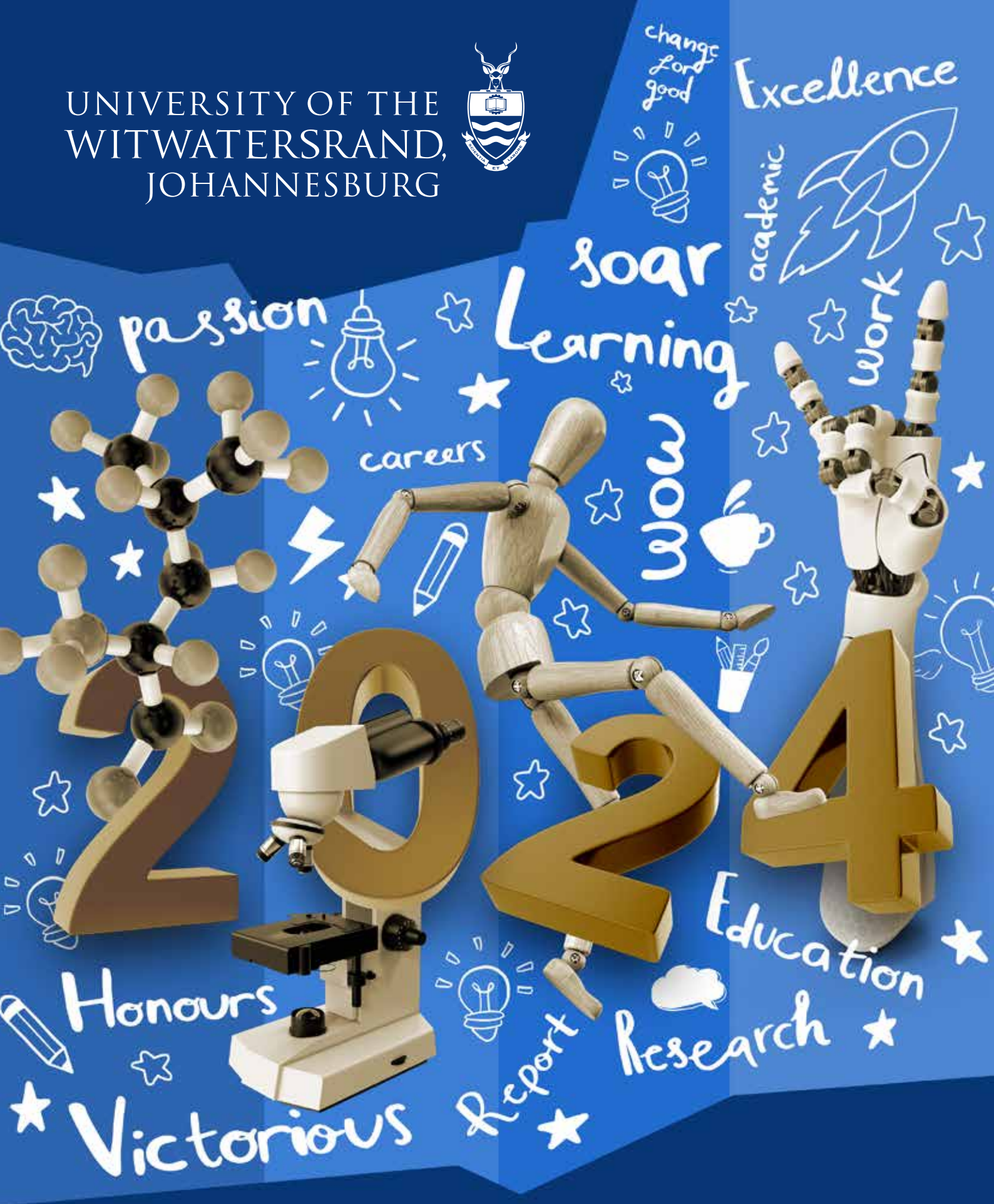
UNIVERSITY OF THE
WITWATERSRAND,
JOHANNESBURG



GUIDE FOR **UNDERGRADUATE** APPLICANTS **2024**

Visible Resonance Light Show @The Great Hall. Homecoming 2022.

Welcome

Congratulations on choosing Wits! As a bona fide student of the University of the Witwatersrand, you would be embarking on a special journey of discovery at a special time in our history. For just over 100 years, Wits University has been producing innovators, job creators and thought-leaders across all fields of society, from engineering to law, climate change, finance, palaeontology, astrophysics, medicine and more.

At Wits University, you will be exposed to academic know-how, thought-leadership and frontline research in the latest technologies and methodologies that will lead Africa to a meaningful contribution to its own future. With top rated lecturers and professors, Wits combines the academic with the social imperative, enabling exposure to experiences and equipping you with the tools you need to thrive in your career as responsible global citizens.

With no less than four Nobel prize winners during its 100 year history, we pride ourselves on being integral to the fabric of this great city that is Johannesburg.

Thank you for choosing Wits as the next step in your academic and professional development. As a part of the 2024 student cohort, you will hold a place in Wits' history as you take it into its next century. I hope that you will enjoy being a part of our vibrant community and I wish you the best on your academic journey with us.

Professor Zeblon Vilakazi
Vice-Chancellor and Principal

WITSIE HOMECOMING
CENTENARY CELEBRATION

WITS HOMECOMING. SEPTEMBER 2022

CONTENTS

A World-Class University

Wits is a leading African university that is ranked in the top **1%** of universities in the world. In 2022, Wits celebrated 100 years of academic and research excellence, social justice and the advancement of the public good. Our history is inextricably linked to that of mining, the City, and civic and political activism.

Top **10** in Canada and Australia

Top **65** in the EU and US

Top **30** in the UK

Located in the Economic Hub of Africa

- **400** buildings, **7** campuses, including the Wits Rural Facility
- **11** Libraries, **18** Residences, **2** commercial companies – Wits Health Consortium and Wits Enterprise
- Wits owns the Sterkfontein Caves in the Cradle of Humankind World Heritage Site and a private teaching hospital – the Wits Donald Gordon Medical Centre

The Home of Talented Scholars

42 175 students

- **57%** female
- Almost **50%** are first in their family to attend a university
- **5** Faculties, **33** Schools, over **3 000** courses
- **1 665** academics, **6 582** employees, **2 213** joint staff
- Postgraduate students now make up almost **40%** of Wits students

Developing Employable Graduates

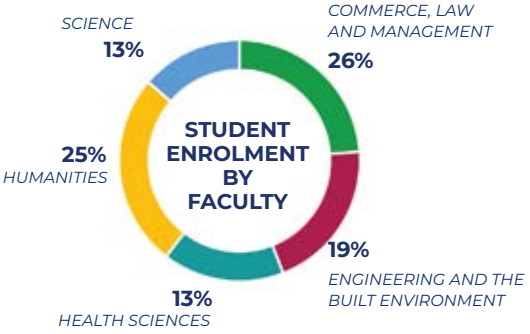
About **10 000** highly employable students graduate annually

↓

Of those employed, **93% find jobs within 6 months of graduating**

+200 000 **graduates in 100 years**

Ranked 98th in the world for Alumni Employability (CWUR)



Wits administers R1 billion in student financial aid, scholarships and bursaries annually. There are numerous services available for students.

WITS RESEARCH AND *Digital Transformation*

Wits University continues to generate high-quality, locally-relevant knowledge that matches and exceeds global standards in research fields like Covid-19, HIV, genetics, quantum computing, energy, migration, diversity and inequality. Wits has long been recognised as a global leader in HIV research and has contributed a vast amount of knowledge in the fight against the Covid-19 pandemic, amongst other research highlights.

COVID-19 VACCINE TRIALS

Wits scientists, researchers and clinicians are at the forefront of fighting COVID-19 in SA. Wits led SA and Africa's first Covid-19 vaccine trials - the Oxford/ AstraZeneca Covid-19 vaccine trial and the Novavax Covid-19 vaccine trial.

NEW INJECTION TO PREVENT HIV

An HIV study showed that a newly discovered injection was more effective than the current daily HIV pill to prevent HIV in women. Wits University's Early unblinding of the long-acting cabotegravir (CAB LA) is a milestone for prevention of HIV among women in sub Saharan Africa.

REPURPOSING DRUGS TO TREAT DANGEROUS DISEASES

Drug repurposing (or repositioning) is a cost-efficient approach that eliminates the lengthy timeframes of conventional drug development, thus giving patients treatment sooner. New uses are identified for a drug outside of its original scope of indication, resulting in more effective treatment. The head of the Wits Advanced Drug Delivery Platform (WADDP) research unit notes how drug repurposing may reduce the risks associated with the process of conventional drug discovery and development, as existing knowledge on candidate drugs can be further developed more quickly and enhanced.

MOST INFLUENTIAL RESEARCH ON FRACTAL LIGHT

The Optical Society of America named Wits' research involving fractal light from lasers as the most influential in optics and photonics. Climate scientists are developing the first Earth System Model based in Africa which will contribute to the fight against the climate emergency.

MAJOR AFRICAN GENOME STUDY

Wits geneticists have discovered more than three million new genetic and susceptibility variants which informs African population history, environmental adaptation and susceptibility to disease.

PECO GRID

PeCo grids aim to address the challenge of access to electricity by providing smart solar solutions for household electrification. The PeCo grid is an innovative, robust, affordable and easy-to-use off-grid electrification solution that can seamlessly expand as the user's needs grow, thus giving users the freedom to choose their own energy solution. It is an innovative alternative to utility grid electrification, which can reach the unreachable, such as the sparse populations of indigent households in the rural regions of Sub-Saharan Africa.

DRIVING DIGITAL TRANSFORMATION

Wits is a leader in digital business and governance, big data, artificial intelligence, robotics, supercomputing, and quantum computing. WitsQ - the Wits Quantum Initiative, an African first, seeks to advance quantum technologies through research, innovation, business, education, outreach and ethics. www.wits.ac.za/innovate

THE WITS DIGITAL DOME

This is an iconic centenary project that will support data science exploration and discovery in radio astronomy, fluid dynamics, the digital arts, and lightning studies – to be held in the current Planetarium space. The Planetarium will be modernised to a full-dome, real-time, interactive digital system that provides the opportunity to broaden this role to well beyond astronomy. The Wits Digital Dome will serve as a new hub for researchers and postgraduate training across many disciplines, from the sciences through to the arts and the many connections in between, to inspire a new generation of scientists and explorers.

WITS SCIENTISTS HAVE DISCOVERED:

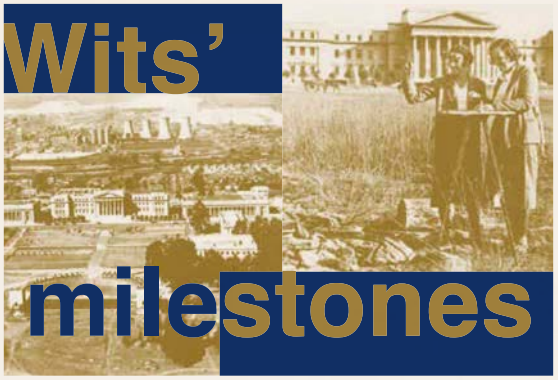
- a new species of dinosaur
- the dung beetle wind compass
- an asteroid that contributed to mass extinction and climate change
- an ancient drop of water that rewrites the Earth's history.

WITS STUDENTS HAVE DEVELOPED:

- a new genetic mobile application
- an off-grid solution to electrify households in Africa (PeCo Grid) and,
- self-sanitising surfaces to prevent infections in hospitals.

Wits Professors developed technology using molecular diagnostics that ensures the efficacy of the equipment that tests for tuberculosis. The technology increases access to TB testing, which improves the diagnosis and treatment of TB around the world, and ultimately inhibits further infection. They also developed the SmartSpot technology which guarantees the quality of the molecular diagnostic tests, and which is used in more than 30 countries worldwide.

Wits' milestones



1922

The University is formally inaugurated on 4 October at a ceremony at the Johannesburg Town Hall. Full University status is granted and the University of the Witwatersrand is established with about 1 000 students.

Wits University Press is established.

1931

Central Block is gutted by fire and the library destroyed.

1934

The University's Council decides to begin admitting black students to Wits.

A new Library, now the William Cullen Library, is officially opened by Prince George, Duke of Kent.

1935

Dr Benedict Vilakazi arrives at Wits, completes his honours and master's degrees by 1938 and doctorate in 1946. He is celebrated as the first black academic to be employed in a teaching capacity at a university in South Africa. He co-produced the first English-Zulu dictionary still in use today.

1939

The first radar set in South Africa was tested from the top of the Central Block building by Professors Basil Schonland and Guerino Bozzoli on 16 December.

1943

First major Wits student protest against increased fees takes place.

1946

Dr Donald Moikangoa and Dr James Njongwe (below) are the first black men to graduate from Medical School.

1947

Robert Broom and John Robinson discover "Mrs Ples" at Sterkfontein Caves.

Dr Mary Xakana, née Malahlele, becomes the first black woman to graduate from Wits Medical School.

1957

Two thousand academic staff, students and members of Convocation march from the University to the City Hall to protest the Separate Universities Bill.

1959

The opening night of the African jazz opera *King Kong* is staged in the Great Hall on 2 February, starring Miriam Makeba and Hugh Masekela on trumpet.

1960

On 12 October the first full-sized planetarium in Africa, and the second in the southern hemisphere, opens its doors on Wits' campus to the public.

1962

Wits becomes the first campus in South Africa to own a computer.

1966

United States Senator Robert F Kennedy addresses Wits students in the Great Hall.

1968

The Graduate School of Business Administration (Wits Business School) is established in Parktown.

1971

Wits hosts the first Free People's Concert on 12 March. It is a 12-hour non-racial open-air event.

1978

The Centre for Applied Legal Studies (CALS) is founded by Professor John Dugard as a legal research unit within Wits to encourage law reform and improved access to justice during the apartheid era.

1980s

A period of activism and mobilisation against apartheid defines a large part of Wits' identity.

1982

Wits alumnus Sir Aaron Klug wins the Nobel Prize in Chemistry.

1983

The Wits Theatre opens

1988

Nadine Gordimer wins the Nobel Prize in Literature. Wits confers an honorary doctorate on Nelson Mandela.

1989

Wits purchases the Umbabat Farm in Bushbuckridge, Limpopo Province, to launch the Wits Rural Facility, an interdisciplinary research facility to develop the community.

David Webster, anti-apartheid activist and lecturer in the Anthropology Department, is assassinated on 1 May 1989.

1993

Nelson Mandela wins the Nobel Peace Prize.

1997

Ron Clarke reveals an almost complete *Australopithecus* skeleton, now known as 'Little Foot'.

2002

The University's Donald Gordon Medical Centre, South Africa's only independent academic hospital, is launched.

Wits alumnus Sydney Brenner wins the Nobel Prize in Physiology or Medicine.

2004

The Dalai Lama visits Wits and delivers a public lecture on 5 November.

2005

Wits announces the world's oldest dinosaur embryos.

2006

The Origins Centre is opened by President Thabo Mbeki.

Wits alumnus Gavin Hood and five other Wits alumni win an Academy Award in the category 'Best Foreign Film', for *Tsotsi*.

2008

Seven hundred Wits academics and staff, including the Vice-Chancellor, don their academic gowns and bear placards on Jan Smuts Avenue to protest against nationwide xenophobic attacks.

2010

A ground-breaking discovery of *Australopithecus sediba* fossils (one of which is named 'Karabo') is announced to the world by Wits palaeoanthropologist Professor Lee Berger.

2012

Wits Art Museum opens and houses the largest collection of African art on the continent. The new School of Public Health building opens in Parktown.

2015

Student protests disrupt classes, shut down the campus and occupy the administration building on 14 October. #FeesMustFall movement spreads to other universities to stop increases in student fees.

Professor Lee Berger and his team announce the discovery of the *Homo naledi* fossils

2016

The Tshimologong Digital Innovation Precinct opens in Braamfontein. It is an enabling space to develop new digital technologies.

2018

Wits doctors transplant part of an HIV-positive mother's liver into her HIV-negative child.

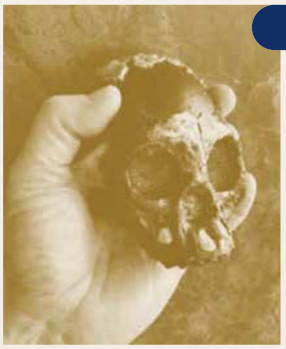
2019

Wits becomes the first African partner on the IBM Q Network.

The Jack Ginsberg Centre for Book Arts opens with more than 3 000 artists' books housed in the Wits Arts Museum.

2020

Wits takes its entire academic project (over 3 200 programmes) online in three weeks in response to the COVID-19 pandemic. Professor Shabir Madhi leads two COVID-19 vaccine trials known as the "Oxford" and "Novavax" trials.



2021

The first partial skull of a *Homo naledi* child, Leti, is found in the Rising Star Cave System in the Cradle of Humankind World Heritage Site.

2022

Wits celebrates its 100th anniversary

Origins Centre: Houses Palaeoanthropological and Archaeological material, as well the largest rock engraving archive on the continent.

Wits Chris Seabrooke Music Hall: Launched at the beginning of the Wits centenary campaign, it is the only purpose-built live music hall with a modern acoustic design in Johannesburg; designed specifically for musical performances.

The Wits Anglo American Digital Dome (formerly the Planetarium: The nearly 100-year-old Star Projector at the Wits Planetarium is being replaced by a fully digital digital dome projection system.

Wits Theatre: One of the finest performing arts facilities in the country providing support for the mounting of productions and aspects of technical teaching and practical training. The Wits Theatre has established itself as South Africa's major venue for contemporary dance.

Attractions ON WITS CAMPUSES

History, heritage and science at Wits

Wits Art Museum (WAM): Houses 9 000 of the world's largest and finest collections of African art and is a rich resource for research and training.

Tshimologong Digital Innovation Precinct: This Precinct facilitates the incubation of start-ups, the commercialisation of research and the development of high-level digital skills for students, working professionals and unemployed youth

The Adler Museum of Medicine: Preserves South Africa's history of the health sciences

The Life Sciences Museum: The only natural history museum in Johannesburg

WITS OFFERS STATE-OF-THE-ART

Infrastructure and Technology

- Unlimited and fast **WiFi**
- Smart **classrooms**
- Future **libraries**
- **Knowledge** hubs
- **Online** resources
- **E-degrees** and short courses

Blended Learning

Learning via electronic and online media as well as traditional face-to-face teaching by expert lecturers.

Simulation Labs

Students are trained and assessed on how to react to conditions as they would under real life circumstances. Clinical skills, attitudes, knowledge and reasoning are evaluated, preparing students for transition into the real clinical environment.

eZones

A student-centred adaptive learning environment on Wits Education Campus that uses advanced eLearning tools to deliver education that prepares students for the 21st Century.

YOUR QUESTIONS *Answered*

KuduBot, our online support, **works 24/7**
to provide information on a host of topics including:

Entry requirements | APS calculations | Applications
Fees and payments | Scholarships and financial support
Sports | Residences and accommodation

CHAT WITH KUDUBOT: WWW.WITS.AC.ZA

APPLY ON TIME

Consider this: over 100 000 applications were received in 2022, for 2023, all competing for just over 5 000 undergraduate places. The same number of applications can be expected in 2023, for the 2024 cohort.

Application closing dates - see Page 24.

