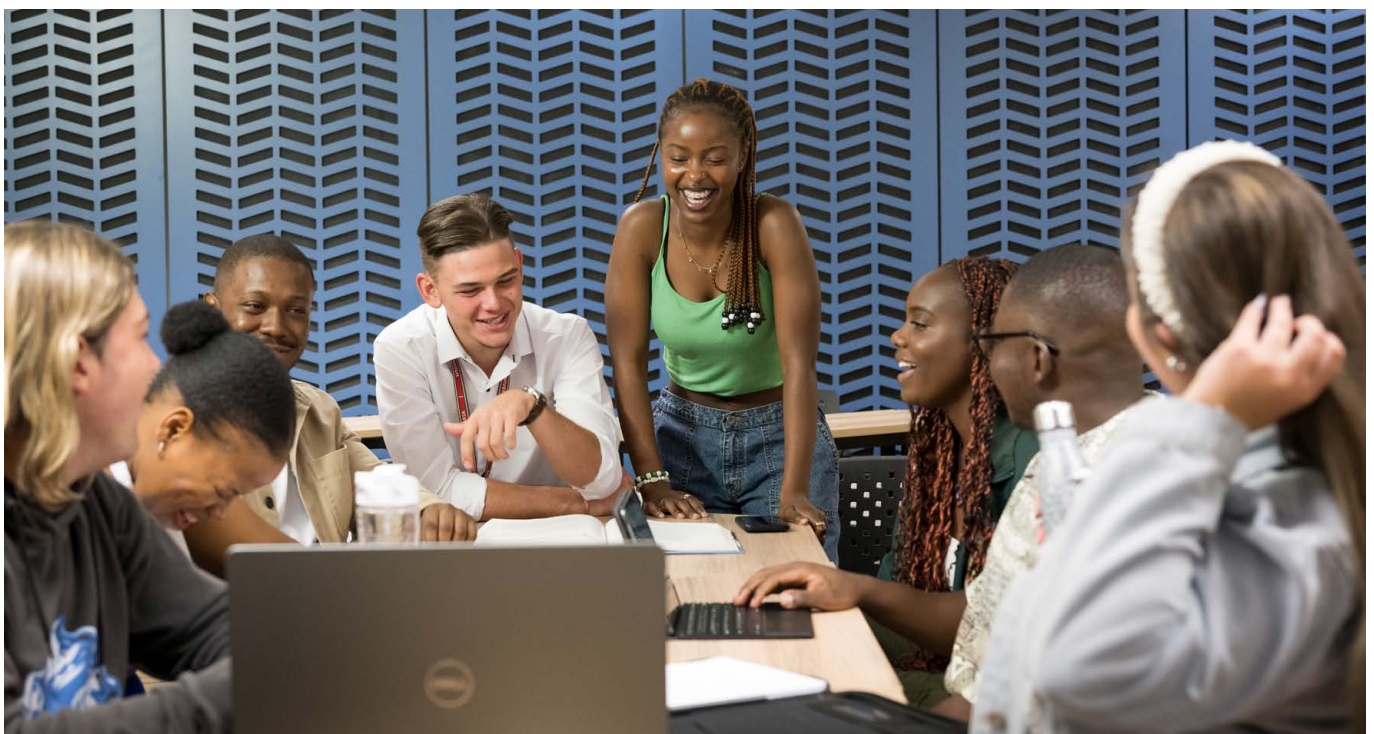


Humanities

## 1 BUSINESS SCHOOL



Gordon Institute of Business Science







## 43 RESEARCH CHAIRS

Five of our 43 research chairs focus on 4IR technologies and data integration to proactively solve current and future problems



## 82 RESEARCH INSTITUTES AND CENTRES

**New research entities added in 2023:**

- Centre for the Advancement of Sustainable Higher Education Futures
- Africa Centre for Tobacco Industry Monitoring and Policy
- Centre for Emerging and Reemerging Arbo and Respiratory Viruses
- Nuclear Medicine Research Institute
- Brain Tumor and Translational Neurosciences Centre
- Maarif Centre for Turkish Studies
- Centre for Environmental Justice in Africa
- African Centre for Biosecurity and Disease Risk Assessment

**Some of our research hubs solve some of the world's greatest challenges:**

- Forestry and Agricultural Biotechnology Institute
- UP Institute for Sustainable Malaria Control
- Future Africa
- Engineering 4.0
- Innovation Africa @UP
- Javett-UP Art Centre
- The Centre for the Future of Work



## 4 CENTRES OF EXCELLENCE

- African Centre of Excellence for Information Ethics
- ARUA Centre of Excellence in Sustainable Food Systems
- Centre of Excellence in Food Security
- DST/NRF Centre of Excellence in Tree Health Biotechnology

**Research focus areas:**

- Agriculture and sustainable food systems
- Climate change and environmental sustainability
- Data science and machine learning
- Economic development and sustainable futures
- Energy
- Food nutrition and well-being
- Genomics
- Heritage studies
- Inequalities, social justice and human rights
- One Health
- Smart cities and urban planning
- Water
- Zoonotic diseases

## TOP 1% OF UNIVERSITIES IN THE WORLD

(Source: Web of Science ESI)

Ranked in 14 of the 22 Essential Science Indicators (ESI) fields and the only university in SA to feature in Economics and Business:

- Agricultural Sciences
- Biology & Biochemistry
- Chemistry
- Clinical Medicine
- Economics & Business
- Engineering
- Environment/Ecology
- Geosciences
- Immunology
- Microbiology
- Molecular Biology and Genetics
- Social Sciences
- Pharmacology and Toxicology
- Plant and Animal Science

## 2<sup>nd</sup> IN AFRICA

(Source: 2024 THE Impact Rankings)

Ranked as one of the top two universities in Africa

## 1<sup>st</sup> IN SOUTH AFRICA FOR:

(Source: 2024 THE Subject Rankings 2024 QS World University Rankings by Subject)

- Accounting and Finance
- Economics and Econometrics
- Electrical and Electronic Engineering
- Law
- Mathematics
- Mechanical Engineering
- Veterinary Science

## A TOP-TIER TRADITIONAL UNIVERSITY

- With the most academic staff to have a PhD (73%)
- With the most NRF-rated researchers (593)
- With the largest number of students enrolled (55 864)

## AFRICA'S FIRST NUCLEAR MEDICINE FACILITY

(Unless indicated to the contrary, all statistics are provided by the University of Pretoria's Department of Institutional Planning and are valid as of August 2024)

## FIRST—OR ONLY—FACILITIES IN SOUTH AFRICA

- First university to have a Makerspace (a creative laboratory where students create prototypes and test ideas)
- Only Brain Tumour and Translational Neuroscience Centre
- Only Faculty of Veterinary Science
- First Diabetes Research Centre at a public academic institution



## MAKING AN IMPACT WITH A DEEP GLOBAL FOOTPRINT



### Top business training

#### Faculty of Economic and Management Sciences

It is the first faculty of its kind in South Africa and Africa to be accredited by the Association to Advance Collegiate Schools of Business.

#### Gordon Institute of Business Science (GIBS)

Ranked by the UK's Financial Times as one of the leading business schools in the world (#32).

### Unique features

As a leading research-intensive university in Africa, we are often the first or only South African institution to be invited to collaborate on or spearhead projects.