MORE IMPORTANTLY

Study hard and keep your grades up as admission into Wits requires high marks. Provisional acceptance is based on self-reported Grade 11 final marks, with final acceptance based on your final Matric results.

National Senior Certificate

Minimum Admission Requirements (Bachelor's Degree Pass)

NB: Compliance with the minimum requirements does **not** guarantee a place at the University. The University has a specific number of places for first year undergraduates, approved by the Department of Higher Education and Training. Final selection is made subject to the availability of places, academic results and other entry requirements where applicable.

Applicants require the following to be considered for entry into any of the five faculties:

- National Senior Certificate (NSC), or Independent Examinations Board (IEB), or South African Comprehensive Assessment Institute (SACAI) subjects, and
- Certain levels of achievement as set out in this Guide, as well as a Bachelor's degree pass.

Points

Wits tabulates the points score for all subjects on the following basis:

- English must be taken either as Home Language or First Additional Language
- Mathematics is a core and compulsory subject for all numerate programmes in Commerce, Law and Management, Engineering and the Built Environment, Science and most of the programmes in the Health Sciences Faculty
- Mathematical Literacy will be considered for LLB, Education and Humanities (except for Speech-Language Pathology and Audiology)
- Wits does not distinguish between designated vs. non-designated subjects when calculating the admission points score (APS)
- The APS calculation is based on the best seven subjects including Life Orientation (faculty specific subjects must be included in the calculation)
- Further Studies subjects are also included in the APS calculation

WITS ADMISSION POINTS SCORE (APS)

Wits APS	Wits APS%	Wits APS for English and Mathematics	Wits APS for Life Orientation	Other Subjects
8	90-100	8+2=10	4	8
7	80-89	7+2=9	3	7
6	70-79	6+2=8	2	6
5	60-69	5+2=7	1	5
4	50-59	4	0	4
3	40-49	3	0	3
0	30-39	0	0	0
0	0-29	0	0	0

National Senior Certificate (NSC) Admission Points Score (APS)

NSC Scale of Achievement	NSC %
7	80 - 99
6	70 - 79
5	60 - 69
4	50 - 59
3	40 - 49
2	30 - 39
1	0 - 29

CALCULATE YOUR POINTS

Note: Seven subjects are used in the calculation of APS

Subject	%	Wits APS
1. English Home Language OR First Additional Language		
2. First Additional Language		
3. Mathematics/Maths Literacy		
4.		
5.		
6.		
7. Life Orientation		
TOTAL APS		

CENTRAL APPLICATION SERVICE (CAS)

The DHET has published the Draft Central Application Service Bill, 2019 to enable the establishment of a Post-School Education and Training Central Application Service. The CAS will offer advice and serve as an application channel for students applying for PSET opportunities. The service allows students to apply for study places, pay a single application fee and facilitate their applications to more than one institution if necessary. The University will provide further updates as and when these become available.

National Benchmark Tests

Test Dates (*Dates are subject to change)

Health Sciences as well as **Humanities** (Speech-Language Pathology and/or Audiology): no later than **13 August 2023**
Science: The test must be written by **31 October 2023**. (Your test results are used in addition to your Grade 12 results to identify students who may need additional support during the course of their studies).
For a comprehensive list of test dates, registration dates and available venues, please refer to the NBT website:
www.nbt.ac.za

The following applicants are required to write the National Benchmark Tests (NBT) before being considered for admission:

Faculty of Health Sciences

All applicants, except those applying to the Graduate Entry Medical Programme (GEMP) only, those who are in their final year of a degree and those who have already completed a degree, must write the NBT before being considered for admission. *Please note:*

- Applicants who achieve in the 'basic' range (refer to the Benchmark Performance Levels table below), are unlikely to be considered for a place in the Health Sciences degrees.
- These are standard tests for all medical schools in South Africa and you are only required to write the tests once, irrespective of the number of medical schools you have applied to.

Benchmark Performance Levels

	Academic Literacy		Quantitative Literacy		Maths	
	Min	**Max**	**Min**	**Max**	**Min**	**Max**
Proficient	69	100	70	100	69	100
Intermediate	35	68	40	69	37	68
Basic	0	34	0	39	0	36

Wits Additional Placement Test (WAPT)

GRADUATE ENTRY MEDICAL PROGRAMME (GEMP)

(GEMP) applicants only

To be able to calculate a composite index, all components that contribute to this must be finalised (i.e.Tertiary Aggregate). Applicants will be notified of their eligibility to write the WAPT, scheduled for **September 2023**, as and when documentation for applications is complete. This means that the Faculty has received an academic transcript and all other pertinent documents. If documents are not submitted by **July 2023**, no further consideration will be given to your application. Applicants will need to start preparing well in advance of notification. All information about the content and nature of each of the components of the test is given on the GEMP website:

www.wits.ac.za/health/gemp

Faculty of Humanities

Applicants to the Bachelor of Speech-Language Pathology, Bachelor of Audiology.

Mature age applicants who wrote matric pre-2008, with no degree exemption, may qualify for exemption and will be required to write the NBT test for all Arts degrees (excluding BA Law, Bachelor of Speech-Language Pathology and Bachelor of Audiology).

Two Tests

1) Academic and Quantitative Literacy Test
2) Mathematics Test

The test results will be used in addition to the Grade 11 results (for early decision making purposes) and the Grade 12 results (for final decision-making purposes).

- Both tests (1 and 2) must be written at one session.
- ONLY the first attempt results will be taken into account for selection purposes and thus it is not advisable to write the tests more than once in any year.
- NBT results are valid for three years.

Rules

- Applicants to register on **www.nbt.ac.za/** to write the tests. Registration closes approximately three weeks prior to each of the test dates. You can register for the NBT even before you submit your application to the University.

DO NOT wait for an official notification from the University in order to register and write the tests. You may miss the NBT deadline.

- A fee is charged for the tests. The fee can only be paid once you have registered to write the test.
- Results received for tests written after this date WILL NOT be taken into consideration. Applicants are encouraged to write the tests as early as possible.

National Certificate (Vocational)

Subject to institutional admission requirements, the minimum admission requirement to a Bachelor's degree programme is a National Certificate (Vocational) Level 4 issued by Council for General and Further Education and Training. The minimum legislative requirements for admission to a Bachelors degree include the achievement of:

- Three fundamental subjects between 60 - 69%
  (including English as the language of learning and teaching at Wits).
- Three vocational subjects from the designated list between 70-79% (4).

WITS INSTITUTIONAL REQUIREMENTS

An applicant who holds an NCV may be invited to write a test, provided that he/she has met the following compulsory institutional requirements as well as the Faculty and degree-specific requirements. An applicant must have:

- Taken English as either language of learning and teaching or as the first additional language
- Taken Mathematics as a fundamental component
- Achieved 70-79% for all seven subjects - in fundamental and vocational categories.

Faculty of Commerce, Law and Management		
BCom BEconSc BAccSc	English	4 (70%)
	Mathematics	4 (70%)
	Four subjects from Business, Commerce and Management Studies	
Faculty of Engineering and the Built Environment Besides meeting the University's requirements an applicant who holds an NCV will be interviewed by the Dean, Assistant Dean and relevant Head of School.		
Faculty of Science		
	Mathematics	5 (80%)
	Physical Sciences	5 (80%)
	English	5 (80%)
Faculty of Health Sciences		
MBBCh, BPharm BSc(Physio), BHSc (Biomedical and Biokinetics)	English HL/First Additional Language	4 (70%)
	Mathematics	4 (70%)
	Life Sciences AND/OR Physical Sciences	4 (70%)
BDS	English HL/First Additional Language	4 (70%)
	Mathematics	4 (70%)
	Life Sciences and Physical Sciences	4 (70%)
BNurs BSc (OT) BCMP Bachelor of Oral Health Sciences	English HL/First Additional Language	3 (60%)
	Mathematics	3 (60%)
	Life Sciences and Physical Sciences	3 (60%)
Faculty of Humanities		
Applicants who present with an NCV will not be considered.		

Admission Points Score	**%**	**Rating**
Outstanding	**80-100**	**5**
Highly competent	**70-79**	**4**
Competent	**50-69**	**3**
Not yet competent	**40-49**	**2**
Not achieved	**0-39**	**1**

Faculty of Commerce, Law and Management

Minimum Admission Requirements

National Senior Certificate (NSC) Bachelor's degree pass
Closing Date: 30 September 2023

Programmes	Duration (years)	APS	English Home Language OR First Additional Language	Mathematics	Maths Literacy	Waitlisting
School of Business Sciences						
Bachelor of Commerce (BCom) - General - Politics, Philosophy and Economics - Information Systems	3	38 +	5	5		Applicants with an APS of 35-37, as well as English Level 6 AND Mathematics Level 6, will be wait-listed, subject to place availability.
School of Accountancy						
Bachelor of Accounting Science (BAccSci)	3	44 +	5	6		Applicants with an APS of 39-43, as well as English Level 6 AND Mathematics Level 6, will be wait-listed, subject to place availability.
BCom - Accounting	3	38 +	5	5		Applicants with an APS of 35-37, as well as English Level 6 AND Mathematics Level 6, will be wait-listed, subject to place availability.
School of Economics and Finance						
Bachelor of Economic Science (BEconSci)	3	42 +	5	6		Applicants with an APS of 39-41, as well as English Level 5 AND Mathematics Level 7, will be wait-listed, subject to place availability. Applicants interested in Actuarial Science require Mathematics Level 7 and English Level 6.
School of Law						
Bachelor of Commerce with Law - BCom (Law)	3	43 +	5	5		Applicants with an APS of 35-42, as well as English Level 6 AND Mathematics Level 6, will be wait-listed subject to place availability.
Two-year LLB (for graduates only)	2	No matric APS calculation	4	Subject to assessment criteria as determined by the School of Law and place availability. Wits students who have completed a BA Law or BCom Law are eligible to apply for the two-year LLB. Applicants must have obtained an average of at least 60% for the final year of their undergraduate degree.		
Three-year LLB (for graduates only)	3	No matric APS calculation	4	Subject to assessment criteria as determined by the School of Law and place availability. Applicants who have completed an undergraduate degree at an institution other than Wits are required to apply for the three-year LLB programme. Wits applicants who have completed an undergraduate degree without Law modules are also required to apply for the three-year LLB. Applicants must have obtained an average of at least 65% for the final year of their undergraduate degree.		
Four-year LLB	4	46 +	6	4	6	Applicants with an APS of 40-45, as well as English Level 6 AND Mathematics Level 4 OR Maths Literacy Level 6, will be wait-listed, subject to place availability.

NB: Due to the limited number of places available, meeting the minimum requirements does not guarantee a place.
Final selection is made subject to the availability of places, academic results and other entry requirements where applicable.

International Qualifications (Relevant exemption from South African Matriculation Board)

Ordinary Level (O Level)/ International General Certificate of Secondary Education (IGCSE)	Advanced Level (A Level)	Advanced Subsidiary (AS Level)	International Baccalaureate (IB Diploma)	Higher Int. Certificate of Secondary Education (HIGCSE)	Ordinary Level (O Level)/IGCSE	Advanced Level (A Level)	Advanced Subsidiary (AS Level)	International Baccalaureate (IB Diploma)	Higher International Certificate of Secondary Education (HIGCSE)
English Language					Mathematics				
School of Business Sciences									
A-C	A-C	A-C	HL 4-7 SL 5-7	1-3		A-C	A-B	HL 4-7 SL 5-7	1-3
School of Accountancy									
A-C	A-C	A-C	HL 4-7 SL 5-7	1-3		A-B	A	HL 4-7 SL 5-7	1-2
School of Economics and Finance									
A-C	A-C	A-C	HL 4-7 SL 5-7	1-3		A-B	A	HL 4-7 SL 5-7	1-2
School of Law									
A-C	A-C	A-C	HL 4-7 SL 5-7	1-3		A-C	A-B	HL 4-7 SL 5-7	1-3
A-B	A-B	A-B	HL 4-7 SL 5-7	1-2	A-C	A-C	A-C	HL 4-7 SL 5-7	1-2

NB: Due to the limited number of places available, meeting the minimum requirements does not guarantee a place. Final selection is made subject to the availability of places, academic results and other entry requirements where applicable.

Faculty of Engineering and the Built Environment

Minimum Admission Requirements

National Senior Certificate (NSC) Bachelor's degree pass
Closing Dates: 30 June 2023 (Bachelor of Architectural Studies) | 30 September 2023 (all other programmes)

Programmes (Refer to Page 70 for information on the common First year curriculum for all professional engineering degrees).	APS	English Home Language OR First Additional Language	Mathematics	Physical Science	Additional Information
School of Chemical and Metallurgical Engineering					
Bachelor of Science in Engineering in Chemical Engineering (BSc(Eng)) (4 years)	42 +	5	5	5	Generally, applicants who achieve Level 6 in English, Mathematics and Physical Science stand a greater chance of being accepted.
Bachelor of Science in Engineering in Metallurgy and Materials Engineering (BSc(Eng)) (4 years)	42 +	5	5	5	Generally, applicants who achieve Level 6 in English, Mathematics and Physical Science stand a greater chance of being accepted.
School of Civil and Environmental Engineering					
Bachelor of Science in Engineering in Civil Engineering (BSc(Eng)) (4 years)	42 +	5	5	5	Generally, applicants who achieve Level 6 in English, Mathematics and Physical Science stand a greater chance of being accepted.
School of Electrical and Information Engineering					
Bachelor of Science in Engineering in Electrical Engineering (BSc(Eng)) (4 years)	42 +	5	5	5	Generally, applicants who achieve Level 6 in English, Mathematics and Physical Science stand a greater chance of being accepted.
Bachelor of Engineering Science in Biomedical Engineering (BEngSc(BME)) (3 years)	42 +	5	5	5	Generally, applicants who achieve Level 6 in English, Mathematics and Physical Science stand a greater chance of being accepted.
Bachelor of Engineering Science in Digital Arts (BEngSc(DA)) (3 years)	42 +	5	5	5	Generally, applicants who achieve Level 6 in English, Mathematics and Physical Science stand a greater chance of being accepted.
School of Mechanical, Industrial and Aeronautical Engineering					
Bachelor of Science in Engineering in Aeronautical Engineering (BSc(Eng)) (4 years)	42 +	5	5	5	Generally, applicants who achieve Level 6 in English, Mathematics and Physical Science stand a greater chance of being accepted.
Bachelor of Science in Engineering in Industrial Engineering (BSc(Eng)) (4 years)	42 +	5	5	5	Generally, applicants who achieve Level 6 in English, Mathematics and Physical Science stand a greater chance of being accepted.
Bachelor of Science in Engineering in Mechanical Engineering (BSc(Eng)) (4 years)	42 +	5	5	5	Generally, applicants who achieve Level 6 in English, Mathematics and Physical Science stand a greater chance of being accepted.
School of Mining Engineering					
Bachelor of Science in Engineering in Mining Engineering BSc(Eng) (4 years)	42 +	5	5	5	Generally, applicants who achieve Level 6 in English, Mathematics and Physical Science stand a greater chance of being accepted.
School of Architecture and Planning					
Bachelor of Architectural Studies (BAS) (3 years)	34 +	4	4		Acceptance depends on departmental selection. Applicants must complete a written and graphic exercise and may be required to attend an interview. Following an interview, applicants with a Wits APS of 29-33 may be accepted on the basis of exceptional scores. The BAS selection process is conducted by a panel of senior academics from the School of Architecture and Planning, which is monitored by the Assistant Dean. Selection is based predominantly on performance in the selection exercise, interview and academics. Demographic balance is taken into consideration where a choice needs to be made between applicants scoring within the same range.
Bachelor of Science in Urban and Regional Planning (BSc(URP)) (3 years)	36 +	5	5		Applicants with an APS of 30-35 will be wait-listed subject to place availability.
School of Construction Economics and Management					
Bachelor of Science in Construction Studies (BSc(CS)) (3 years)	36 +	5	5		Applicants with an APS of 30-35 will be wait-listed subject to place availability.
Bachelor of Science in Construction Studies (in the field of Property Studies) (BSc(CS)(Property Studies) (3 years)	36 +	5	5		Applicants with an APS of 30-35 will be wait-listed subject to place availability.

NB: Due to the limited number of places available, meeting the minimum requirements does not guarantee a place. Final selection is made subject to the availability of places, academic results and other entry requirements where applicable.

International Qualifications (Relevant exemption from South African Matriculation Board)

Ordinary Level (O Level)/ International General Certificate of Secondary Education (IGCSE)	Advanced Level (A Level)	Advanced Subsidiary (AS Level)	International Baccalaureate (IB Diploma))	Higher Int. Certificate of Secondary Education (HIGCSE)	Advanced Level (A Level)	Advanced Subsidiary (AS Level)	International Baccalaureate (IB Diploma))	Higher Int. Certificate of Secondary Education (HIGCSE)	Advanced Level (A Level)	Advanced Subsidiary (AS Level)	International Baccalaureate (IB Diploma))	Higher Int. Certificate of Secondary Education (HIGCSE)
English Language					Mathematics				Physics Chemistry (BSc ChemEng and BSc Metallurgy ONLY)			
School of Chemical and Metallurgical Engineering												
A-C	A-C	A-C	HL 4-7, SL 5-7	1-3	A-C	A-C	HL 4-7, SL 5-7	1-3	A-C	A-C	HL 4-7, SL 5-7	1-3
									A-D	A-D	HL 4-7, SL 5-7	1-3
A-C	A-C	A-C	HL 4-7, SL 5-7	1-3	A-C	A-C	HL 4-7, SL 5-7	1-3	A-C	A-C	HL 4-7, SL 5-7	1-3
									A-D	A-D	HL 4-7, SL 5-7	1-3
School of Civil and Environmental Engineering												
A-C	A-C	A-C	HL 4-7, SL 5-7	1-3	A-C	A-C	HL 4-7, SL 5-7	1-3	A-C	A-C	HL 4-7, SL 5-7	1-3
School of Electrical and Information Engineering												
A-C	A-C	A-C	HL 4-7, SL 5-7	1-3	A-C	A-C	HL 4-7, SL 5-7	1-3	A-C	A-C	HL 4-7, SL 5-7	1-3
A-C	A-C	A-C	HL 4-7, SL 5-7	1-3	A-C	A-C	HL 4-7, SL 5-7	1-3	A-C	A-C	HL 4-7, SL 5-7	1-3
A-C	A-C	A-C	HL 4-7, SL 5-7	1-3	A-C	A-C	HL 4-7, SL 5-7	1-3	A-C	A-C	HL 4-7, SL 5-7	1-3
School of Mechanical, Industrial and Aeronautical Engineering												
A-C	A-C	A-C	HL 4-7, SL 5-7	1-3	A-C	A-C	HL 4-7, SL 5-7	1-3	A-C	A-C	HL 4-7, SL 5-7	1-3
A-C	A-C	A-C	HL 4-7, SL 5-7	1-3	A-C	A-C	HL 4-7, SL 5-7	1-3	A-C	A-C	HL 4-7, SL 5-7	1-3
A-C	A-C	A-C	HL 4-7, SL 5-7	1-3	A-C	A-C	HL 4-7, SL 5-7	1-3	A-C	A-C	HL 4-7, SL 5-7	1-3
School of Mining Engineering												
A-C	A-C	A-C	HL 4-7, SL 5-7	1-3	A-C	A-C	HL 4-7, SL 5-7	1-3	A-C	A-C	HL 4-7, SL 5-7	1-3
School of Architecture and Planning												
A-C	A-C	A-C	HL 4-7, SL 5-7	1-3	A-C	A-C	HL 4-7, SL 5-7	1-3				
A-C	A-C	A-C	HL 4-7, SL 5-7	1-3	A-C	A-C	HL 4-7, SL 5-7	1-3				
School of Construction Economics and Management												
A-C	A-C	A-C	HL 4-7, SL 5-7	1-3	A-C	A-C	HL 4-7, SL 5-7	1-3				
A-C	A-C	A-C	HL 4-7, SL 5-7	1-3	A-C	A-C	HL 4-7, SL 5-7	1-3				

NB: Due to the limited number of places available, meeting the minimum requirements does not guarantee a place. Final selection is made subject to the availability of places, academic results and other entry requirements where applicable.

Faculty of Health Sciences

Minimum Admission Requirements

National Senior Certificate (NSC) Bachelor's degree pass
Closing Date: 30 June 2023

Programmes	Selection Procedures	English Home Language OR First Additional Language	Mathematics	Maths Literacy	Life Sciences	Physical Science	Life Sciences AND/OR Physical Science
When applying to the Faculty of Health Sciences, you will not be selected on your school leaving results only, although they are very important. A composite index is calculated, taking into consideration, (i) your academic results for five subjects and (ii) your National Benchmark Test scores. Only five subjects are used to derive an academic score, which is calculated according to the percentages obtained, NOT symbols. These are English, Mathematics, Physical Science/Life Sciences and the best two other subjects. Dental Science requires English, Mathematics, Physical Science AND Life Sciences. All applicants (excluding applicants who are applying to the Graduate Entry Medical Programme (GEMP) only, those who are in their final year of their degree, and those that have already completed a degree), are required to write the National Benchmark Test. Qualifying GEMP applicants will be invited to take the Wits Additional Placement Test (WAPT). Applicants are advised to prepare in advance in the event that they are invited to write the WAPT. Refer to Page 90 for more information on the NBT and the WAPT.							
Bachelor of Health Sciences: (BHSci) · Biomedical Sciences · Biokinetics · Health Systems Sciences (All 3 years)	All Faculty of Health Sciences applicants, except those applying to the Graduate Entry Medical Programme (GEMP) only, those who are in their final year of a degree and those who have already completed a degree, must write the NBT by 13 August 2023 before being considered for admission. Refer to Page 90 for more information on the NBT or refer to: www.nbt.ac.za	5	5				5
Bachelor of Clinical Medical Practice (BCMP) (3 years)		4	4	7			4
Bachelor of Medicine and Bachelor of Surgery (MBBCh) (6 years)	There are two entry points into the MBBCh: · First year, for applicants currently in Grade 12 and ; · Third year, for applicants who have completed a relevant degree (GEMP).	5	5				5
Bachelor of Dental Science (BDS) (5 years)	All applicants to Bachelor of Dental Science and Bachelor of Oral Health Sciences must spend time observing specific procedures as performed by a Dentist/Dental Therapist/Oral Hygienist to gain insight into the profession. Applicants must complete a job shadowing certificate of attendance (minimum 16 hours). Only observation hours completed between 1 July 2022 and 31 July 2023 will be accepted. Please download the form from: www.wits.ac.za/undergraduate/apply-to-wits/ under Additional Forms. Applicants who fail to submit a certificate of attendance will not be considered for admission.	5	5		5	5	
Bachelor of Oral Health Sciences (BOHS) (3 years)		4	4	7			4
Bachelor of Nursing (BNurs) (4 years)		4	4				4
Bachelor of Pharmacy (BPharm) (4 years)		5	5				5
Bachelor of Science in Occupational Therapy (BSc (OT) (4 years)	All applicants to BSc Occupational Therapy must spend time observing an Occupational Therapist and all applicants to BSc Physiotherapy must spend time observing a Physiotherapist, to gain insight into the profession. Applicants must complete a job shadowing certificate of attendance (minimum 16 hours). Only observation hours completed between 1 July 2022 and 31 July 2023 will be accepted. Please download the form from: www.wits.ac.za/undergraduate/apply-to-wits/ under Additional Forms. Applicants who fail to submit a certificate of attendance will not be considered for admission.	4	4				4
Bachelor of Science in Physiotherapy (BSc Physiotherapy) (4 years)		5	5				5

NB: Due to the limited number of places available, meeting the minimum requirements does not guarantee a place. Final selection is made subject to the availability of places, academic results and other entry requirements where applicable.

International Qualifications (Relevant exemption from South African Matriculation Board)

Ordinary Level (O Level)/ International General Certificate of Secondary Education (IGCSE)	Advanced Level (A Level)	Advanced Subsidiary (AS Level)	International Baccalaureate (IB Diploma)	Higher Int. Certificate of Secondary Education (HIGCSE)	Advanced Level (A Level)	Advanced Subsidiary (AS Level)	International Baccalaureate (IB Diploma)	Higher Int. Certificate of Secondary Education (HIGCSE)	Advanced Level (A Level)	Advanced Subsidiary (AS Level)	International Baccalaureate (IB Diploma))	Higher Int. Certificate of Secondary Education (HIGCSE)
English Language					Mathematics				Biology/Physics/Chemistry			
ALL Applicants must have done English Language, Mathematics, Biology, Physics or Chemistry. Bachelor of Dental Science applicants must have done English Language, Mathematics, Biology, Physics AND Chemistry.												
A-C	A-C	A-C	HL 4-7, SL 5-7	1-2	A-C	A-C	HL 4-7, SL 5-7	1-2	A-C A choice of TWO from Biology, Physics OR Chemistry	A-C A choice of TWO from Biology, Physics OR Chemistry	HL 4-7, SL 5-7 A choice of TWO from Biology, Physics OR Chemistry	1-2 A choice of TWO from Biology, Physics OR Chemistry
A-C	A-C	A-C	HL 4-7, SL 5-7	1-2	A-C	A-C	HL 4-7, SL 5-7	1-2	A-C A choice of TWO from Biology, Physics OR Chemistry	A-C A choice of TWO from Biology, Physics OR Chemistry	HL 4-7, SL 5-7 A choice of TWO from Biology, Physics OR Chemistry	1-2 A choice of TWO from Biology, Physics OR Chemistry
A-C	A-C	A-C	HL 4-7, SL 5-7	1-2	A-C	A-C	HL 4-7, SL 5-7	1-2	A-C A choice of TWO from Biology, Physics OR Chemistry	A-C A choice of TWO from Biology, Physics OR Chemistry	HL 4-7, SL 5-7 A choice of TWO from Biology, Physics OR Chemistry	1-2 A choice of TWO from Biology, Physics OR Chemistry
A-C	A-C	A-C	HL 4-7, SL 5-7	1-2	A-C	A-C	HL 4-7, SL 5-7	1-2	A-C Biology AND Physics AND Chemistry	A-C Biology AND Physics AND Chemistry	HL 4-7, SL 5-7 Biology AND Physics AND Chemistry	1-2 Biology AND Physics AND Chemistry
A-C	A-C	A-C	HL 4-7, SL 5-7	1-2	A-C	A-C	HL 4-7, SL 5-7	1-2	A-C A choice of TWO from Biology, Physics OR Chemistry	A-C A choice of TWO from Biology, Physics OR Chemistry	HL 4-7, SL 5-7 A choice of TWO from Biology, Physics OR Chemistry	1-2 A choice of TWO from Biology, Physics OR Chemistry
A-C	A-C	A-C	HL 4-7, SL 5-7	1-2	A-C	A-C	HL 4-7, SL 5-7	1-2	A-C A choice of TWO from Biology, Physics OR Chemistry	A-C A choice of TWO from Biology, Physics OR Chemistry	HL 4-7, SL 5-7 A choice of TWO from Biology, Physics OR Chemistry	1-2 A choice of TWO from Biology, Physics OR Chemistry
A-C	A-C	A-C	HL 4-7, SL 5-7	1-2	A-C	A-C	HL 4-7, SL 5-7	1-2	A-C A choice of TWO from Biology, Physics OR Chemistry	A-C A choice of TWO from Biology, Physics OR Chemistry	HL 4-7, SL 5-7 A choice of TWO from Biology, Physics OR Chemistry	1-2 A choice of TWO from Biology, Physics OR Chemistry
A-C	A-C	A-C	HL 4-7, SL 5-7	1-2	A-C	A-C	HL 4-7, SL 5-7	1-2	A-C A choice of TWO from Biology, Physics OR Chemistry	A-C A choice of TWO from Biology, Physics OR Chemistry	HL 4-7, SL 5-7 A choice of TWO from Biology, Physics OR Chemistry	1-2 A choice of TWO from Biology, Physics OR Chemistry
A-C	A-C	A-C	HL 4-7, SL 5-7	1-2	A-B	A-C	HL 4-7, SL 5-7	1-2	A-C A choice of TWO from Biology, Physics OR Chemistry	A-C A choice of TWO from Biology, Physics OR Chemistry	HL 4-7, SL 5-7 A choice of TWO from Biology, Physics OR Chemistry	1-2 A choice of TWO from Biology, Physics OR Chemistry

NB: Due to the limited number of places available, meeting the minimum requirements does not guarantee a place. Final selection is made subject to the availability of places, academic results and other entry requirements where applicable.

Faculty of Humanities

Minimum Admission Requirements

National Senior Certificate (NSC) Bachelor's degree pass
Closing Dates: 30 June 2023 (B Speech Language-Pathology and B Audiology and BA Film and Television)
30 September 2023 (all other programmes)

Programmes		APS	English Home Language OR First Additional Language	Mathematics	Maths Literacy	Technical Mathematics	Waitlisting
Bachelor of Arts (BA) (3 years)		36 +	5				30-35 points. Preference is given to higher English results.
Bachelor of Arts (Law) (3 years)		43 +	5	3	4		Applicants who wish to take law courses in their first year of study must meet the admission requirements for law (40-42 points). Preference is given to higher English results.
Professional and Specialist degrees:							
Wits School of Arts (WSoA)							
Programme	Additional Selection Criteria	APS	English Home Language OR First Additional Language				Waitlisting
Bachelor of Arts in Digital Arts (4 years)	Consideration for any degree in the Wits School of Arts requires applicants to fulfil the academic entrance criteria set out by the University. In addition, it is required that the applicant successfully complete an interview/audition/portfolio/ written assignment at the Wits School of Arts that will take place from May 2023. Consideration into the degree is dependent on you successfully fulfilling both these criteria.	34 +	5				An APS of 30-33 points may be wait-listed, subject to place availability. Preference is given to higher English results.
Bachelor of Arts in Theatre and Performance (4 years)		34 +	5				An APS of 30-33 points may be wait-listed, subject to place availability. Preference is given to higher English results.
Bachelor of Arts in Film and Television (4 years)		34 +	5				An APS of 30-33 points may be wait-listed, subject to place availability. Preference is given to higher English results.
Bachelor of Arts in Fine Arts (4 years)		34 +	5				An APS of 30-33 points may be wait-listed, subject to place availability. Preference is given to higher English results.
Bachelor of Music (4 years)		34 +	5				An APS of 30-33 points may be wait-listed, subject to place availability. Preference is given to higher English results.
Wits School of Education (WSoE)							
Bachelor of Education (BEd)				Mathematics OR Maths Literacy OR Technical Mathematics			
- Foundation Phase Teaching (4 years)		37+	5	4	5	5	An APS of 31-36 may be wait-listed, subject to place availability. Preference is given to higher English results.
- Intermediate Phase Teaching (4 years)		37+	5	4	5	5	An APS of 31-36 may be wait-listed, subject to place availability. Preference is given to higher English results.
- Senior Phase and Further Education and Training Teaching (4 years)		37+	5				An APS of 31-36 may be wait-listed, subject to place availability. Preference is given to higher English results.
School of Human and Community Development (SHCD)							
Bachelor of Speech-Language Pathology (4 years)	Applicants for the Bachelor of Speech-Language Pathology, Bachelor of Audiology are required to write the NBT. Please refer to Page 12 for more information on the NBT.	34 +	5	4			An APS of 30-33 points may be wait-listed, subject to place availability. Preference is given to higher English results.
Bachelor of Audiology (4 years)		34 +	5	4			An APS of 30-33 points may be wait-listed, subject to place availability. Preference is given to higher English results.
Bachelor of Social Work (4 years)		34 +	5				An APS of 30-33 points may be wait-listed, subject to place availability. Preference is given to higher English results.

NB: Due to the limited number of places available, meeting the minimum requirements does not guarantee a place. Final selection is made subject to the availability of places, academic results and other entry requirements where applicable.

International Qualifications (Relevant exemption from South African Matriculation Board)

Ordinary Level (O Level)/ International General Certificate of Secondary Education (IGCSE)	Advanced Level (A Level)	Advanced Subsidiary (AS Level)	International Baccalaureate (IB Diploma))	Higher Int. Certificate of Secondary Education (HIGCSE)	Ordinary Level (O Level)/ Int. Gen. Certificate (IGC)/ Secondary Education for Mature Age Exemption only (IGCSE)	Advanced Level (A Level)	Advanced Subsidiary (AS Level)	International Baccalaureate (IB Diploma))	Higher Int. Certificate of Secondary Education (HIGCSE)
English Language					Mathematics				
A-C	A-C	A-C	HL 4-7 SL 5-7	1-3					
A-C	A-C	A-C	HL 4-7 SL 5-7	1-3	A-C	A-D	A-D	HL 4-7 SL 5-7 (Maths Method)	1-3
Professional and Specialist degrees:									
Wits School of Arts (WSoA)									
O Level/ IGC/ IGCSE	A Level	AS Level	IB Diploma	HIGCSE	O Level/IGC/IGCSE	A Level	AS Level	IB Diploma	HIGCSE
A-C	A-C	A-C	HL 4-7 SL 5-7	1-3					
A-C	A-C	A-C	HL 4-7 SL 5-7	1-3					
A-C	A-C	A-C	HL 4-7 SL 5-7	1-3					
A-C	A-C	A-C	HL 4-7 SL 5-7	1-3					
A-C	A-C	A-C	HL 4-7 SL 5-7	1-3					
Wits School of Education (WSoE)									
Bachelor of Education (BEd)									
A-C	A-C	A-C	HL 4-7 SL 5-7	1-3		A-D	A-D	HL 3-7 SL 4-7	1-3
A-C	A-C	A-C	HL 4-7 SL 5-7	1-3		A-D	A-D	HL 3-7 SL 4-7	1-3
A-C	A-C	A-C	HL 4-7 SL 5-7	1-3					
School of Human and Community Development (SHCD)									
A-C	A-C	A-C	HL 4-7 SL 5-7	1-3		A-D	A-D	HL 3-7 SL 4-7	1-3
A-C	A-C	A-C	HL 4-7 SL 5-7	1-3		A-D	A-D	HL 3-7 SL 4-7	1-3
A-C	A-C	A-C	HL 4-7 SL 5-7	1-3					

NB: Due to the limited number of places available, meeting the minimum requirements does not guarantee a place. Final selection is made subject to the availability of places, academic results and other entry requirements where applicable.

Faculty of Science

Minimum Admission Requirements

National Senior Certificate (NSC) Bachelor's degree pass
Closing Date: 30 September 2023

All applicants to the Faculty of Science, are required to write the National Benchmark Test on 31 October 2023.
Refer to Page 116 for more information on the NBT.

Programmes	Duration (years)	APS	English Home Language or First Additional Language	Mathematics	Physical Science	Waitlisting
Bachelor of Science (BSc) General	3	42 +	5	5		Applicants with 40-41 points may be wait-listed, subject to place availability.
Biological Sciences						
Bachelor of Science in the field of Biological Sciences	3	43 +	5	5		Applicants with 41-42 points may be wait-listed, subject to place availability.
Earth Sciences						
Bachelor of Science in the fields of Geographical and Archaeological Sciences	3	42+	5	5		Applicants with 40-41 points may be wait-listed, subject to place availability.
Bachelor of Science in the field of Geospatial Sciences	3	42+	5	5		Applicants with 40-41 points may be wait-listed, subject to place availability.
Bachelor of Science in the field of Environmental Studies	3	42+	5	5		Applicants with 40-41 points may be wait-listed, subject to place availability.
Bachelor of Science in the field of Geological Sciences	3	42+	5	6	5	Applicants with 40-41 points may be wait-listed, subject to place availability.
Mathematical Sciences						
Bachelor of Science in the field of Actuarial Science	3	42+	7	7	7	Applicants with 40-41 points may be wait-listed, subject to place availability.
Bachelor of Science in the field of Computational and Applied Mathematics	3	44+	5	6		Applicants with 41-43 points may be wait-listed, subject to place availability.
Bachelor of Science in the field of Computer Science	3	44+	5	6		Applicants with 41-43 points may be wait-listed, subject to place availability.
Bachelor of Science in the field of Mathematical Sciences	3	42+	7	7	7	Applicants with 40-41 points may be wait-listed, subject to place availability.
Physical Science						
Bachelor of Science in the field of Physical Sciences (Chemistry/ Physics)	3	42+	5	6	5	Applicants with 40-41 points may be wait-listed, subject to place availability.
Bachelor of Science in the field of Chemistry with Chemical Engineering	3	43+	5	6	6	Applicants with 40-42 points may be wait-listed, subject to place availability.
Bachelor of Science in the field of Materials Science	3	43+	5	6	5	Applicants with 40-42 points may be wait-listed, subject to place availability.
Bachelor of Science in the field of Astronomy and Astrophysics	3	43+	5	6	6	Applicants with 40-42 points may be wait-listed, subject to place availability.

NB: Due to the limited number of places available, meeting the minimum requirements does not guarantee a place. Final selection is made subject to the availability of places, academic results and other entry requirements where applicable.

International Qualifications (Relevant exemption from South African Matriculation Board)

Ordinary Level (O Level)/ International General Certificate of Secondary Education (IGCSE)	Advanced Level (A Level)	Advanced Subsidiary (AS Level)	International Baccalaureate (IB Diploma))	Higher Int. Certificate of Secondary Education (HIGCSE)	Advanced Level (A Level)	Advanced Subsidiary (AS Level)	International Baccalaureate (IB Diploma))	Higher Int. Certificate of Secondary Education (HIGCSE)	Advanced Level (A Level)	Advanced Subsidiary (AS Level)	International Baccalaureate (IB Diploma))	Higher Int. Certificate of Secondary Education (HIGCSE)
English Language					Mathematics				Physics			
A-C	A-C	A-C	HL 4-7 SL 5-7	1-3	A-C	A-C	HL 4-7 SL 5-7	1-3				
Biological Sciences												
A-C	A-C	A-C	HL 4-7 SL 5-7	1-3	A-C	A-C	HL 4-7 SL 5-7	1-3				
Earth Sciences												
A-C	A-C	A-C	HL 4-7 SL 5-7	1-3	A-C	A-C	HL 4-7 SL 5-7	1-3				
A-C	A-C	A-C	HL 4-7 SL 5-7	1-3	A-C	A-C	HL 4-7 SL 5-7	1-3				
A-C	A-C	A-C	HL 4-7 SL 5-7	1-3	A-C	A-C	HL 4-7 SL 5-7	1-3	A-C	A-C	HL 4-7 SL 5-7	1-3
A-C	A-C	A-C	HL 4-7 SL 5-7	1-3	A-C	A-C	HL 4-7 SL 5-7	1-3	A-C	A-C	HL 4-7 SL 5-7	1-3
Mathematical Sciences												
A-B	A-B	A-B	HL 6-7	1-2	A	A	HL 6-7	1	A-B	A-B	HL 6-7	1
A-B	A-B	A-B	HL 6-7 SL 7	1-2	A	A	HL 6-7	1				
A-C	A-C	A-C	HL 4-7 SL 5-7	1-3	A-B	A-B	HL 4-7 SL 5-7	1-3				
A-B	A-B	A-B	HL 6-7	1-2	A	A	HL 6-7	1	A-B	A-B	HL 6-7	1
Physical Science												
A-C	A-C	A-C	HL 4-7 SL 5-7	1-3	A-C	A-C	HL 4-7 SL 5-7	1-3	A-C	A-C	HL 4-7 SL 5-7	1-3
A-C	A-C	A-C	HL 4-7 SL 5-7	1-3	A-C	A-C	HL 4-7 SL 5-7	1-3	A-C	A-C	HL 4-7 SL 5-7	1-3
A-C	A-C	A-C	HL 4-7 SL 5-7	1-3	A-C	A-C	HL 4-7 SL 5-7	1-3	A-C	A-C	HL 4-7 SL 5-7	1-3
A-C	A-C	A-C	HL 4-7 SL 5-7	1-3	A-C	A-C	HL 4-7 SL 5-7	1-3	A-C	A-C	HL 4-7 SL 5-7	1-3

NB: Due to the limited number of places available, meeting the minimum requirements does not guarantee a place. Final selection is made subject to the availability of places, academic results and other entry requirements where applicable.