### Global impact

## 8<sup>th</sup> IN THE WORLD

#### Ranking for SDG 1: No poverty and SDG 8: Decent work and economic growth

UP is rated a global leader in its research on poverty issues, support for poor students, and how well it promotes employment opportunities and drives economic growth.<sup>1</sup>

## 42<sup>nd</sup> IN THE WORLD FOR IMPACT

#### Ranking based on achieving the 17 SDGs

UP's high ranking, based on the 17 United Nations Sustainable Development Goals, shows its commitment to creating a sustainable and equitable future for all through its research, teaching and practices.<sup>2</sup>

## 65<sup>th</sup> IN THE WORLD FOR LAW

#### Ranked among the top 100 in the world

UP's Law programme once again achieved the highest ranking in Africa. This recognition further attests to the standing of UP's Faculty of Law globally.<sup>3</sup>

## 23<sup>rd</sup> IN THE WORLD

#### Ranking for UP's knowledge exchange

This ranks our efforts to partner in research, share knowledge, and spur educational growth.<sup>4</sup>

## 26<sup>th</sup> IN THE WORLD

#### Ranking for UP's international research networks

UP's global engagement and ability to create and sustain research partnerships across borders are highly rated.<sup>5</sup>



### PATENTLY INNOVATIVE RESULTS

Intellectual property activity, 2019–2023:<sup>6</sup>

71

new invention  
disclosures

25

South African  
patents granted

48

international  
patents granted

### A LEADER IN AFRICA

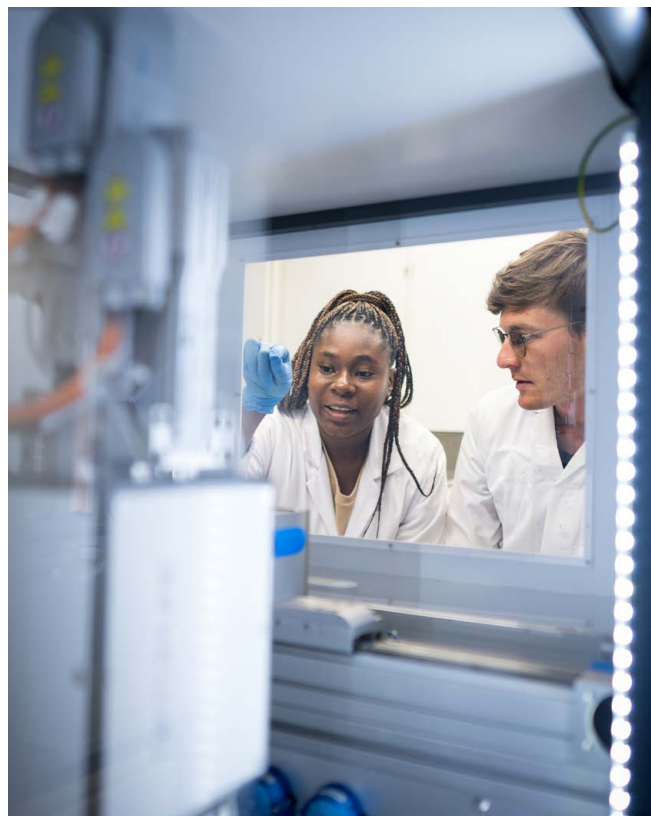
- World's leading laboratory in DNA typing of rhinoceros
- Africa's leading laboratory in malaria control
- The leading Centre for Viral Zoonoses in Africa
- The only Centre for Asian Studies in Africa



### FIRST FOR AFRICA

UP is co-hosting the Future Earth Africa Hub Leadership Centre (2023–2026). This is the first hub for the continent and one of only a few in the world under Future Earth, a global initiative focused on advancing sustainability science.

We collaborate with over 3000 institutions globally and have 230 institution-wide international partnerships across 70 countries and six continents.



Source:

1. 2024 Times Higher Education (THE) Impact Rankings 2. 2024 THE Impact Rankings 3. 2024 THE Subject Rankings 4. 2024 Quacquarelli Symonds (QS) Sustainability Rankings 5. 2024 QS World University Rankings 6. Department of Research and Innovation



# POSTGRADUATE PROGRAMMES OFFERED

We have extensive postgraduate study options available, including vocation-oriented postgraduate diplomas and honours, master's, and PhD degrees. Please look at the summaries of the faculties mentioned in the booklet.

## PHD (A DOCTORATE) – MOST ADVANCED RESEARCH DEGREE

**Entry requirement:** A master's degree

**Duration:** Three to four years of full-time study

**The requirement to be awarded your doctorate:**

Acceptance of a doctoral thesis, an original piece of work that contributes substantially to knowledge in the chosen field

### IMPORTANT

Admission requirements vary per faculty/ department; as such, meeting the minimum requirements does not guarantee admission. Consult the relevant faculty for more clarity.



## HONOURS DEGREE – YOUR GATEWAY TO POSTGRADUATE STUDIES

**Entry requirement:** A bachelor's degree

**Duration:** One year of full-time study

## MASTER'S – ADVANCED RESEARCH-BASED DEGREE

**Entry requirement:** A relevant honours degree or postgraduate diploma. A relevant bachelor's degree at NQF Level 8 may also be recognised.

**Duration:** Two to three years of full-time study

Requirements to be awarded your degree:

- A master's degree by dissertation – Acceptance of a dissertation or other form of research, such as a technical report, one or more creative performances or works, or a series of peer-reviewed articles or other research-equivalent outputs
- A master's degree by coursework and mini-dissertation – A research project comprising a minimum of 60 credits at NQF Level 9, culminating in the acceptance of a mini-dissertation or other forms of research (mentioned above)

## POSTGRADUATE DIPLOMA – ADVANCED DEVELOPMENT

**Entry requirement:** A bachelor's degree (not necessarily in the same discipline)

**Duration:** One year of full-time study



# HOW TO APPLY FOR POSTGRADUATE STUDIES

While various departments and faculties may have specific requirements, the following is a general guide to applying to UP for postgraduate studies.



## CHECKLIST

- ✓ Make sure that you have the required qualifications.
- ✓ If you hold a qualification from a university from outside of South Africa, you need to have a Certificate of Evaluation issued by the South African Qualifications Authority (SAQA) to be considered for your Postgraduate qualification with UP.
- ✓ Applying for a SAQA Certificate of Evaluation is a lengthy process, which can take months to complete. It is highly recommended that you begin this process as soon as possible.
- ✓ Foreign Qualification holders may complete and submit their online application while still awaiting SAQA to issue a certificate of evaluation.
- ✓ In the interim, Foreign Qualification holders may be considered for conditional admission via the Foreign Qualification Review (FQR) function. FQR assists with the interim comparability of foreign qualification, while an applicant is awaiting SAQA to issue a certificate of evaluation.
- ✓ In the event that a foreign qualification holder is admitted and registered using FQR, the SAQA certificate of evaluation must be submitted within the first academic year of registration.
- ✓ Should a SAQA certificate of evaluation not be submitted during the first academic year of registration, such students may not register for their second academic year. Such students may also not be able to graduate.

**In order for international students to fit into both the academic and social environment, they need to be conversant in English.**

For international applicants whose previous qualification was conducted and completed in a language other than English; completed English Proficiency test results may be required.

English Proficiency tests that are acceptable are; TOEFL or IELTS or Pearson Test of English (PTE Academic) or Oxford Test of English.

You may complete your UP online application without the English Proficiency test; your faculty will communicate with you should the English Proficiency test results be required.

- ✓ Read up about your chosen department on the UP website.
- ✓ Email queries to the administrator of your chosen department.
- ✓ Identify—and secure—a supervisor before applying. Please check with the faculty to see whether this is a requirement.
- ✓ Have your official, complete academic transcript of your latest qualification ready for your application to be considered.
- ✓ Ensure you have all the necessary information about your proposed study programme.
- ✓ Decide whether you need funding and inquire about what is available to you (you will find more information on page 12).

## UP APPLICATION PROCESS FOR POSTGRADUATE STUDIES

Watch

If you need help with the online application, contact the Student Service Centre via email at [ssc@up.ac.za](mailto:ssc@up.ac.za).