APPLY ONLINE

www.wits.ac.za/applications

follow steps 1-5...

01

1. CHOOSE YOUR PROGRAMME/S

- Apply for a maximum of three programmes. Order of choice does not matter. Wits does not rank applications and a decision for each degree choice will be provided.
- Each choice of degree is considered individually and the outcome of one does not affect the outcome of another.
- If you apply for two programmes within one Faculty, you are advised to apply for one programme in a less restricted Faculty (e.g. Humanities, Commerce or Science).
- Try to keep your options open, especially when applying for programmes in faculties such as Health Sciences or Engineering.
- Additional selection requirements:
  - Some degrees have additional selection requirements such as portfolio and essay submissions, auditions or the National Benchmark Test (NBT).
  - www.wits.ac.za/undergraduate/apply-to-wits/ (Additional Forms)

02

2. UPLOAD SUPPORTING DOCUMENTS

Supporting documents required at the time of application

CURRENT MATRIC APPLICANTS

Applicants currently in Grade 12 must upload their final Grade 11 results at the point of application. Hard copies of final Grade 11 results are not required.

PAST MATRIC APPLICANTS

Applicants who have completed Grade 12 or are currently upgrading must upload their final Grade 12 results.

APPLICANTS WITH TERTIARY EXPERIENCE

Applicants with tertiary experience must upload an official academic transcript of all tertiary studies, whether these have been completed or not. Academic transcripts are required to include a statement of good conduct.

All documents need to be certified within the last three months. If you are requested to post or courier any documents, please use: Student Enrolment Centre, Private Bag 4, Wits, 2050, or Student Enrolment Centre Braamfontein Campus East, Ground Floor, Solomon Mahlangu House, Jorissen Street, Braamfontein, Johannesburg, 2000.

Note: If you are unable to upload supporting documentation at the point of application, you will be able to do so *via* the student self-service portal after submission of your application. No emailed documentation will be accepted.

Application closing dates

30 JUNE 2023

All Health Sciences programmes

Bachelor of Architectural Studies

Bachelor of Audiology

Bachelor of Speech-Language Pathology

Bachelor of Arts in Film and Television

30 SEPT 2023

All other programmes

Residence applications

03

3. PAY YOUR APPLICATION FEE

- R100 Application fee for South African citizens and Permanent Residents (non-refundable)
- R700 Application fee for foreign citizens (non-refundable)

How to pay
Access the self-service portal once you have submitted your application. Click the Campus Finances tile. Select Make a Payment>Application Fee. Or deposit the exact amount into the Wits application fee account:

Bank:	Standard Bank	**Account name:**	Wits University - Application Fees
Account type:	Current Account	**Account number:**	200 346 385
Branch code:	004805	**Branch name:**	Braamfontein
CI number:	074A	**SWIFT code:**	SBZAZAJJ (for international payments)

Use your Temporary ID or Person Number as a reference

You can pay via EFT, credit card or through a direct deposit at the bank. You can also pay in cash or using a credit card at the: Fees Office, Braamfontein Campus East, Ground Floor, Solomon Mahlangu House, Braamfontein, Johannesburg

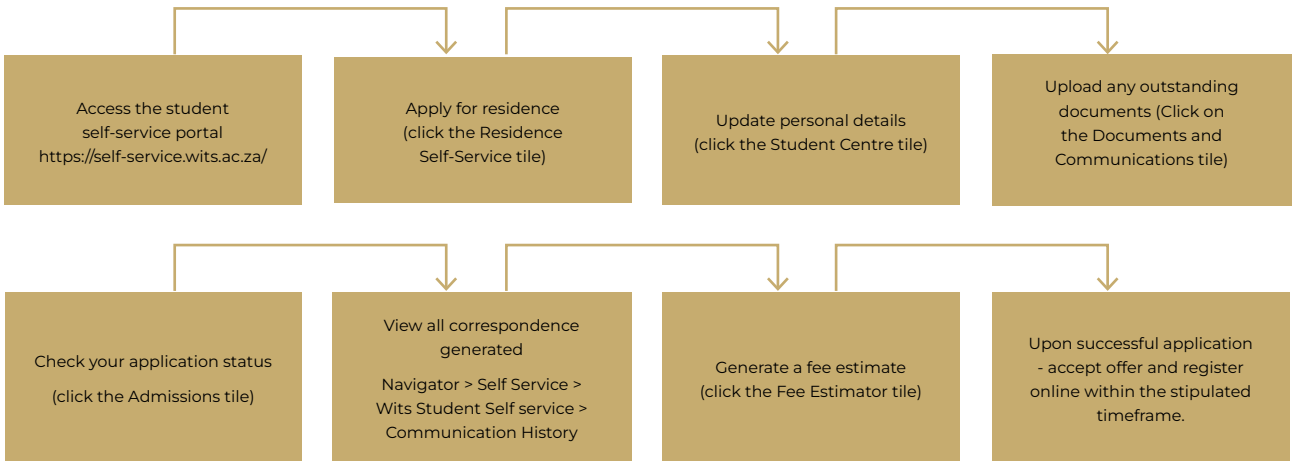
04

4. SUBMIT YOUR APPLICATION

You will receive an email from the University acknowledging receipt of your application. The acknowledgment email will contain a person number (which will become your student number). You will also be assigned an Admissions Consultant whom you may contact for any application related queries or any programme amendments you wish to make. Further communication will include various instructions (e.g. write the NBT, attend an interview, or submit outstanding documents).

05

5. ACCESS THE SELF-SERVICE PORTAL



Note:
- Certain programmes have additional selection criteria, e.g. NBT/audition/portfolio.
- Applicants currently writing matric may be made a provisional offer depending on self-reported Grade 11 results.
- Firm offers can only be confirmed after the release of the final matric results.
- Successful applicants will receive communication offering a firm place and information about registration and orientation programme.
- You are required to respond to the offer and register within a few days to secure your place.
- Places are limited, therefore you may only accept one offer.
- Meeting the minimum admission requirements does **not** guarantee a place for any applicant.

Changed your mind about your choice of study?

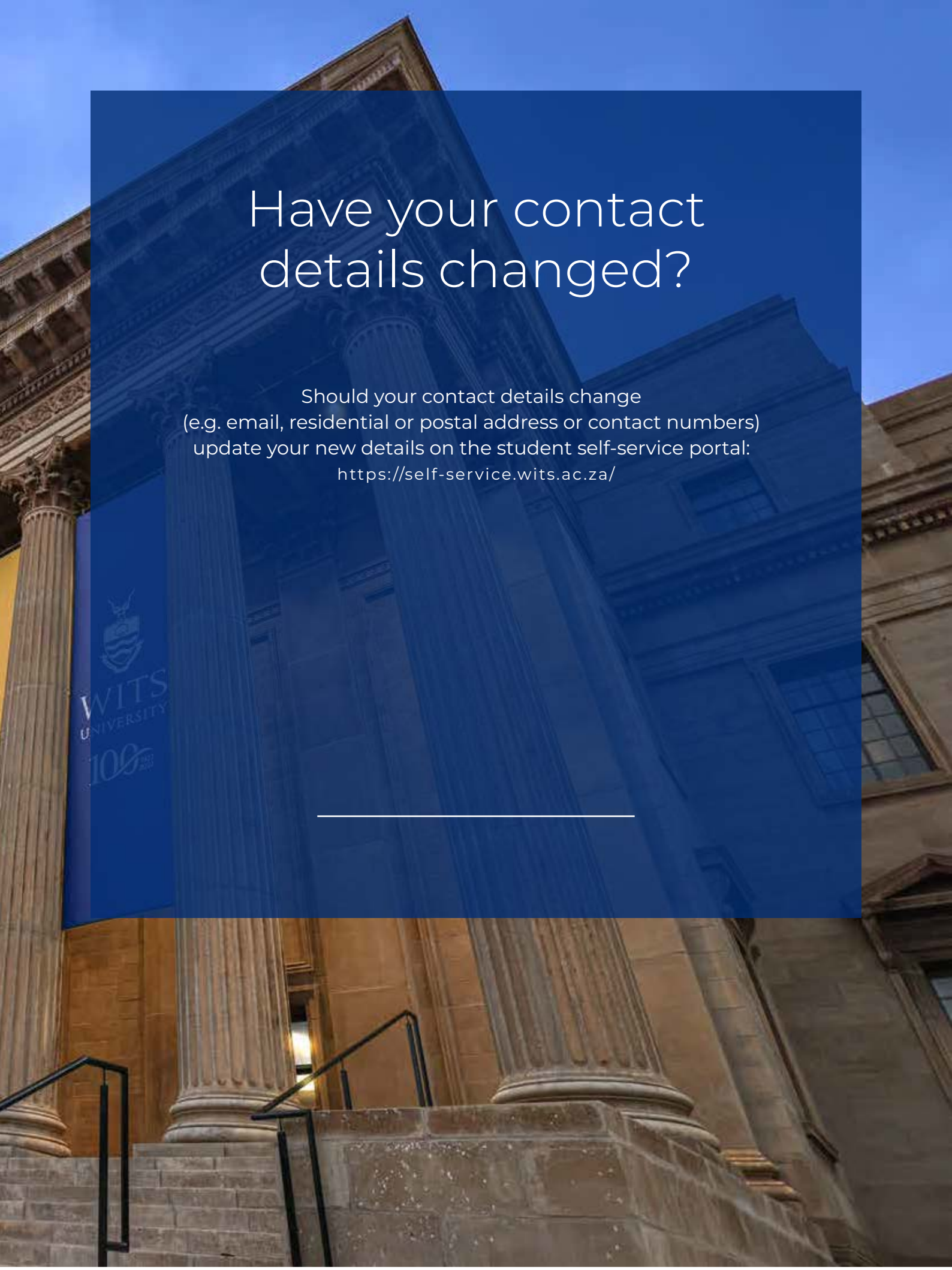
01 Do not submit a new application

02 Check with the Student Enrolment Centre (SEnC) if applications are still open for your new selection

03 Check the admission requirements

04 Email your Admissions Consultant

Contact SEnC on: +27 (0)11 717 1888 | www.wits.ac.za/askwits



Have your contact details changed?

Should your contact details change
(e.g. email, residential or postal address or contact numbers)
update your new details on the student self-service portal:
https://self-service.wits.ac.za/

Wits is a demographically

INTERNATIONAL STUDENTS OFFICE

The International Students Office (ISO) is the first port of call for international students and offers a wide range of services, including:

- Fielding of general enquiries from prospective and current international students;
- Advice on immigration compliance and advocacy;
- Advice on matric exemption requirements and application process;
- Managing the international clearance process at Wits.

The ISO complements the services provided by faculties and departments, as well as internal and external service providers to Wits.

The ISO is committed to ensuring that:

- Wits remains the preferred study destination for international students;
- Through our integration programmes, students from diverse cultures and backgrounds receive a high quality academic education, as well as enjoy an immersive and life-changing experience;
- Wits remains a highly sought-after university for international academic partnerships.

In cooperation with the Internationalisation and Strategic Partnerships Office (ISPO), the ISO facilitates, amongst other programmes, the '***Semester Study Abroad Programme***', creating opportunities for Wits students to study as well as to conduct research at partner universities abroad.

ISO contact details: **T**: +27 (0)11 717 1054 | **E**: studysa.international@wits.ac.za
For more information visit: www.wits.ac.za/internationalstudents/
www.facebook.com/WitsInternationalOffice
https://twitter.com/witsinternation

diverse University

INTERNATIONAL QUALIFICATIONS

Additional information

The Higher Education Act (101 of 1997) gives the University the autonomy to determine its admissions policy and the entry requirements for admission into all programmes.

Not all curricular are suitable for consideration into degree studies at Wits University. Whilst Universities South Africa (USAf) may issue a Certificate of Exemption, it is made clear that meeting the exemption requirement does not guarantee meeting the minimum faculty entry requirements of a Higher Education Institution.

Additionally, the University does not consider the outcome of assessments (e.g. SATs, NBTs, etc.) on their own to decide on admission to the University. The admission criteria take into consideration the combination of curriculum, pedagogy and assessment standards. As with all foreign qualifications, any curriculum developments (brought to the University's attention) are scrutinised by the academics in the faculties – and admissions criteria adjusted on the basis of this. Any advice provided to applicants at a given point in time is subject to change and admission to the University is not guaranteed for any applicant.

Applicants completing international qualifications are required to submit certified copies of all secondary school leaving results, as well as academic transcripts of all tertiary studies, whether these have been completed or not. Additionally, the syllabus for certain subjects, e.g. Mathematics and Physics may be necessary for consideration into a programme.

Applicants who have completed qualifications in a language other than English are required to submit copies of all original language documents, as well as sworn copies thereof translated into English. These applicants are also required to write the International English Language Testing System (IELTS) test.

Fees, Scholarships and Bursaries

Average tuition fees

All fees are due by 30 April 2024

E feesoffice.finance@wits.ac.za | **T** 011 717 1531

NOTE: At the time of going to print, the tuition fees for 2024 were not available. These are the approximate tuition fees for the first year of study in 2022. Fees may increase by approximately 4% or more. The approach for final fee determination is guided by DHET recommendations, which are yet to be finalised. Please note that the fees listed are for South African citizens only.

South African citizens will be expected to make a first payment prior to, or during enrolment, before being permitted to enrol at the University. Applicants will be informed of this in writing. This amount is offset against the fee account.

International applicants pay fees at the beginning of the year. All International applicants must pay 75% of the tuition fees and related costs at the time of registration. **The balance is to be paid by the end of May.**

Programmes	Fees
Commerce, Law and Management	
Bachelor of Accounting Science (BAccSc)	R53 740
Bachelor of Commerce (BCom)	R47 830-R53 940
Bachelor of Economic Science (BEconSc)	R47 310 - R48 910
Bachelor of Laws (LLB)	R42 140
Engineering and the Built Environment	
Bachelor of Architectural Studies (BAS)	R59 530
Bachelor of Engineering Science (Biomedical Engineering) (BEngSc(BME))	R58 200
Bachelor of Engineering Science (Digital Arts) (BEngSc(DA))	R51 650
Bachelor of Science (Engineering) (BSc(Eng)) depending on branch	R54 000
Bachelor of Science (Construction Studies) BSc(CS)	R75 240
BSc (Construction Studies) in the field of Property Studies BSc(CS)	R61 960
Bachelor of Science (Urban and Regional Planning) (BSc(URP))	R61 180
Health Sciences	
Bachelor of Clinical Medical Practice (BCMP)	R56 290
Bachelor of Dental Science (BDS)	R64 600
Bachelor of Health Sciences (BHSc)	R62 930
Bachelor of Nursing (BNurs)	R48 130
Bachelor of Pharmacy (BPharm)	R46 920
Bachelor of Oral Health Sciences (BOHSc)	R47 810
Bachelor of Science (Occupational Therapy) (BSc(OT))	R56 320
Bachelor of Science (Physiotherapy) (BSc(Physio))	R55 360
Bachelor of Medicine and Bachelor of Surgery (MBBCh)	R64 550
Humanities	
Bachelor of Arts (BA)	R43 220-R56 920
Bachelor of Arts (Digital Arts)	R47 440
Bachelor of Arts (Theatre and Performance)	R46 800
Bachelor of Arts, Film and TV (BAFT)	R47 600
Bachelor of Arts (Fine Arts)	R55 160
Bachelor of Music (BMus)	R47 760
Bachelor of Education (BEd)	R29 210-R39 140
Bachelor of Speech-Language Pathology	R53 470
Bachelor of Audiology	R53 470
Bachelor of Social Work	R51 870
Science	
Bachelor of Science (BSc)	R48 110-R59 310

Paying for your studies

When it comes to paying fees, there are various options open to you:

1. Self-funding
You can work before you study, to raise tuition fees. Another option is to work part-time while you study. But don't over-extend yourself and fail your courses as a result.

2. Parents/guardian/religious groups
Your parents or guardian may be able to help you with funding, or their employers may offer student bursaries. Many church groups and other religious organisations also offer bursaries to their members. Make enquiries early, to find out what's available to you.

3. A bank loan
Most major banks offer student loans at attractive interest rates. Bank loans usually cover the duration of study and must be repaid once you start working – or once you have graduated. Some banks offer a grace period to students who are completing internships, articles, or community service. Sometimes surety/security is required, which means that a relative, friend or sponsor must guarantee to repay the loan if you fail to do so. Visit a few local banks to find out what products they offer to students like you.

4. National Student Financial Aid Scheme (NSFAS)
The National Student Financial Aid Scheme (NSFAS) is a South African government student bursary scheme which provides funding for undergraduate and postgraduate1 students. To apply for this funding visit the NSFAS website on **www.nsfas.org.za.**

The rules differ according to the year of first registration at a tertiary institution. Students with a gross household income of R350 000 and below per annum are eligible for state funding which will be made available as a bursary, with conditions, if the student qualifies. The mechanism for this arrangement is administered by the National Student Financial Aid Scheme (NSFAS). This cohort of students will continue to be funded, provided they meet the academic requirement of 50% pass rate for the previous year and the student is within the N+1 rule. Students who apply and qualify for these bursaries will have to sign a contract with NSFAS, including academic requirements and service requirements. The actual cost of tuition and prescribed study materials will be covered and qualifying students may also be eligible for subsidised accommodation and living costs (including meals). Where meals are not included in the cost, there may be a separate allowance. You'll need to apply for the first fee postponement via the Self-Service Portal **https://self-service.wits.ac.za** to enable registration.

Keep in mind additional costs for essentials...

Summary of Student Average Monthly Expenses

Rent	Food	Transport / Parking	Study Material (books and stationery)	Mobile
R5,800	**R3,990**	**R1,500**	**R2,000**	**R400**

Extras you need to include in your monthly budget...

- **Clothing**
- **Entertainment**
- **Faculty Specific Expenses** *Especially Health Sciences*
- **Toiletries**
- **Medical**
- **Field Trips**
- **Recreation**

Student fees and funding

1. First-time entering undergraduate students

If you've been made a firm offer by Wits University, you must formally accept the offer and register within the specified deadlines if you wish to study at Wits. Once you do so, the first fee payment of R9340 is due. The first fee payment is applicable to South African citizens, Permanent Residents holders, and Refugees.