# INTERNATIONAL MATTERS

**Students who graduated from universities outside of South Africa and wish to apply for admission to postgraduate studies at the University of Pretoria should have their qualifications evaluated by the South African Qualifications Authority (SAQA). SAQA accepts only online applications for the evaluation of foreign qualifications.**

## Contact information

**Call centre** +27 (0)12 431 5000/70  
**Helpdesk** +27 (0)86 010 3188  
**Website** [www.saqa.org.za](http://www.saqa.org.za)

## IMMIGRATION CLEARANCE

Applicants from countries other than South Africa\* receive comprehensive support while still in their countries of origin. The International Cooperation Division (ICD) in the Department of Research and Innovation provides guidance and advice on matters relating to immigration visa applications. The ICD also helps international students secure UP accommodation or UP-accredited accommodation and advises international students on obtaining South African medical aid.

Before registration, international students are required to submit proof of legal status in South Africa and proof of adequate medical aid cover to the International Cooperation Office at the Graduate Centre.

## Contact information

**Tel** +27 (0)12 420 3111  
**Email** [isd@up.ac.za](mailto:isd@up.ac.za)  
**Website** [www.up.ac.za/international-cooperation-division](http://www.up.ac.za/international-cooperation-division)  
**Address** Graduate Centre, Hatfield Campus

## SUPPORTING DOCUMENTS

Upload these supporting documents to the UP Student Portal:

- A copy of a valid passport (data page) or identity document (in the case of students with permanent residence in South Africa) and a PR certificate
- A valid study visa endorsed for studies at the University of Pretoria or one of the following:
  - An asylum transit visa
  - A Section 24 permit (refugee)
  - A diplomatic visa (diplomatic cards are not acceptable)
  - A work visa for part-time postgraduate students and a timetable/block schedule or confirmation letter from your supervisor
  - A relative's or visitor's visa, if endorsed for studies at UP
  - Permanent residents are still classified as international students. They must submit a photocopy of their proof of permanent residence in South Africa before registration.

**Note:** Permanent residents of countries other than South Africa, including permanent residents of SADC countries, will be captured on UP systems as citizens of their original countries, and tuition fees will be levied accordingly.

## VISA APPLICATIONS

Study visas must be applied for at a South African embassy, mission, or consulate in your country of origin. The institutions mentioned above will also guide the study of visa requirements and application procedures. If you are currently in South Africa, obtain information on visa applications at:

**Tel** +27 (0)12 425 3000  
**Email** [info.dhsa@vfshelpline.com](mailto:info.dhsa@vfshelpline.com)  
**Website** [www.vsfglobal.com](http://www.vsfglobal.com)

Students entering South Africa for up to 90 days and students from countries exempt from South African visas who plan to spend 30–90 days or less in South Africa are NOT required to apply for study visas. In such cases, they will be issued temporary residence permits (TRPs) or stamps on arrival at the port of entry. For a list of visa-exempt countries according to the intended duration of your stay (30–90 days), please access the following website: [www.dha.gov.za/index.php/immigration-services/types-of-visas](http://www.dha.gov.za/index.php/immigration-services/types-of-visas).

Students not from visa-exempt countries and who will be in South Africa for 90 days or less must apply for a visitor's visa in their home countries at the South African Embassy.

## Holders of temporary residence visas

Holders of valid temporary residence visas issued for the categories mentioned below will be allowed to register for and undertake part-time studies with institutions of higher learning, as defined by the immigration regulations of the Immigration Act No 13 of 2002, during the validity period of their visas:

- General work visa
- Critical skills work visa
- Intra-company transfer work visa
- Business visa

This provision allows for part-time study only. The duration of the qualification must not exceed the period of validity of the primary visa.

## Working on a study visa

Holders of study visas may work part-time for a maximum of 20 hours per week.

## COMPULSORY MEDICAL AID COVER

International students who are holders of study visas or wish to apply for study visas in terms of South Africa's Immigration Act must have sufficient South African medical aid to cover their stay in South Africa.

International students who intend to study at the University of Pretoria may join one of the approved medical aid schemes listed at [www.medicalschemes.co.za/regulated-entities/medical-schemes-in-south-africa](http://www.medicalschemes.co.za/regulated-entities/medical-schemes-in-south-africa).

\* International students – Applicants who are not South African citizens

# FINANCING YOUR STUDIES

[CLICK HERE FOR MORE INFORMATION](#) ➤

To build a knowledge economy through higher education, UP offers various types of bursaries to academically deserving students in financial need. Two broad categories of bursaries—UP-funded and externally-funded—are offered to honours, master's, and doctoral students.

Since different funding organisations have different eligibility criteria and bursary conditions, you should ensure you are familiar with the requirements. Some bursaries are for South African nationals only, while others are available to South African and non-South African students.

The Postgraduate Support Office (PGSO) helps current and prospective students access funding for postgraduate studies and research by announcing calls for funding through the University website, social media platforms, faculties, and information sessions. Calls for applications open at different times during the course of the year.

## IMPORTANT



Only students registering for full-time honours, master's, and doctoral degrees can apply for funding. Students who register for postgraduate diplomas and certificates or the fourth year of any bachelor's degree are not eligible for postgraduate awards.

# SAFETY AND SECURITY

[CLICK HERE FOR MORE INFORMATION](#) ➤

Our campuses are conveniently located along major public transport hubs. Besides the Gautrain and Gautrain buses, municipal or private buses, and taxis or hired cabs, the University also provides:

- Buses that shuttle our students between classes to different campuses and residences
- A park-and-ride facility from our Hillcrest Campus to alleviate on-campus parking pressure

- Students living in official residences are within walking distance from most campuses but may use the service to travel between campuses when necessary

The Gautrain, an express commuter rail system in Gauteng, links Johannesburg, Pretoria, Ekurhuleni, and OR Tambo International Airport. Its Hatfield and Pretoria stations are near the University of Pretoria's Hatfield and Prinshof Campuses, respectively, with bus routes near them. The Hatfield station is within walking distance from the Hatfield Campus.

The Green Route Project is one of the University's numerous proactive initiatives to provide and maintain a secure work and study environment for students and staff. Provision is made for security officers to accompany students and personnel members on foot to and from their residences and vehicles or any nearby places. More information on 24-hour services offered by the Department of Security Services can be found online.

# POSTGRADUATE STUDENTS WITH DISABILITIES OR SPECIAL NEEDS

[CLICK HERE FOR MORE INFORMATION](#) ➤

If you have a disability that requires a specific living environment, please indicate this when applying for accommodation. The UP Disability Unit and the Department of Residence Affairs and Accommodation will work together to find something that suits you.





# ACCOMMODATION FOR POSTGRADUATE STUDENTS

[CLICK HERE FOR MORE INFORMATION](#) ➔

Discover the ideal postgraduate living experience at our exceptional residences, designed with your comfort and convenience in mind. [Jakaranda Residence](#), located just minutes from the University's Prospect Street entrance, offers a vibrant community atmosphere for 143 students. Enjoy the privacy of bachelor units, complete with kitchen and bathroom facilities, or opt for single-sharing units, where each student enjoys their own bedroom while sharing communal spaces. For those seeking a more intimate environment, [Protea Mbalenhle](#) boasts a capacity of 65 beds and is particularly popular among senior postgraduate students. Its strategic location near the University's Lunnon Road entrance ensures easy access to academic resources. It fosters a supportive community and features bachelor rooms for 22 students and single-sharing units for 43 students.

[Tuksdorp Residence](#) offers a welcoming atmosphere that encourages collaboration and growth among postgraduate peers, providing an ideal setting for academic excellence.

Meanwhile, [House Xayata](#) stands out with its unique history and culture, symbolising unity with its motto, "Together we shall". Founded in 2009, Xayata brings together students from diverse backgrounds, fostering a strong sense of community. Finally, [Hippokrates Residence](#) is perfect for health sciences students as it is conveniently located near the Prinshof medical campus. It houses over 160 students, creating a harmonious living environment where academic excellence thrives. Embrace the opportunity to thrive in a nurturing environment—your journey starts here!