Students who cannot afford the first fee payment

If you find that you can't afford the first fee payment, please access the First Fee Payment option on the self-service portal at **https://self-service.wits.ac.za** and acknowledge that payment can only be made by 30 April 2024, by which time all fees should be settled in full. If you're still unable to pay, you will need to sign an Acknowledgement of Debt.

There are certain conditions under which you may not need to make the first fee payment. These include students with provisional NSFAS offers a students on full scholarships/bursaries.

2. International students

Do you have a valid visa?

- Full-time students: You'll need a Study visa that shows that you will be studying at the University of the Witwatersrand, Johannesburg.
- Part-time students: You'll need a Critical/General Work visa or an Intra-Company or Business visa permitting you to work in South Africa.
- Holders of Refugee Permits, Asylum-Seeker Permits and Diplomatic Visas: **Please visit the International Students Office website at www.wits.ac.za/internationalstudents/**

In general, here's what you will need to do:

- Ensure that you register within the registration time frame.
- Generate a fees quotation from the student self-service portal: https://self-service.wits.ac.za. Course codes can be obtained from the relevant faculty office.
- Pay 75% of the tuition fees and related costs before annual enrolment. (The remaining 25% must be paid by 31 May 2024).
- Once payment has been made, submit proof of payment to the Wits Fees Office, which will provide you with a Fees Clearance form.
- Note: If you are sponsored, your sponsorship letter must be vetted by the Financial Aid and Scholarships Office (FASO).
- Present your passport, relevant visa and proof of current SA medical aid membership to the International Students Office, to obtain clearance to register.



Student scholarships and bursaries

The University's Financial Aid and Scholarships Office (FASO) administers funds on behalf of the University, donors and sponsors. The office also provides information on student funding.

University Entrance Scholarships

- For Matriculants only
- Awards are calculated according to the Wits Admission Points Score (APS).
- Scholarships are for a maximum of **six subjects and exclude Life Orientation.**
    - APS of 51+ (R42 000)
    - APS 48-50 (R30 000)
    - APS 45-47 (R15 000)
    - APS 43-44 (R10 000)

Scholarship students are still eligible for NSFAS top-up funding. **Conditions:**

- No application is necessary as the award is given automatically.
- The scholarship is applicable for the year of registration.
- Students who took a gap year (limited to one year) must submit an affidavit or proof to the Financial Aid and Scholarships Office of what the student did during the gap year.

NB: Students cannot be awarded the Vice-Chancellor's Scholarship, the VC Equality Scholarship or Entrance Scholarship at the same time.

Sports Bursaries

Bursary awards are made possible by funding from the University itself and by the generosity of alumni, the business and non-profit communities and past Wits sports achievers. Applications for sports bursaries for the 2024 academic year open on 1 April 2023 and close on 31 August 2023. Please note that only online applications will be accepted.

If you have represented your province or South Africa in top-level sport and display the appropriate academic potential, you may be eligible for a Wits Sport Bursary.

Terms and conditions are outlined in the Wits Sport Bursary application form, which can be downloaded from: www.wits.ac.za/sport/sport-bursaries/

Applications must be received by 31 August.

Vice-Chancellor's Scholarship

For the ten most outstanding matriculants, this scholarship covers the tuition fees of a first undergraduate degree.

The scholarship is renewable for each year of the first undergraduate degree provided that academic performance is of a high standard. The award is automatically offered after registration. No application is required. **Criteria: Subjects are ranked as below:**

- English
- Mathematics
- Physical Sciences

And the next best three designated subjects are taken into consideration.

NB: Students are chosen on the first submission of the matric results obtained from the Department of Education. No re-marks are considered for this scholarship. Students cannot be awarded the Vice-Chancellor's Scholarship, the VC Equality Scholarship or Entrance Scholarship at the same time.

Vice-Chancellor's Equality Scholarship

This scholarship targets the top ten performing students in Quintile 1 and 2 schools, who have performed outstandingly in their Matric year and who have been offered a place at the University. The scholarship covers tuition fees and accommodation fees, and is renewable for each year of the first undergraduate degree provided that academic performance is of a high standard. The award is automatically offered after registration. No application is required. **Criteria: Subjects are ranked as follows:**

- English
- Mathematics
- Physical Sciences, and
- the next best three designated subjects are taken into consideration.

NB: Students are chosen on the first submission of the matric results obtained from the Department of Education. No remarks are considered for this scholarship.

National Olympiad Winners

Applies to Maths and English Olympiad writers only:

- R20 000 for winners
- R8 000 for top 10 runners up

Students must provide the Financial Aid and Scholarships Office (FASO) with a certified copy of their Olympiad certificate.

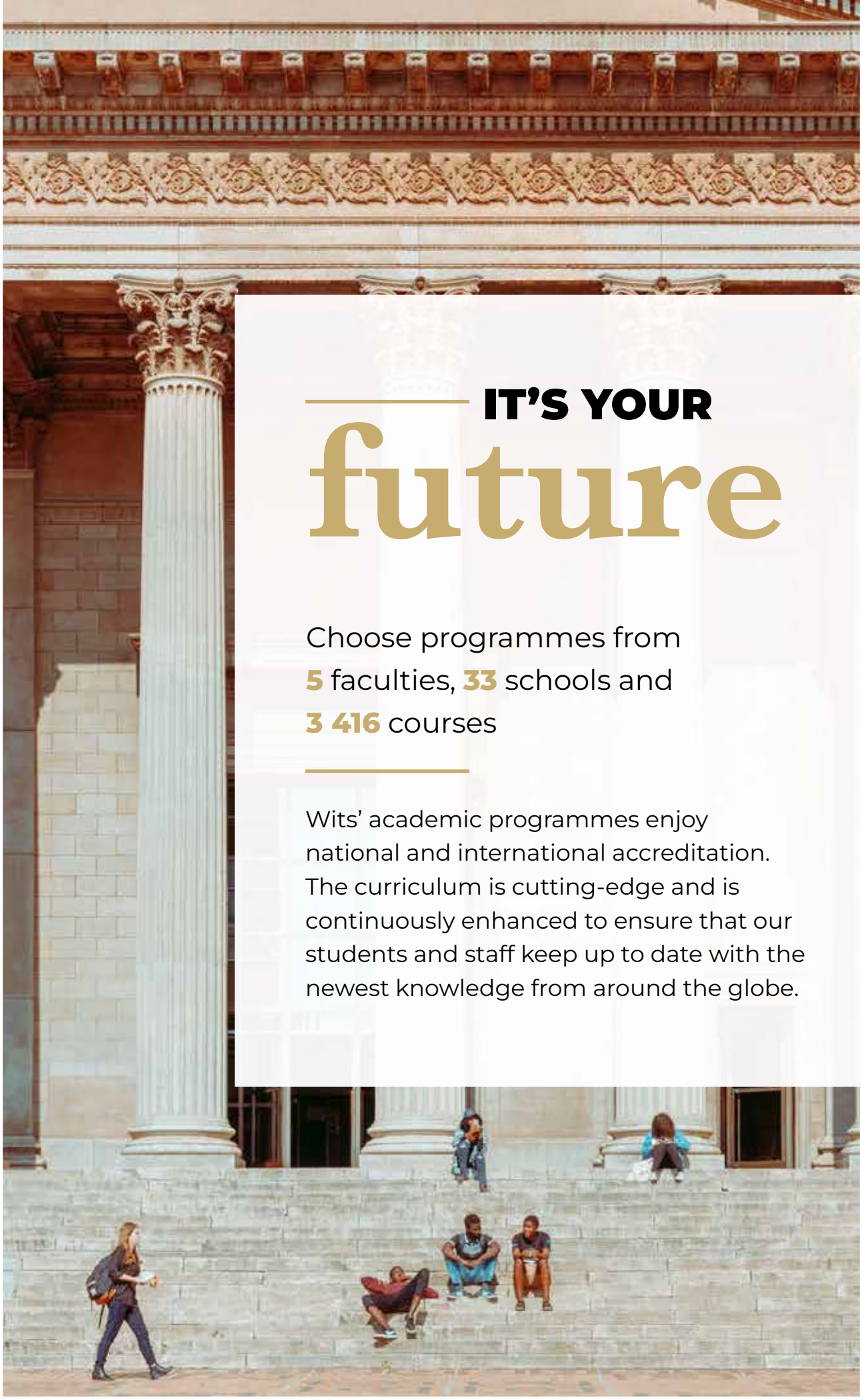
Foreign Results

South African students who have completed a foreign qualification such as an A Level, AS Level, IB or German Abitur, may be eligible for recognition of distinctions achieved in these qualifications. The award is up to a maximum of R30 000. Academically excellent applicants with foreign school-leaving qualifications may also apply on an ad hoc basis.

IMPORTANT:
If a student receives an external bursary that is more than the maximum allocation of R155 000, regardless of the source, the student will be required to return sponsorship funding. This is to enable the University to assist other Wits students. Please also note that all Wits awards will be cancelled and forfeited if a student deregisters.

For **Career Guidance** answer the career questionnaire on:

www.gostudy.net/wits



IT'S YOUR
future

Choose programmes from
5 faculties, **33** schools and
3 416 courses

Wits' academic programmes enjoy national and international accreditation. The curriculum is cutting-edge and is continuously enhanced to ensure that our students and staff keep up to date with the newest knowledge from around the globe.

5 Faculties

Commerce, Law and Management

www.wits.ac.za/clm/


pg. 38

The Faculty of Commerce, Law and Management (CLM) offers world-class educational programmes that equip future leaders with business, management and legal skills, while supporting your professional development

We offer a wide range of undergraduate qualifications through the:

- School of Business Sciences
- School of Accountancy
- School of Economics and Finance
- School of Law

Our programmes include the Bachelor of Commerce (BCom) with flexible major combinations and more specialised degrees, like:

- Bachelor of Commerce (Accounting)
- Bachelor of Commerce (Information Systems)
- Bachelor of Commerce (Politics, Philosophy and Economics)
- Bachelor of Commerce with Law
  - Two-year stream LLB
  - Three-year stream LLB
  - Four-year stream LLB
- Bachelor of Accounting Science (Chartered Accountant (CA) stream)
- Bachelor of Economic Science

Engineering and the Built Environment

www.wits.ac.za/ebe/


pg. 56

Degrees offered through the Faculty of Engineering and the Built Environment address South Africa's social, spatial and infrastructural needs and include architecture, urban and regional planning, property studies and construction studies.

This Faculty comprises seven Schools:

- Chemical and Metallurgical Engineering
- Civil and Environmental Engineering
- Electrical and Information Engineering
- Mechanical, Industrial and Aeronautical Engineering
- Mining Engineering
- Architecture and Planning
- Construction Economics and Management

We offer a range of undergraduate programmes, including:

- Engineering, in a range of fields
- Biomedical Engineering (within Electrical Engineering)
- Digital Arts (within Electrical and Information Engineering)
- Architecture
- Urban and Regional Planning
- Construction Studies
- Property Studies

All admission criteria, as well as curricular are subject to change.

Health Sciences

www.wits.ac.za/health/


pg. 75

The Faculty of Health Sciences pioneers African and global research that improves and saves lives.

- Bachelor of Health Sciences
  - Biokinetics
  - Biomedical Sciences
  - Health Systems Sciences

Degrees also offered in:

- Clinical Medical Practice
- Dentistry
- Medicine
- Nursing
- Occupational Therapy
- Pharmacy
- Physiotherapy
- Oral Health Sciences (Oral Hygiene)

You will receive academic and practical training at five major hospitals in Johannesburg, at several clinics and rural hospitals in Gauteng and at the Donald Gordon Medical Centre, which also assists clinicians with all aspects of their clinical research. More than 500 students graduate from our faculty every year.

Humanities

www.wits.ac.za/humanities/


pg. 92

The Faculty of Humanities is among Africa's leading centres of study in the Arts, Social Sciences, Human and Community Development, Education and Literature and Media. Choose between vocationally oriented programmes for specific careers and theory and research-oriented programmes for careers in academia and research institutes, the public and private sectors and non-governmental organisations.

Three schools in the Faculty of Humanities offer professional (vocational) programmes

- **Wits School of Arts (WSoA):**
  Digital Arts; Theatre and Performance; Film and Televsion; Fine Arts and Music
- **Wits School of Education (WSoE):**
  Foundation Phase Teaching; Intermediate Phase Teaching; Senior Phase and Further Education and Training Teaching
- **School of Human and Community Development (SHCD):**
  Speech-Language Pathology; Audiology; Social Work

Science

www.wits.ac.za/science/


pg. 115

The Faculty of Science has a long tradition of excellence in teaching and research. Studying science opens doors to careers in fields like research, chemistry and biotechnology.

There are nine Schools in the Faculty, clustered into four groupings:

- **Mathematical Sciences:**
  Actuarial Sciences; Statistics; Computational and Applied Mathematics; Computer Science; Mathematics; Mathematical Sciences
- **Physical Sciences:**
  Physical Science; Chemistry with Chemical Engineering; Material Science; Astronomy and Astrophysics
- **Earth Sciences:**
  Geographical and Archaeological Sciences; Geospatial Science; Geological Science; Environmental Science
- **Biological Sciences:**
  Biodiversity; Ecology and Conservation; Organismal Biology; Applied Bioinformatics; Biochemistry and Cell Biology; Genetics and Development Biology; Microbiology and Biotechnology

Message FROM THE DEAN

FACULTY OF COMMERCE, LAW AND MANAGEMENT

Wits gives you the advantage of being in the economic, the political and the technological hub of the country. There is no better place to advance your studies in law, economics, commerce, and accountancy. Being on the doorstep of where the major accounting firms, law firms and business have their headquarters, you will be inspired to make your mark and continue the proud tradition of our influential alumni. Backed by world-class research and high-quality teaching, Wits will prepare you as critical thinkers, as problem solvers capable of putting knowledge into practice, and as individuals who are socially responsible. Being able to study at Wits, a top University on the African continent, will give you power to influence the future of this country, to find solutions to local and global challenges and build a stronger society.

PROFESSOR JASON COHEN

Accreditation

The Wits School of Accountancy has, as Level 1 accreditation status, the highest level of accreditation awarded by the South African Institute of Chartered Accountants (SAICA)

Faculty of COMMERCE, LAW and MANAGEMENT

Wits' academic programmes enjoy national and international accreditation. The curriculum is cutting-edge and is continuously enhanced to ensure that our students and staff keep up to date with the newest knowledge from around the globe.

CHOOSE YOUR Programme

HOW TO STRUCTURE YOUR **BCOM** DEGREE

1st YEAR

compulsory

Economics IA
Economics IB
OR
Economic Theory IA
Economic Theory IB
AND
Accounting I
AND
Computational Mathematics
Business Statistics
AND
Fundamentals
of Information Systems
Commercial Law

2nd YEAR

choose your majors

Potential Major
(Second year level)
AND
Potential Major
(Second year level)
AND
Potential Major
(Second year level)

3rd YEAR

choose your majors

Major 1
(Third year level)
AND
Major 2
(Third year level)

First things first

The Wits BCom (refer to Page 44) includes compulsory first year courses that build foundational knowledge in Economics, Accounting, Commercial Law, Information Systems and Introductory Mathematics and Business Statistics. These courses prepare you for a career in the commercial and related sectors of any economy.

You can either take them as full-year courses across both semesters of the academic year, or as semester courses in the first or second semesters. In some cases, you must pass one course before proceeding to another.

Two or three majors?

The Wits BCom is a double major degree, which means you need to complete at least two full majors. But, in your second year, you can choose courses or modules that lead to three potential majors.

By choosing three majors in your second year, you can start exploring areas of interest in more depth, but make a final decision later.

You must have at least one major from Commerce, Law and Management (CLM); your second major could be from another faculty, like Science or Humanities. However, many students take both majors from disciplines offered within CLM.

Still deciding? Go General

One of the great benefits of a Wits BCom General degree is that you don't have to commit to your major choices in first year. Even if you choose one of the more specialised BCom degrees (e.g. BCom Law or BCom PPE), you can easily move between degrees if you change your mind later.

From second year onwards, BCom General students select their majors from either:

Economics, Finance, Information Systems, Insurance and Risk Management, Human Resource Management, Marketing and Management;

Courses offered in the School of Accountancy (i.e. Auditing, Taxation and Management Accounting); or

Selected approved majors from other faculties. (Refer to Pages 41-43)

Faculty officers can advise you on your options at registration or during the year.

FLEXIBLE **MAJOR** COMBINATIONS

Create a BCom degree that suits your career goals with our guided major combinations.

Economics

Do you have a flair for problem-solving, reasoning and analysis? Are you fascinated by how money makes the world go around? A career in Economics might be for you.

WHAT IS ECONOMICS?

Economics is the study of how, where and why money and resources are produced, spent and allocated by governments and businesses and how this affects individuals. When you hear discussions about unemployment, monetary policy, budget deficit and inflation, chances are an economist is involved. Since all businesses, organisations and citizens are affected by local and global economies, every commerce graduate must complete at least one year of study in Economics.

MAJOR COMBINATIONS

· Finance · Information Systems · Insurance and Risk Management · Law · Management OR Politics OR
· Philosophy as part of a BCom(PPE)

CAREERS IN ECONOMICS

· Analyst · Chief Executive Officer · Chief Investment Officer · Economic Consultant · Economist · Investment Analyst · Investment Banker · Journalist · Manager · Political Advisor or 'Lobbyist' · Policy Analyst · Politician · Researcher

Finance

Are you analytical and skilled at problem-solving and planning? Are you good with numbers and have you always been money-savvy? Consider a major in Finance.

WHAT IS FINANCE?

Finance is the science of managing money. This involves two broadly related activities:

- The management of money by businesses (corporate finance), government (public finance) and individuals (personal finance); and
- The process of acquiring the funds needed to operate successfully.

Finance is the engine of all economies and stock markets and is central to their success (or failure). Some of the topics you will study include investments, equity and debt, assets and liabilities, credit, mergers and acquisitions, dividend policy, initial public offerings (IPOs) and financial regulations and decision-making.

MAJOR COMBINATIONS

· Economics · Information Systems · Insurance and Risk Management · Law · Management

CAREERS IN FINANCE

· Chief Executive Officer · Chief Financial Officer · Chief Investment Officer · Financial Advisor · Financial Journalist · Financial Risk Manager · Investment Analyst · Investment Banker · Merchant Banker · Portfolio Manager · Public Sector Consultant · Stock Broker

Human Resource Management

Are you a great communicator who relates well to people? Do you have excellent problem-solving skills, with the ability to 'see both sides'? Studying Human Resource Management may be a great choice for you.

WHAT IS HUMAN RESOURCE MANAGEMENT?

Human Resource Management (HRM) involves managing people within organisations to optimise their performance. HRM studies focus on people-related policies and systems. They are also concerned with change in organisations and industrial relations, such as recruitment, talent management, employee development and motivation and compensation.

MAJOR COMBINATIONS

· Management · Psychology · Law · Information Systems · Economics · Marketing

CAREERS IN HUMAN RESOURCE MANAGEMENT

· Consulting · Human Resource Management · Industrial Relations Management · Management · Negotiations
· Recruitment and Talent Management · Strategic Planning · Training and Development

Information Systems

Are you fascinated by the relationship between technology, people, organisations and societies? Are you the first to download and use the latest app? Do you enjoy solving real-world problems? Information Systems might be the career path for you.