## Contact information

**Email** [tuksres.postgrad@up.ac.za](mailto:tuksres.postgrad@up.ac.za)

## PRIVATE ACCOMMODATION

### Website

[www.up.ac.za/student-accommodation/article/256266/private](http://www.up.ac.za/student-accommodation/article/256266/private)



# LIBRARY SERVICES

## A WORLD OF KNOWLEDGE

The Department of Library Services has 11 faculty libraries across all UP campuses. In total, these libraries have a collection of over 700 000 printed books, 400 000 licenced online books, and 182 600 subscription-based journal titles. Scopus, Web of Science, ScienceDirect, EBSCOhost, and ProQuest are just a few of the 76 databases (among the largest in the world) to which the library currently subscribes.



### SERVICES

Each department at the University has a dedicated [information specialist](#) (trained librarian) who supports the department's research endeavours by providing information resources.

These information specialists form the link between the library and the researchers. Their services include the following aspects related to the research cycle:

- Assisting with literature searches
- Sourcing relevant information
- Referencing
- Information literacy training
- Research data management
- Bibliometric analysis for funding and NRF applications
- Identifying appropriate accredited journals in which to publish
- Providing information on predatory journals
- Research visibility (e.g. ORCID, Google Scholar profile)
- Anti-plagiarism and copyright clearance

[Information specialists](#) can be reached via email or [online appointments](#). The library hosts [subject guides](#) for each department and guides on [copyright](#), [EndNote](#), [ORCID](#), [predatory publications](#), [research](#), and [researcher profiles and identifiers](#). The library also provides Open Educational Resources (OERs) for each faculty.

### Other library services include:

- [Interlending services](#) for resources that are not available at the University of Pretoria
- [Digitisation services](#) of on-demand paper documents, photographs, maps, slides and negatives, and 3D objects available at the University of Pretoria
- A [MakerSpace](#), which serves as a creative laboratory with 3D printers, 3D scanning, electronics, and 3D design software accessible to all University of Pretoria staff and students
- An [institutional repository](#) for archiving theses, dissertations, research articles, and datasets for publication
- A [research data repository](#) (Figshare), an international cloud-based research data repository that facilitates data publishing, sharing, and collaboration on academic research
- Postgraduate and researcher library spaces. The University has [research commons](#) in the Merensky 2 Library on the Hatfield Campus, the Groenkloof Library, the Jotello F Soga Library at Onderstepoort and the Prinshof and Future Africa Campuses. These are dedicated spaces where researchers can work on their research articles, theses, and dissertations, free from noise and distraction, on computers updated with statistical analysis tools such as SPSS, ATLAS.ti, and SAS.

### TRAINING

Currently, basic [library training](#) and [postgraduate and researcher training](#) are available online, but you should also enquire about [physical workshops](#) to attend.

The library also created ClickUP courses, including basic and advanced postgraduate training. These courses are self-paced and can be included in lecturer ClickUP pages.

### UP HAS:



11 faculty libraries;



700 000 printed books;



400 000 licenced online books;



182 600 subscription-based journal titles; and



76 databases (among the largest in the world).



### IMPORTANT

Having all this information at your fingertips comes with the responsibility to use it in a principled manner. UP has policies around ethical clearance and plagiarism, and you need to familiarise yourself with them.





# INNOVATION PLATFORMS

## THIS IS HOW WE ARE SHAPING THE FUTURE THROUGH KNOWLEDGE

As ideas and technologies evolve rapidly, Africa needs a new generation of original thinkers with international perspectives yet a vision and voice rooted here—in the continent's leading economy.

We are producing this new knowledge through transdisciplinary approaches and exciting new platforms—spaces that enable collaboration and partnerships between academia, businesses, government, policymakers, and civil society to co-create new knowledge that translates into solutions.