WHAT IS INFORMATION SYSTEMS?

Information Systems (IS) enable individuals, organisations and society to gather, store, organise, protect, retrieve, share and analyse information. Though technologies play a vital part in these systems, IS studies also focus on systems design in their entirety. This is how IS differs from information technology (IT) or computer science, which only study the technology components.

IS professionals work in all sectors of the economy, including large organisations.

MAJOR COMBINATIONS

· Finance · Marketing · Computer Science · Management · Economics · Law · Psychology

CAREERS IN INFORMATION SYSTEMS

· Application Developer · Business Analyst · Change Manager · Chief Information Officer · IT Auditor · IT Consultant
· Project Manager · Systems Analyst · Technology Architect · UX/UI Designer

Insurance and Risk Management

Does risk management and the probability of disaster fascinate you? Are you analytical and focused, with good attention to detail? A career in insurance and risk management might be for you.

WHAT IS INSURANCE AND RISK MANAGEMENT?

Insurance is how companies and individuals protect themselves against the risk of loss and against loss itself. This may involve property, life, health, or income. Insurance is a form of risk management.

Risk management refers to the way in which risks are identified, assessed and prioritised and the means used to minimise, monitor and control the threat posed by unpredictable events.

MAJOR COMBINATIONS

· Economics · Finance · Law · Management

CAREERS IN INSURANCE AND RISK MANAGEMENT

· Appraiser · Asset Manager · Claims Adjustor · Compliance Officer · Insurance Analyst · Insurance Broker
· Financial Advisor · Sales Representative · Underwriter

Wits offers professional development in this field outside of actuarial science studies. There is a high demand for graduates with insurance and risk management knowledge in senior management positions within this industry.

Management

Do you have a flair for planning, organising and teamwork? Are you an effective communicator who can motivate others? Do you see yourself leading a Fortune 500 company, or as South Africa's next successful entrepreneur? If so, consider majoring in Management.

WHAT IS MANAGEMENT?

Management studies how organisations – be they businesses, government bodies, or non-profit organisations – are run and administrated. Topics covered include: leadership and the role of managers; managing individuals, groups and teams; organisational development and behaviour; project management and strategic management; and the theory and practice of entrepreneurship and new venture creation.

Those with an entrepreneurial flair may start their own businesses, or become small business advisors or business consultants.

MAJOR COMBINATIONS

You can choose from almost any discipline, because most graduates eventually move into leadership positions in their careers.

CAREERS IN MANAGEMENT

· Compliance Manager · Manager in Public Works and Health · Manager in Tourism · Marketing Manager
· Operations Manager · Project Manager · Strategic Planning Director · Training Manager
Top Management posts include:
· Chief Executive Officer · Chief Operating Officer · Company President · General Manager · Managing Director

Marketing

Are you fascinated by trends and why certain brands are more successful than others? Do you ever wonder what makes last season's 'must-haves' suddenly 'so last year'? Would you love to shape the world's consumer desires? Marketing could be your dream career.

WHAT IS MARKETING?

The role of marketing in business is to build brand profiles and persuade people to buy products. Technology, travel, entertainment, services, apps and games - even your favourite musician or sports team - all of these are marketed.

Marketing includes the creation and design of images and products (branding), advertising, demand creation and management, public relations and digital marketing.

MAJOR COMBINATIONS

· Management · Information Systems · Psychology · Finance · Economics · Human Resource Management

CAREERS IN MARKETING

· Advertising Manager · Brand Manager · Events Manager · Market Research Manager · Project Manager
· Promotions Manager · Public Relations Manager · Sales Manager

Bachelor of Commerce (General)

Bachelor of Commerce (General)
CBA00
Duration: 3 years

NSC REQUIREMENTS
APS 38+
English Home Language OR First Additional Language Level 5
Mathematics Level 5
Waitlisting
Applicants with an APS of 35-37, as well as English Level 5 and Mathematics Level 5, will be wait-listed subject to place availability.
International Qualifications: Page 15

Closing Date: 30 September
** Students who major in one or more of the following courses must take note that they need to pick up extra credits to meet the minimum number of 432 credits to qualify: Accounting III, Management Accounting and Finance III, Taxation III, Auditing III, and Audit and Assurance III.*

Invest in your future with a Wits BCom. Establish a strong knowledge foundation, build your intellectual capital and take the first step towards future-proofing your career.

Associated with one of the highest graduate employment rates in the country, a Wits BCom makes you highly sought-after, both locally and internationally.

CAREERS

· Chartered Certified Accountant · Chartered Financial Analyst · Internal Auditor · Management Accountant
· Management Consultant · Professional Accountant

First year

· Accounting I
· Computational Mathematics I
· Business Statistics I
· Commercial Law I
· Economics IA (Microeconomics)
· Economics IB (Macroeconomics)
OR
· Economic Theory IA (Microeconomics for Economists)
· Economic Theory IB (Macroeconomics for Economists)
AND, one of the following:
· Information Systems IA
OR
· Fundamentals of Information Systems

Second year

· Economics and Finance
· Economics and Management
· Finance and Management
· Finance and Insurance and Risk Management
· Insurance and Risk Management and Management
· Marketing and Management
· Marketing and Human Resources Management
· Human Resource Management and Management

Third year

· Economics and Finance
· Economics and Management
· Finance and Management
· Finance and Insurance and Risk Management
· Insurance and Risk Management and Management
· Marketing and Management
· Marketing and Human Resources Management
· Human Resource Management and Management

Accounting

Bachelor of Commerce (Accounting)

CBA14
Duration: 3 years

NSC REQUIREMENTS

APS 38+
English Home Language OR First Additional Language Level 5
Mathematics Level 5
Waitlisting
Applicants with an APS of 35-37, as well as English 5 and Mathematics 5, will be wait-listed subject to place availability.
International Qualifications: Page 15

Closing Date: 30 September

The three-year, full-time BCom Accounting programme includes compulsory and elective courses.

The choice of courses within the BCom Accounting programme allows you to tailor your degree to meet your career aspirations. With this degree, you can become a chartered financial analyst (CFA) in the USA or SA, a professional accountant registered with the South African Institute of Professional Accountants (SAIPA), a management accountant registered with the Chartered Institute of Management Accountants (CIMA), a certified internal auditor (CIA) or a chartered certified accountant registered with the Association of Chartered Certified Accountants (ACCA).

If you want to pursue the ACCA qualification, please refer to the admission requirements for the Postgraduate Diploma in Specialised Accountancy.

CAREERS

- Chartered Certified Accountant · Chartered Financial Analyst · Internal Auditor · Management Accountant
- Management Consultant · Professional Accountant

PROGRAMME OUTLINE

First year

- Accounting I
- Economics IA (Microeconomics)
- Economics IB (Macroeconomics)
- Commercial Law I
- Computational Mathematics I
- Business Statistics I
- Fundamentals of Information Systems
- Information Systems IA

Second year

- Accounting II
- Management Accounting and Finance II
- Taxation II
- Auditing II
- Business Enterprise Law
- Mercantile Law
- Information Systems Data Analytics II

A total of 24 credits must be taken from:
- Human Resources IIA
- Principles of Marketing
- Consumer Behaviour
- Economics IIA

Third year

A minimum total of 120 credits must be taken from the following courses-provided that you have satisfied the prerequisite courses. In order to qualify for the Bachelor of Commerce in the field of Accounting it is important to note that Accounting III must be completed.

- Accounting III
- Management Accounting and Finance III
- Taxation IIIB
- Auditing III **OR** Audit and Assurance III

Accounting Science

Bachelor of Accounting Science

CBA08
Duration: 3 years

NSC REQUIREMENTS
APS 44+
English Home Language OR First Additional Language Level 5
Mathematics Level 6
Waitlisting
Applicants with an APS of 39-43, as well as English Level 6 and Mathematics Level 6, will be wait-listed subject to place availability.
International Qualifications: Page 15

Closing Date: 30 September

The Bachelor of Accounting Science (BAccSc) degree prepares you for the qualification as a Chartered Accountant. The programme includes four core areas of study: Management Accounting and Finance, Financial Accounting, Auditing and Taxation. You will also take introductory courses in Economics, Commercial Law, Mathematics and Statistics and Accounting Information Systems.

The curriculum is fully compliant with international accounting education requirements, as well as those of the following boards:

- South African Institute of Chartered Accountants (SAICA)
- Public Accountants and Auditors Board (PAAB)
- International Federation of Accountants (IFAC)

Once you've completed your BAccSc, you will need to complete a Higher Diploma in Accounting (HDipAcc), which is a one-year, full-time postgraduate programme. If you successfully complete the HDipAcc, you will be eligible to write the SAICA qualifying exams (otherwise known as Board Exams).

The exams are written in two parts and you will need to complete a three-year training contract in the accountancy profession (Training in Public Practice) or in commerce and industry (Training Outside Public Practice). After writing your first exam, you will need to choose a specialist course in either Financial Management or Auditing. You will then write the second qualifying exam. Once you have successfully completed both exams, you will be eligible to register as a chartered accountant with SAICA.

CAREERS

· Chartered Accountant · Fund Manager · Internal Auditor · Tax Specialist

PROGRAMME OUTLINE

First year

· Accounting Information Systems
· Financial Accounting I
· Economics IA (Microeconomics)
· Economics IB (Macroeconomics)
· Commercial Law I
· Computational Mathematics I
· Business Statistics I

Second year

· Financial Accounting II
· Management Accounting and Finance II
· Taxation II
· Auditing II
· Business Enterprise Law
· Mercantile Law
· Information Systems Data Analytics II

Third year

· Financial Accounting III
· Management Accounting and Finance III
· Taxation III
· Auditing III

BCom (Law)

Bachelor of Commerce (Law)

CBA13
Duration: 3 years

NSC REQUIREMENTS
APS 43+
English Home Language OR
First Additional Language Level 5
Mathematics Level 5
Waitlisting
Applicants with an APS of 35-42, as well as English Level 6 and Mathematics Level 6, will be wait-listed subject to place availability.
International Qualifications: Page 15

Closing Date: 30 September

If you are interested in a specific field in business but also want a background in law, the specialised BCom Law degree is a good option.

PROGRAMME OUTLINE

First year

- Introduction to Law
- Law of Persons
- Economics IA (Microeconomics)
- Economics IB (Macroeconomics)

OR

- Economic Theory IA (Microeconomics for Economists)
- Economic Theory IB (Macroeconomics for Economists)

AND

- Computational Mathematics I
- Business Statistics I

- Fundamentals of Information Systems

OR

- Information Systems IA

Second year

- Family Law
- Constitutional Law
- Constitutional Law: Bill of Rights

A total of 72 credits must be taken from the following courses: At least 48 credits must make up the second year level of your second major.

- Corporate Finance II
- Investment II
- Principles of Management IIA
- Principles of Management IIB (Entrepreneurship)
- Economics IIA
- Economics IIB
- Consumer Behaviour
- Principles of Marketing
- Integrated Marketing Communications
- Retail Management
- Human Resources IIA
- Human Resources IIB (Labour relations)
- Insurance and Risk Management IIA
- Insurance and Risk Management IIB
- Information Systems IIA
- Information Systems IIB

Third year

- Criminal Law
- Delict
- Jurisprudence

A total of 72 credits must be taken from the following courses provided you have done the equivalent in the second year of study:

- Investment and Corporate Finance III
- Operations Management
- Project Management
- Innovation and Intrapreneurship Management
- Strategic Management
- Economic Science III

OR

- Economic Theory III

OR

- Applied Development Economics III
- Insurance and Risk Management III
- Marketing IIIA
- Marketing IIIB
- Compensation and Benefits
- Human Resources and Individual Performance
- Human Resources and Organisational Performance
- Organisational Theory
- Management and Application of Information Systems
- Information Systems Development Project

Economic Science

Bachelor of Economic Science

CBA05
Duration: 3 years

NSC REQUIREMENTS
APS 42+
English Home Language OR
First Additional Language Level 5
Mathematics Level 6
Waitlisting
Applicants with an APS of 39-41, as well as English Level 5 and Mathematics Level 7, will be wait-listed, subject to place availability. Applicants interested in Actuarial Science require Mathematics Level 7 and English Level 6.
International Qualifications: Page 15

Closing Date: 30 September

The Bachelor of Economic Science (BEconSc) is a mathematically focused degree with majors in Economics and Mathematical Science.

The BEconSc is a specialist degree that builds strong analytical abilities for graduates wishing to work in fields like economics, actuarial science, or other business and data analytics fields.

You can choose to major in Mathematical Science from Actuarial Science, Computational and Applied Mathematics, Computer Science, Mathematics and Mathematical Statistics.

The entrance requirements for the BEconSc degree are higher than those for the BCom. You should only consider it if you have a strong mathematical ability.

CAREERS

- Actuary
- Budget Analyst
- Economist
- Field Marketing Associate
- Financial Analyst
- Industry Analyst
- Management Consultant
- Policy Analyst
- Statistician

PROGRAMME OUTLINE

First year

- Business Accounting I
- Economic Theory IA (Microeconomics for Economists)
- Economic Theory IB (Macroeconomics for Economists)
- Algebra I
- Calculus I

AND, one of the following groups:

- Mathematical Methods and Modelling I
- Mechanics I
- Scientific Computing I

OR

- Basic Computer Organisation
- Discrete Computational Structures
- Introduction to Algorithms and Programming
- Introduction to Data Structures and Algorithms

OR

- Actuarial Science I

AND

- Mathematical Statistics I

Second year

- Economics IIA and IIB

AND

- Basic Analysis II
- Multivariable Calculus
- Abstract Mathematics
- Linear Algebra II
- Transition to Abstract Mathematics II
- Introduction to Mathematical Statistics

AND, one of the following groups:

- Computational and Applied Mathematics II

OR

- Database Fundamentals II
- Mobile Computing II
- Computer Networks II
- Analysis of Algorithms II

OR

- Mathematical Statistics II

OR

- Actuarial Science II

Third year

- Economic Science III

AND, one of the following groups provided you have done the equivalent in the second year of study and complied with the pre- and co-requisite courses

- Computational and Applied Maths III

OR

- Software Engineering III

OR

- Software Design III
- Mechanics I
- Scientific Computing I

OR

- Basic Computer Organisation
- Discrete Computational Structures
- Formal Languages and Automata III
- Advanced Analysis of Algorithms III
- Operating Systems and System Programming

OR

- Number Theory III

OR

- Topology III

AND

- Group Theory III

AND

- Intermediate Analysis III

AND

- Coding and Cryptography III

OR

- Real Analysis III

AND

- Differential Geometry III

OR

- Leontief Systems III

AND

- Complex Analysis III

OR

- Leontief Systems III
- Group Theory III
- Real Analysis III
- Complex Analysis III

OR

- Multivariate Data Analytics III
- Risk Theory III
- Statistical Elements of Machine Learning III
- Stochastic Processes III
- Survival Analysis III
- Time Series III

OR

- Computers and Communications for Actuaries III
- Life Contingencies III
- Actuarial Economics III
- Actuarial Reserving Techniques III

Information Systems

Bachelor of Commerce (Information Systems)

CBA10
Duration: 3 years

NSC REQUIREMENTS
APS 38+
English Home Language OR
First Additional Language Level 5
Mathematics Level 5
Waitlisting
Applicants with an APS of 35-37, as well as English Level 5 and Mathematics Level 5, will be wait-listed, subject to place availability.
International Qualifications: Page 15

Closing Date: 30 September

The pervasiveness of technology in the knowledge economy has resulted in increasing demand for professionals with a unique blend of analytical, technical, business and communication skills.

Information Systems are systems that allow individuals, organisations and societies to gather, store, organise, protect, retrieve, share and make sense of the information in their environments.

In Information Systems, we study what happens when technologies, people, organisations and societies interact. Technology now lies at the heart of a dynamic, information and knowledge-driven world that needs people to point the way, people who "get it". Our analysts solve "real world" problems, using technology to build systems that allow for quicker and smarter responses to changes in dynamic and complex environments.

It is important to note that we focus on the design of end-to-end solutions of which technology may be an element and not only on technology for the sake of technology. This is what differentiates us from other disciplines such as Information Technology (IT), Computer Science and Software Engineering.

CAREERS

The analytical, technical, business and communication skills gained through the BCom with specialisation in IS can lead to a wide range of career choices, including: Business Analyst, Systems Analyst, Consultant, Analyst Programmer, Application Developer, Technology Architect, Database Administrator, UX/UI Designer, IT Auditor, Project Manager, Change Manager, Chief Information Officer.

We regularly supply graduates to major professional services and banking organisations, including ABSA, Accenture, BCG, Deloitte, EY, First National Bank, Investec, Nedbank, PWC, Rand Merchant Bank and Standard Bank; technology organisations, including Amazon, Facebook, Google, Oracle and SAP; and telecommunications organisations, including Telkom, MTN and Vodacom. We also have many graduates working internationally.

PROGRAMME OUTLINE

First year

- Information Systems IA and IB
- Accounting I
- Computational Mathematics I
- Business Statistics I
- Economic IA (Microeconomics)
- Economics IB (Macroeconomics)

OR

- Economic Theory IA (Microeconomics for Economists)
- Economics Theory IB (Macroeconomics for Economists)

Second year

- Information Systems IIA and IIB

A total of 72 credits must be taken from the following courses. At least 48 of these credits must make up the Second year level of your second major. Students who wish to pursue a second major in Computer Science must be aware of the prerequisite requirements for this course.

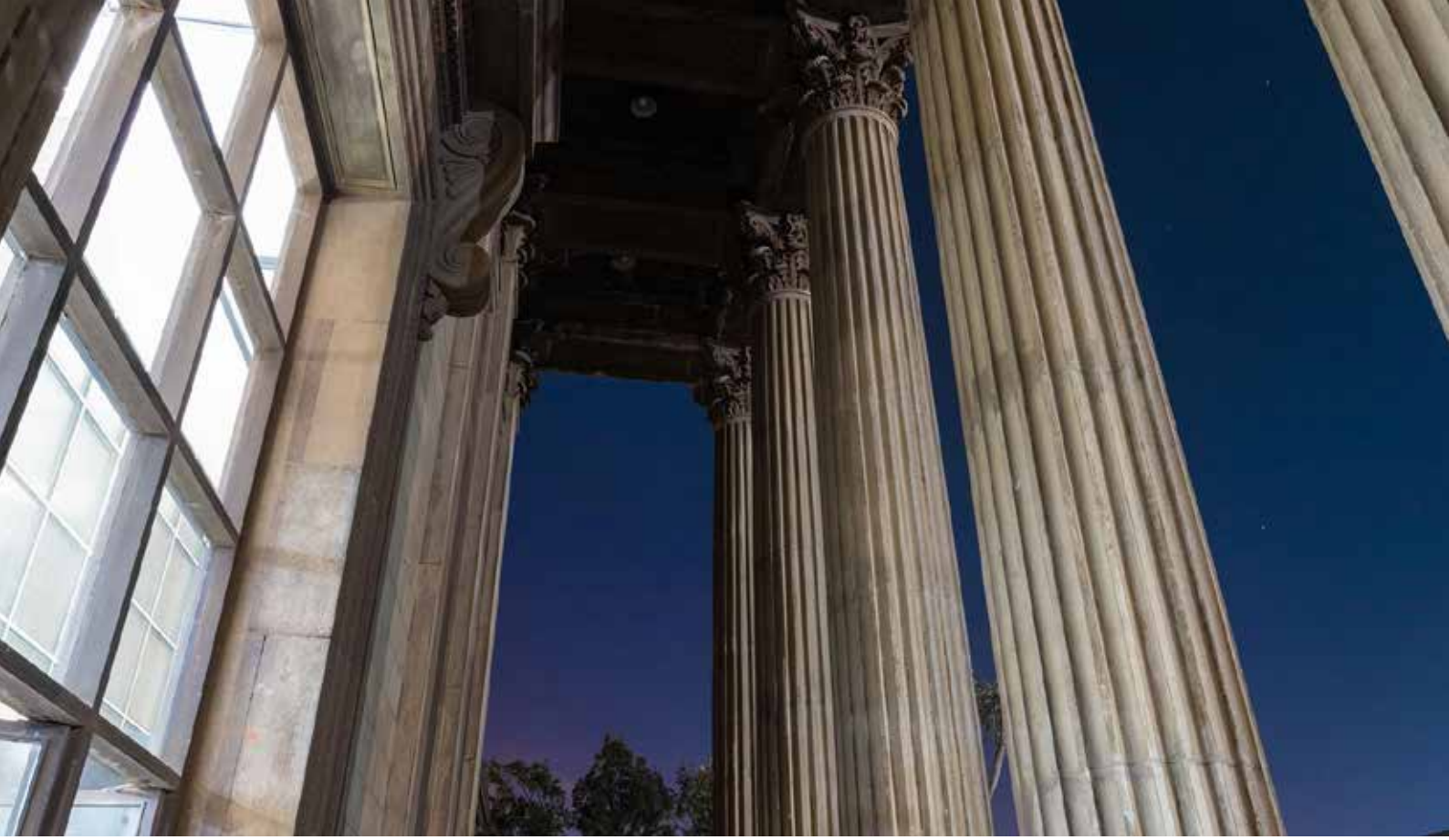
- Corporate Finance II
- Investment II
- Economics IIA **AND** IIB
- Consumer Behaviour
- Principles of Marketing
- Integrated Marketing Communications
- Retail Management
- Insurance and Risk Management IIA **AND** IIB
- Human Resources IIA
- Human Resources IIB (Labour Relations)

Third year

- Management **AND** Application of Information Systems
- Information Systems Development Project

A total of 72 credits must be taken from the following courses:

- Investment and Corporate Finance III
- Economic Science III
- Economic Theory III
- Applied Development Economics III
- Marketing IIIA and IIIB
- Operations Management
- Project Management
- Innovation and Intrapreneurship Management
- Strategic Management
- Insurance and Risk Management III
- Compensation and Benefits
- Human Resource and Individual Performance
- Human Resources and Organisational Performance
- Organisational Theory



Politics, Philosophy and Economics

Bachelor of Commerce (Politics, Philosophy and Economics)
CBA12
Duration: 3 years

NSC REQUIREMENTS
APS 38+
English Home Language OR First Additional Language Level 5
Mathematics Level 5
Waitlisting
Applicants with an APS of 35-37, as well as English Level 5 and Mathematics Level 5, will be wait-listed subject to place availability.
International Qualifications: Page 15

Closing Date: 30 September

The Politics, Philosophy and Economics BCom(PPE) specialisation gives you a broad and deep understanding of the world, as well as a wide range of thinking skills required for high-level engagement.

Specialising in PPE gives you an understanding of political, philosophical and economic ideas; the nature of political institutions; political processes and decision-making; how economic systems work; the causes of poverty and wealth; and how to promote development.

In the first year, you will take Economics, Politics and Philosophy, as well as a selection of general BCom first year subjects. From second to third year level, you will continue to major in Economics and either Politics or Philosophy.

You can choose to do a BA(PPE) or to take Politics or Philosophy as part of a general BCom degree.

CAREERS

· Academia · Civil Service · Development · Diplomatic Corps · Economics · International Banking or Finance · Journalism · Politics · Research

PROGRAMME OUTLINE

First year

- Economic Theory IA (Microeconomics for Economists)
- Economic Theory IB (Macroeconomic for Economists)
- Introduction to Ethics
- Introduction to Philosophy: Knowledge and Reality I
- Introduction to Political Studies I
- States, Power and Governance
- Computational Mathematics I
- Business Statistics I

Second year

- Economics IIA and IIB
- A student must choose between Politics II and Philosophy II
- History of Philosophy: A Classical and Early Modern Philosophy

AND one of the following:

- Philosophy of Mind and Psychology II
- Philosophy of Religion II
- Philosophy of Science II
- Social and Political Philosophy II
- Theories of Justice II
- Continental Philosophy II
- African Philosophy

OR two of the following:

- Social Theories of Modernity
- South Africa: Politics and Governance
- Black Consciousness Thought and the Politics of Anti-Racism

A total of 48 credits must be taken from:

- Corporate Finance II
- Investment II
- Principles of Management IIA
- Principles of Management IIB (Entrepreneurships)
- Insurance and Risk Management IIA
- Insurance and Risk Management IIB
- Human Resources IIA
- Human Resources IIB (Labour Relations)
- Consumer Behaviour
- Principles of Marketing IIA
- Integrated Marketing Communications
- Retail Management

Third year

Economic Science III
OR
Economic Theory III
OR
Applied Development Economics III

A total of 72 credits must be selected from either Politics III or Philosophy III, depending of what was taken in the second the year of study
AND

- Epistemology and Metaphysics III
- Ethics III
- History of Philosophy B: Further Topics in Modern Philosophy III
- Philosophy of Social Science
- Select Movements in 20th Century
- Philosophy III
- A selected topic in Philosophy III
- Senior seminar in Philosophy
- Philosophy of Language III
- Symbolic Logic III
- Philosophy of Art

OR

- Development: Concepts and Experiences
- Liberty, Justice and the Politics of Difference
- Conflict and Stability in Postcolonial Africa
- Selected topics in Political Studies
- Introduction to Comparative Politics
- Politics for Public Service
- Post-Colonial Politics

Law PROGRAMMES

You have several options if you want to study law at Wits:

IF YOU WANT TO PRACTISE LAW, YOU NEED AT LEAST AN LLB DEGREE.

While it is possible to enter an LLB at first year undergraduate level, you are encouraged to complete a BCom or BA degree first, preferably with law as one of your majors. This gives you a feeling for general law subjects before you commit to studying law. It also develops your knowledge and skills in other disciplines, which will be useful when you practise law.

If you want to work in corporate law, either for a law firm or in the legal department of large organisations, you should do a BCom(Law) with a second major in Finance, Management, Accounting, Taxation, or any other BCom major. However, if you want to work in human rights law, family law, constitutional law, or international law, you should begin your legal studies with a BA(Law) and pair this with courses like politics, sociology, economics, or languages.

Both the BCom(Law) and BA(Law) routes into the LLB include introductory and core LLB courses, taken over three years, which will be your majors. You can then complete your LLB degree over two years, with credits accrued during the undergraduate degree awarded towards your LLB.

The four-year programme comprises mostly law subjects with several Humanity or Commerce subjects at first year level. You must take certain core law subjects if you wish to graduate with an LLB. Other subjects form a set of electives you can choose from.

You can also enter the LLB if you hold any undergraduate degree, without Law as a major. In this case, you will only have to complete the law courses required in the LLB and can complete the qualification in three years.

In both cases, you will develop critical thinking and analytical skills during your first degree, which enables you to progress through the LLB.

LLB (two-year stream)

Bachelor of Laws (two-year stream)
LFA12
Duration: 2 years

NSC REQUIREMENTS
No matric APS calculation.
Waitlisting
Subject to assessment criteria as determined by the School of Law and place availability. Wits students who have completed a BA Law or a BCom Law are eligible to apply for the two-year LLB (year of study 3).
International Qualifications: Page 15

Closing Date: 30 September

CAREERS

Students studying law at Wits can consider many careers both in the legal and related areas, bearing in mind that further study and requirements are necessary for certain roles. Roles might include:
· Advocate · Arbitrator · Attorney · Conveyancer · Judge · Legal Advisor · Legal Practitioner · Legal, Risk and Compliance Consultant · Magistrate · Mediator · Negotiator · Professional Counsellor · Prosecutor

PROGRAMME OUTLINE

Third year (First year of registration)

- Law of Succession
- Business Entities
- Contract
- Civil Procedure
- Criminal Procedure
- Ethics and Law: Theory and Practice
- Evidence
- Property
- Public International Law

Fourth year (Second year of registration)

- Practical Legal Studies
- Administrative Law
- Customary Law
- Insolvency
- Labour Law

AND

- Four electives

LLB (three-year stream)

Bachelor of Laws (three-year stream)
LFA13
Duration: 3 years

NSC REQUIREMENTS
No matric APS calculation.
Waitlisting
Subject to assessment criteria as determined by the School of Law and place availability. Applicants who have completed an undergraduate degree at an institution other than Wits are required to apply for the three-year LLB programme (year of study 2). Wits applicants who have completed an undergraduate degree without Law modules are also required to apply for the three-year LLB. Applicants must have obtained an average of at least 60% in an undergraduate degree.

Closing Date: 30 September

CAREERS

Students studying law at Wits can consider many careers both in the legal and related areas, bearing in mind that further study and requirements are necessary for certain roles. Roles might include:
· Advocate · Arbitrator · Attorney · Conveyancer · Judge · Legal Advisor · Legal Practitioner · Legal, Risk and Compliance Consultant · Magistrate · Mediator · Negotiator · Professional Counsellor · Prosecutor

PROGRAMME OUTLINE

Second year (first year of registration)

- Law of Persons
- Family Law
- Introduction to Law for Graduates
- Constitutional Law
- Constitutional Law: Bill of Rights
- Criminal Law
- Delict
- Jurisprudence

Third year (second year of registration)

- Law of Succession
- Business Entities
- Contract
- Civil Procedure Criminal Procedure
- Ethics and Law: Theory and Practice
- Evidence
- Property
- Public International Law

Fourth year (third year of registration)

- Practical Legal Studies
- Administrative Law
- Customary Law
- Insolvency
- Labour Law

AND

- Four electives

LLB (four-year stream)

Bachelor of Laws (four-year stream)
LFA14
Duration: 4 years

NSC REQUIREMENTS
APS 46+
English Home Language OR Additional First Language Level 6
Mathematics Level 4
Maths Literacy Level 6
Waitlisting
Students who come to Wits immediately after Matric may apply for the four-year LLB.
Applicants with an APS of 40-45, as well as English Level 6 AND Mathematics Level 4 OR Maths Literacy Level 6, will be wait-listed, subject to place availability.
International Qualifications: Page 15

Closing Date: 30 September

Students studying law at Wits can consider many careers both in the legal and related areas.

CAREERS

· Advocate · Arbitrator · Attorney · Conveyancer · Judge · Legal Advisor · Legal Practitioner
· Legal, Risk and Compliance Consultant · Magistrate · Mediator · Negotiator · Professional Counsellor · Prosecutor

PROGRAMME OUTLINE

First year

· Law of Persons
· Family Law
· Introduction to Law for LLB students
· Certificate of Competence in Computer Literacy
AND
You must complete one or more courses from any other Faculty in the University, to the value of 36 LLB credits.

Second year

· Constitutional Law
· Constitutional Law: Bill of Rights
· Law of Succession
· Criminal Law
· Delict
· Jurisprudence

Third year

· Business Entities
· Contract
· Civil Procedure
· Criminal Procedure
· Ethics and Law: Theory and Practice
· Evidence
· Property
· Public International Law

Fourth year

· Practical Legal Studies
· Administrative Law
· Customary Law
· Insolvency
· Labour Law
AND
· Four electives

Message FROM THE DEAN

FACULTY OF ENGINEERING AND THE BUILT ENVIRONMENT (EBE)

We have positioned ourselves as the Faculty producing 21st century global leaders of local significance in the space of Engineering and the Built Environment. Here, you will be introduced into a new world that is rich in cultural diversity and where freedom of thought is not only cherished, but also encouraged. Our Faculty boasts lecturers who are world leaders in their fields of expertise and support staff that is always present for student support. Our undergraduate programme, in particular, is undergoing steep transformation as we prepare our graduates for the opportunities of 4th Industrial Revolution. You will be introduced to intellectually exciting projects that seek to take full advantage of the richness of our engineering and built environment space, through collaboration between various disciplines. It is our shared understanding in this Faculty that students should not only feel appreciated as individuals, but should also see their talent nourished and potential realized to its fullest. This is our contribution to making this world a better place for all!

PROFESSOR THOKOZANI MAJOZI

Accreditation

Our undergraduate engineering degrees are recognised by the Engineering Council of South Africa and have also been approved by the professional engineering accrediting bodies in the USA, Canada, Australia, New Zealand, the UK, Ireland and Hong Kong.

Faculty of ENGINEERING and THE BUILT ENVIRONMENT

At Wits, you will learn to work in a trans-disciplinary world and be trained to create new areas of endeavour, new technologies and new solutions to humanity.

CHOOSE YOUR Programme

Schools in ENGINEERING AND THE BUILT ENVIRONMENT

School of Chemical and Metallurgical Engineering

The School of Chemical and Metallurgical Engineering offers a four year BSc(Eng) degree in Chemical as well as Engineering. The Metallurgical Engineering part of the School was one of the founding departments (together with the Schools of Mining Engineering and Geosciences) of the University when it was first established as the Kimberley School of Mines in 1896.

Chemical Engineering teaching and research commenced at the University shortly after its inception as The University of the Witwatersrand in 1922. Both departments in the School have a long and proud history of producing leaders in the local industry in their various disciplines and providing the local economy with highly skilled and sought after engineers.

CHEMICAL ENGINEERING

The programme focuses on the fundamentals of chemical engineering such as thermodynamics, process and reactor design, preparing you for a wide variety of applications in the chemical industries and related fields even such as environmental engineering.

MATALLURGY AND MATERIALS ENGINEERING

A strong foundation is provided and will prepare you for both materials engineering as well as extractive metallurgy, which includes pyrometallurgy and hydrometallurgy.

School of Civil and Environmental Engineering

The School of Civil and Environmental Engineering has, for nearly 100 years, been home to many internationally respected academics and produced graduates who have made tremendous strides in the engineering profession as leaders of industry within South Africa and around the globe. The School remains a steady source of highly skilled professionals for the infrastructural development of the country. The hallmarks of graduates of the School are being excellent professional engineers with profound leadership skills and entrepreneurial acumen and strong ethical values.

The School offers a four-year BSc(Eng) degree in Civil Engineering and postgraduate programmes which enable students to specialise in the disciplines of water, environmental, geotechnical, construction materials and structural engineering and infrastructure engineering and management. With its world-class laboratory facilities and highly skilled academic and professional staff, the School continues to produce cutting-edge scholarly works and train professionals for the industry.

School of Electrical and Information Engineering

The School of Electrical and Information Engineering has extensive research laboratory facilities, including those for machines and drives, electronics, high voltage, lightning and electromechanics (EMC) telecommunications, information engineering, computational electromagnetics and systems and control. Bioinformatics has also been added as a competency. The School is a partner of the Johannesburg Centre for Software Engineering and is involved in a renewable energy research initiative at Masters and PhD levels, with particular focus on wind, solar and smart grids. The School has also incubated two high-tech companies and our staff are active academic research and industrial consultants.

School of Mechanical, Industrial and Aeronautical Engineering

The School of Mechanical, Industrial and Aeronautical Engineering has produced world-class engineers and has been at the forefront of engineering in South Africa for over 100 years. The School produces graduate engineers in three branches:

MECHANICAL ENGINEERING

Mechanical engineers design, develop, construct and use the machines and systems found in all areas of industry.

INDUSTRIAL ENGINEERING

After you have completed two years of study in any engineering stream, you may enter the Industrial Engineering stream in third year.

Industrial engineering (also referred to as business process engineering) studies the systems, processes, technology and people that make up organisations.

You will graduate as an industrial engineer, but with a background in another engineering discipline, such as chemical or electrical engineering.

AERONAUTICAL ENGINEERING

Aeronautical engineers design, develop and modify aircraft components and systems.

They are involved in solving complex problems facing business and humanity using innovative and creative thinking while connecting across multiple disciplines.

School of Mining Engineering

The School of Mining Engineering is one of the world's leading mining engineering schools. The School, in consultation with the South African mining industry, gives you the engineering knowledge that you will need as a practising mining engineer. This includes technical management and evaluation and rock engineering, as well as management skills in evaluation techniques and fundamental mineral economic principles.

School of Architecture and Planning

The School of Architecture and Planning provides an excellent learning environment towards accredited professional degrees in:

- Architecture
- Planning
- Postgraduate qualifications in related fields such as development planning, housing, urban management, urban design, sustainable and energy efficient cities and wider urban studies.

Many of our graduates have become esteemed professionals and leading academics at universities across the globe.

School of Construction Economics and Management

The School of Construction Economics and Management comprises a vibrant community of approximately 700 students and 32 academic and administrative staff. We strive to attract the best students, who will contribute to the development of the national economy and the real estate and construction industry.

The School currently produces South Africa's highest number of graduates in the field of construction economics and management.

It also offers a specialised programme in Property Studies.

COMMON FIRST YEAR PROGRAMME ACROSS ALL PROFESSIONAL DISCIPLINES

A common First Year Programme was introduced from 2019 across all professional engineering disciplines.

The academic curriculum is regularly modernised in order to ensure that it meets the highest professional and academic standards and that it simultaneously remains locally relevant and applicable.

Many engineering students entering the engineering programmes have a limited knowledge of the different branches of engineering and only gain the knowledge to make an informed choice of programme during their first year. A first year curriculum that is identical for all programmes allows students to amend their choice at the end of the first year.

Chemical Engineering

Bachelor of Science in Engineering in Chemical Engineering

EFA00
Duration: 4 years

NSC REQUIREMENTS
APS 42+
English Home Language OR
First Additional Language Level 5
Mathematics Level 5
Physical Science Level 5
Waitlisting
Students with English, Mathematics and Physics at Level 5 will be wait-listed, subject to place availability. Generally, applicants who achieve 70% in English, Mathematics and Physical Science stand a greater chance of being accepted.
International Qualifications: Page 17

Closing Date: 30 September

Design, operate and manage large-scale industrial conversion processes.

Chemical Engineering involves large-scale industrial processes that convert raw materials – by physical or chemical change – into products with higher economic and social value. For example, coal, petroleum, natural gas, vegetation and microorganisms are converted into fuels and chemicals. Chemical engineers are needed in fields such as plastics, oil refinery, explosives, fertilisers, detergents and food.

Chemical engineering plays an important role in society by minimising and controlling the impact of modern industry on the environment, society and businesses.

The curriculum therefore includes courses on environmental engineering, management principles and professional practice and ethics.

Courses such as Chemical Engineering Thermodynamics, Chemical Reactor Theory, Process Control, Solid Fluid Systems, Transport Phenomena, Mass-Transfer Operations and Chemical Plant Design are studied after first year. In final year, you will study elective subjects in advanced chemical engineering topics.

You need a thorough understanding of Mathematics, Physics and Chemistry and must be computer literate.