These collaborative spaces enable joint research, staff and student mobility, and the training of a new generation of researchers who can network, raise funds, and communicate knowledge to diverse stakeholders to ensure that Africa achieves sustainable and inclusive development.

**Wouldn't you like to be part of this future?**

*Our approach is that all our innovations should be about transforming lives and communities. Our main driver lies in the fusion of knowledge for economic advancement and social justice, which is equally important.*



## A SUSTAINABLE FUTURE AT THE FUTURE AFRICA INSTITUTE

This purpose-built transdisciplinary research institute and green campus is dedicated to creating knowledge that addresses the importance of sustainable futures for Africa in a world marked by rapid political, economic, cultural, social, and technological changes.

These changes include the Fourth Industrial Revolution, which is transforming how institutions, the economy, the world of work, and society function. At Future Africa, African scientists and scholars collaborate with key societal stakeholders and their global collaborators to co-create knowledge that addresses the continent's many grand challenges.

### Focus areas:

- Connected Africa
- From African soil
- Transforming the world
- Health, people and place
- Equity and global Africa



## FUTURE EDUCATION: SMART FUTURE ENGINEERING 4.0 RESEARCH HUB

UP's Engineering 4.0 complex is a purpose-built transdisciplinary facility focused on research, teaching, training, and testing for transport and mobility in all their forms. Working collaboratively and in partnership with government agencies and players in the private sector, Engineering 4.0 leverages the opportunities that come with artificial intelligence, big data and data science, and cloud computing.

### Focus areas:

- Smart cities
- Smart transport
- Smart agriculture



## A CREATIVE FUTURE WITH THE JAVETT-UP ART CENTRE

Arts and creativity drive discovery and challenge us to envisage a better world. The Javett-UP Art Centre is a platform and space to explore what makes us human and what inspires us to think, feel, act, dream, innovate, and advance. This centre focuses on the importance of Africa and its art in the world to promote a global understanding of the many cultures and people of the continent. Supporting UP's academic qualifications and encouraging the development of creative, flexible, adaptable minds with the emotional and intellectual intelligence to thrive, the Javett-UP Art Centre is integral to promoting sought-after Fourth Industrial Revolution subjects, which the University refers to as STEAM (Science, Technology, Engineering, Arts, and Mathematics).

### Focus areas:

A unique (and first in Africa) transdisciplinary master's degree in Tangible Heritage Conservation, taught by academics from the humanities and sciences, focuses on restoring artworks and preserving heritage.

## A SECURE FUTURE WITH THE INNOVATION AFRICA @UP INITIATIVE

Focusing on agriculture, the Innovation Africa @UP initiative pursues collaborations and partnerships with local and global scholars in the broad fields of agriculture and food security. It seeks partnerships with government agencies, including the Agricultural Research Council, the agricultural sector, and related industries. The aim is to co-create knowledge, innovative technologies, practices, and solutions that are climate resilient, environmentally friendly, and easy to implement, as well as to promote sustainability and precision agriculture.

### Focus areas:

Agriculture-related activities support world-class capacity development and research qualifications in food security, smart agriculture, nutrition, plant health, and biosecurity.





# POTENTIAL OPPORTUNITIES BEYOND POSTGRADUATE STUDIES AT UP

Students finalising their postgraduate studies should start preparing for life after university. This is important as some application processes may span from one year to the next.

Opportunities beyond postgraduate studies vary depending on your field of study and interests, and a PhD qualification is critical if you are interested in pursuing an academic career. If you have completed a PhD, a postdoctoral fellowship is a good stepping stone for a career in the academic field. Potential opportunities also exist in the private and public sectors. If possible, it is essential

to use your entrepreneurial skills to create employment for yourself and others.

**Information on UP postdoctoral studies can be found at:**  
[www.up.ac.za/postdoctoral-research](http://www.up.ac.za/postdoctoral-research)





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