CAREERS

· Biochemical Engineer · Environmental Engineer · Food Processing Engineer · Process Control Engineer · Process Design Engineer · Process Plant Manager · Systems Engineer · Technical Sales Engineer

PROGRAMME OUTLINE

First year

- Engineering Chemistry
- Introduction to the Engineering Profession
  Engineering Analysis and Design IA **AND** IB
- Engineering Mathematics IA **AND** IB
- Engineering Physics IA **AND** IB
- Applied Physics I

AND, one of the following courses:

- Elementary IsiZulu Language and Culture IA
- Elementary Sesotho Language and Culture IA
- The International Relations of South Africa and Africa
- Introduction to Political Studies
- Southern Africa in the Era of Globalisation
- Identity and Society
- Introduction to Ethics I
- Introduction to Philosophy: Knowledge and Reality
- Global Encounters and Contemporary Realities IA

Second year

- Computing for Process Engineering
- Energy Balances and Applications
- Engineering Chemistry IIA **AND** IIB
- Process Engineering Fundamentals A **AND** B
- Electrical Engineering
- Mathematics II

Third year

- Chemical Engineering Laboratory
- Numerical Methods
- Environmental Process Engineering
- Momentum and Heat Transport
- Mass Transport and Operations
- Applied Thermodynamics
- Chemical Engineering Thermodynamics
- Chemical Reaction Engineering A **AND** B
- Process Design Principles A **AND** B

Fourth year

- Management for Process Engineers
- Solid Fluid Systems
- Chemical Engineering Design
- Process Control
- Chemical Engineering Research Project
- Biochemical Engineering **AND**, one of the following course combinations:

a) Extractive Metallurgy
- Hydrometallurgy
- Fundamentals of Pyrometallurgy
- Fundamentals of Mineral Processing

b) Advanced Chemical Engineering
- Advanced Chemical Reaction Engineering
- Waste Water Engineering
- Synthetic Fuels

Metallurgy and Materials Engineering

Bachelor of Science in Engineering in Metallurgy and Materials Engineering
EFA08
Duration: 4 years

NSC REQUIREMENTS
APS 42+
English Home Language OR
First Additional Language Level 5
Mathematics Level 5
Physical Science Level 5
Waitlisting
Students with English, Mathematics and Physics at Level 5 will be wait-listed, subject to place availability. Generally, applicants who achieve 70% in English, Mathematics and Physical Science stand a greater chance of being accepted.
International Qualifications: Page 17

Closing Date: 30 September

Design, operate and manage industrial plants that convert minerals and metals into valuable products.

Metallurgy and Materials Engineering involves the engineering principles required to concentrate, extract and refine metals, materials and carbon (coal) materials, as well as to develop new alloys and materials, including ceramics and composites.

Core subjects in Materials Engineering focus on the structure and behaviour of materials and their conversion into usable forms through heat treatment processes such as welding, forming processes and powder metallurgy. As in Chemical Engineering, the Materials Engineering PROGRAMME OUTLINE also focuses on the issues of environmental engineering, management and professional ethics.

There is a strong emphasis on design and project work, with the programme culminating in an extensive laboratory project and a large design project. The degree programme provides a sound foundation for future postgraduate study, as well as a career in technical management.

CAREERS

· Corrosion Engineer · Extractive Metallurgist · Failure Analysis Consultant · Foundry Engineer · Heat Treatment Engineer · Metallurgical Plant Design Engineer · Process Control Engineer · Tribologist Materials Consultant

PROGRAMME OUTLINE

First year

- Engineering Chemistry
- Introduction to the Engineering Profession
- Engineering Analysis and Design IA **AND** IB
- Engineering Mathematics IA **AND** IB
- Engineering Physics IA **AND** IB
- Applied Physics I

AND, one of the following courses:

- Elementary IsiZulu Language and Culture IA
- Elementary Sesotho Language and Culture IA
- The International Relations of South Africa and Africa
- Introduction to Political Studies
- Southern Africa in the Era of Globalisation
- Identity and Society
- Introduction to Ethics I
- Introduction to Philosophy: Knowledge and Reality
- Global Encounters and Contemporary Realities IA

Second year

- Engineering Chemistry IIA
- Introductory Mineralogy and Earth Sciences
- Computing for Process Engineering
- Introduction to Extractive Metallurgy
- Practical Metallurgy
- Material Science and Engineering
- Process Engineering Fundamentals A
- Economic Concepts IA
- Electrical Engineering
- Mathematics II

Third year

- Numerical Methods (Metallurgy)
- Engineering Failure Analysis
- Kinetics and Transport Processes in Metallurgical Engineering
- Solidification, Heat Treatment and Microstructure
- Environmental Process Engineering
- Crystal Structure and Analysis
- Corrosion and Wear
- Non-Ferrous Pyrometallurgy
- Metallurgical Thermodynamics I **AND** II
- Process and Materials Design I **AND** II
- Engineering Statistics

Fourth year

- Physical Chemistry of Iron and Steel Manufacturing
- Metallurgical Design
- Research Project
- Management for Process Engineers
- Particulate Systems
- Process Control
- Welding and Forming Processes
- Structure and Properties of Engineering Materials
- Hydrometallurgical Processes

Civil Engineering

Bachelor of Science in Engineering in Civil Engineering

EFA01
Duration: 4 years

NSC REQUIREMENTS

APS 42+
English Home Language OR First Additional Language Level 5
Mathematics Level 5
Physical Science Level 5
Waitlisting
Students with English, Mathematics and Physics at Level 5 will be wait-listed, subject to place availability. Generally, applicants who achieve 70% in English, Mathematics and Physical Science stand a greater chance of being accepted.
International Qualifications: Page 17

Closing Date: 30 September

Plan, design and manage physical infrastructure.

Civil Engineering is the practice of improving and maintaining the built environment to enhance the quality of life for present and future generations.

Civil engineers primarily plan, design, construct, operate and maintain physical infrastructure, including water and waste management facilities, transportation and communications infrastructure and structures and public buildings. This infrastructure supports people's basic needs, while enabling and driving economic development.

In the first two years of study, students develop competencies in mathematics, natural sciences, computing and complementary studies. In the third and fourth years, students develop competencies in engineering design and synthesis through courses in Geotechnical Engineering, Hydrology, Hydraulics, Transportation Engineering, Structural Engineering and Construction Materials.

CAREERS

- Bridge Engineer
- Earthquake Design Engineer
- Consulting Engineer
- Construction Manager
- Environmental Engineer
- Geotechnical Engineer
- Hydrologist
- Structural Engineer
- Water Resource Manager

PROGRAMME OUTLINE

First year

- Engineering Chemistry
- Introduction to the Engineering Profession
- Engineering Analysis and Design IA **AND** IB
- Engineering Mathematics IA **AND** IB
- Engineering Physics IA **AND** IB
- Applied Physics I

AND, one of the following courses:

- Elementary IsiZulu Language and Culture IA
- Elementary Sesotho Language and Culture IA
- The International Relations of South Africa and Africa
- Introduction to Political Studies
- Southern Africa in the Era of Globalisation
- Identity and Society
- Introduction to Ethics I
- Introduction to Philosophy: Knowledge and Reality
- Global Encounters and Contemporary Realities IA
- Vacation Work (Civil)

Second year

- Materials and Structures I **AND** II
- Numerical Methods
- Probability Theory and Mathematical Statistics for Engineers
- Introduction to Environmental Engineering
- Engineering Computing
- Engineering Economics and Infrastructure Planning
- Geology for Civil Engineers
- Mathematics II
- Engineering Surveying
- Practical Training (Civil)

Third year

- Construction Materials I
- Geotechnical Engineering I
- Structural Steel Design
- Reinforced Concrete Design
- Hydrology
- Fluid Mechanics and Hydraulics
- Structural Analysis I **AND** II
- Systems Analysis and Optimisation
- Transport Engineering

Fourth year

- Construction Materials II
- Geotechnical Engineering II
- Investigational Project
- Integrated Resource Management
- Hydraulic Engineering
- Structural Engineering
- Civil Engineering Design

Electrical Engineering

Bachelor of Science in Engineering in Electrical Engineering

EFA03
Duration: 4 years

NSC REQUIREMENTS

APS 42+
English Home Language OR
First Additional Language Level 5
Mathematics Level 5
Physical Science Level 5
Waitlisting
Students with English, Mathematics and Physics at Level 5 will be wait-listed, subject to place availability. Generally, applicants who achieve 70% in English, Mathematics and Physical Science stand a greater chance of being accepted.
International Qualifications: Page 17

Closing Date: 30 September

Design, operate and manage communications, IT, electric power and automation technology.

Electrical Engineering covers a broad range of activities involving the generation and use of electrical energy, including the planning and operation of large stations, computing and information transfer and telecommunication systems. An Information Engineering option is also offered within the programme.

In the first two years, all Electrical Engineering students focus on enhancing their capabilities in mathematics, physics and chemistry. In the third year, you will study Electrical Engineering Science subjects and take more advanced courses in mathematics, such as Electronics, Power Engineering, Electro-magnetic Engineering and Mathematical Methods.

In the third year, you will study five complementary courses, including Engineering Design, Engineering Laboratory and Systems Management. You will also choose three elective courses to specialise in either Electrical or Information Engineering. Engineering Design and Engineering Laboratory are project-based subjects in which you are required to submit a report for examination.

CAREERS

· Antennas Engineering · Computer Engineer · Control and Automation Engineer · High Voltage Engineer · Machines and Drives Engineer · Power Engineer · Power Systems Manager · Telecommunications Engineer

PROGRAMME OUTLINE

First year

- Engineering Chemistry
- Introduction to the Engineering Profession
- Engineering Analysis and Design IA **AND**
- IB Engineering Mathematics IA **AND**
- IB Engineering Physics IA **AND**
- IB Applied Physics I

AND, one of the following courses:

- Elementary IsiZulu Language and Culture IA
- Elementary Sesotho Language and Culture IA
- The International Relations of South Africa and Africa
- Introduction to Political Studies
- Southern Africa in the Era of Globalisation
- Identity and Society
- Introduction to Ethics I
- Introduction to Philosophy: Knowledge and Reality
- Global Encounters and Contemporary Realities IA

Second year

- Data Structures and Algorithms
- Electrical and Magnetic Systems
- Software Development I
- Signals and Systems I
- Microprocessors
- Electronics I
- Electric Circuits
- Mathematics II
- Physics II (Electrical)
- Vacation Work I (Electrical)

Third year

At the beginning of the third year, students can choose to continue with Electrical Engineering or register for Information Engineering.

- Electromagnetic Engineering
- Electronics II
- Power Engineering
- Probablistic Systems Analysis
- Software Development II
- Signals and Systems IIA **AND** IIB
- Control I
- Electrical Engineering Design
- Economics of Design
- Mathematical Methods

Fourth year

- Electrical Engineering Design II
- Electrical Engineering Laboratory
- Measurement Systems
- Selected Topics in Sociology
- Systems Management and Integration

AND, any three courses from the following:

- High Frequency Techniques
- High Voltage Engineering
- Software Engineering
- Software Development III
- Electromechanical Conversion
- Control II
- Power Systems
- Data Intensive Computing in Data Science

Information Engineering

Bachelor of Science in Engineering in Information Engineering

EFA03
Duration: 4 years

NSC REQUIREMENTS

APS 42+
English Home Language OR
First Additional Language Level 5
Mathematics Level 5
Physical Science Level 5
Waitlisting
Students with English, Mathematics and Physics at Level 5 will be wait-listed, subject to place availability. Generally, applicants who achieve 70% in English, Mathematics and Physical Science stand a greater chance of being accepted.
International Qualifications: Page 17

Closing Date: 30 September

Plan, design and manage complex software systems.

The Information Engineering degree focuses on Software Engineering, Telecommunications and Computer Networking.

In the first two years, you will focus on enhancing your capabilities in mathematics, physics and chemistry. At the beginning of the third year you can choose to continue with the Electrical Engineering degree or apply to change to the Information Engineering degree.

In the final year, you will study five complementary courses, including Engineering Design, Engineering Laboratory and Systems Management. You will also choose three elective courses, to specialise in either Electrical or Information Engineering. Engineering Design and Engineering Laboratory are project-based subjects in which you are required to submit a report for examination.

CAREERS

- Computer Engineer
- Information Engineer
- Software Developer
- Software Engineer
- Software Project Manager
- Software Systems Architect
- Network Engineer
- Telecommunications Engineer
- Information Technology Consultant

PROGRAMME OUTLINE

First year

- Engineering Chemistry
- Introduction to the Engineering Profession
- Engineering Analysis and Design IA **AND** IB
- Engineering Mathematics IA **AND** IB
- Engineering Physics IA **AND** IB
- Applied Physics I

AND, one of the following courses:

- Elementary IsiZulu Language and Culture IA
- Elementary Sesotho Language and Culture IA
- The International Relations of South Africa and Africa
- Introduction to Political Studies
- Southern Africa in the Era of Globalisation
- Identity and Society
- Introduction to Ethics I
- Introduction to Philosophy: Knowledge and Reality
- Global Encounters and Contemporary Realities IA

Second year

- Data Structures and Algorithms
- Electrical and Magnetic Systems
- Software Development I
- Signals and Systems I
- Microprocessors
- Electronics I
- Electric Circuits
- Mathematics II
- Physics II (Electrical)
- Vacation Work I (Electrical)

Third year

- At the beginning of the third year, students can choose to continue with Electrical Engineering or register for Information Engineering.
- Computational Mathematics
- Electronics II
- Probabilistic Systems Analysis
- Software Development II
- Signals and Systems IIA **AND** IIB
- Data and Information Management
- Control I
- Electrical Engineering Design
- Economics of Design
- Communication Fundamentals
- Vacation Work II (Electrical)

Fourth year

- Measurement Systems
- Information Engineering Design
- Information Engineering Laboratory
- Selected Topics in Sociology
- Systems Management and Integration

AND, any three courses from the following:

- Software Engineering
- Software Development III
- Control II
- Network Fundamentals
- Data Intensive Computing in Data Science
- Full Stack Quantum Computing

Biomedical Engineering

Bachelor of Engineering Science in Biomedical Engineering

EBA00
Duration: 3 years
NSC REQUIREMENTS

APS 42+
English Home Language OR
First Additional Language Level 5
Mathematics Level 5
Physical Science Level 5
Waitlisting
Students with English, Mathematics and Physics at Level 5 will be wait-listed, subject to place availability. Generally, applicants who achieve 70% in English, Mathematics and Physical Science stand a greater chance of being accepted.
International Qualifications: Page 17
Closing Date: 30 September

Work at the cutting edge of research and development in healthcare systems.

SPECIALISATION

Biomedical Engineering, which falls within the School of Electrical and Information Engineering, applies engineering and other quantitative sciences to solving medical and biological problems. For example, developing sophisticated X-ray imaging systems, artificial organs, image recognition systems and medical devices, and provides a quantitative understanding of disease processes.

The three-year Bachelor of Engineering Science in Biomedical Engineering BEngSc (BME) undergraduate degree combines subjects in science, engineering, medicine and biology, as well as specific Biomedical Engineering courses.

Because this is a pre-professional qualification, you will not be eligible for professional registration with this degree alone. After you graduate, there are various routes you can take to obtain a professional qualification, such as Medicine (MBBCh), BSc(Eng) in Electrical or Information Engineering.

You can apply for admission into the third year of BSc(Eng) in Electrical/Information Engineering. However, the entry requirements for MBBCh are competitive and may vary.

CAREERS

Physicist or Electrical Engineer or Medical Professional working in the development of:

- Artificial organs
- Information Technology for Healthcare
- Medical Imaging System Design (e.g. ultrasound or CT scanning)
- Modelling and simulation of physiological states and disease
- Therapeutic Equipment Design

PROGRAMME OUTLINE

First year

- Introductory Physiology and Environmental Sciences I
- Chemistry I
- Engineering Mathematics IA **AND** IB
- Introductory Molecular and Cell Biology I
- Engineering Physics IA AND IB
- Applied Physics I

Second year

- Electric and Magnetic Systems
- Software Development I
- Signals and Systems I
- Microprocessors
- Electronics I
- Electric Circuits
- Molecular and Cell Biology
- Mathematics II
- Physics II (Electrical)

Third year

- Anatomy
- Biomedical Transport Phenomena
- Biomedical Measurement, Instrumentation and Imaging
- Signals and Systems IIA
- Biomedical Signals, Systems and Control
- Physiology and Medical Biochemistry I

Digital Arts

Bachelor of Engineering Science in Digital Arts

EBA01
Duration: 3 years

NSC REQUIREMENTS
APS 42+
English Home Language OR First Additional Language Level 5
Mathematics Level 5
Physical Science Level 5
Waitlisting
Students with English, Mathematics and Physics at Level 5 will be wait-listed, subject to place availability. Generally, applicants who achieve 70% in English, Mathematics and Physical Science stand a greater chance of being accepted.
International Qualifications: Page 17

Closing Date: 30 September

Work at the cutting edge of software development in gaming.

SPECIALISATION

Digital Arts is a specialised programme combining Electrical Engineering and Digital Arts courses to prepare you for a career in game design and development. The game design programme is a collaboration between the Wits School of Arts and the School of Electrical and Information Engineering.

Once you've completed the BEngSc in Digital Arts, you may continue into the third year of the BSc(Eng) (Electrical) or (Information Engineering) option, or into the Honours course in Digital Arts.

CAREERS

· Animation · Game Design · Software Engineer · Software Development

PROGRAMME OUTLINE

First year

- Engineering Analysis and Design IA **AND** IB
- Engineering Mathematics IA **AND** IB
- Engineering Physics IA **AND** IB
- Applied Physics
- Key Concepts in Game Design I **AND** II

Second year

- Engineering Analysis and Design IA **AND** IB
- Engineering Mathematics IA **AND** IB
- Engineering Physics IA **AND** IB
- Applied Physics
- Key Concepts in Game Design I **AND** II
- Data Structures and Algorithms
- Software Development I
- Microprocessors
- Electronics I
- Electric Circuits
- Mathematics II
- Digital Art Design Project
- Introduction to Game Creation IIA **AND** IIB

Third year

- Electrical and Magnetic Systems
- Signals and Systems I
- Professional Practice and Software Development
- Introduction to the World Wide Web as Creative Medium III
- Game Design IIIA **AND** IIIB

Mechanical Engineering

Bachelor of Science in Engineering in Mechanical Engineering
EFA05
Duration: 4 years

NSC REQUIREMENTS
APS 42+
English Home Language OR
First Additional Language Level 5
Mathematics Level 5
Physical Science Level 5
Waitlisting
Students with English, Mathematics and Physics at Level 5 will be wait-listed, subject to place availability. Generally, applicants who achieve 70% in English, Mathematics and Physical Science stand a greater chance of being accepted.
International Qualifications: Page 17

Closing Date: 30 September

Design, develop and manufacture machines and component systems.

Mechanical Engineering applies scientific principles to design, develop, construct, install, operate and maintain engines, energy harnessing equipment and machines in all industries.

Mechanical engineers work in the most important sectors of the economy, including manufacturing, mining, power generation and transportation.

CAREERS

- Energy Engineer
- Mechanical Design and Development Engineer
- Manufacturing Engineer
- Systems Engineer
- Production Engineer
- Technical Marketing Manager
- Transport Engineer

PROGRAMME OUTLINE

First year

- Engineering Chemistry
- Introduction to the Engineering Profession
- Engineering Analysis and Design IA **AND** IB
- Engineering Mathematics IA **AND** IB
- Engineering Physics IA **AND** IB
- Applied Physics I **AND**, one of the following courses:
  - Elementary IsiZulu Language and Culture IA
  - Elementary Sesotho Language and Culture IA
  - The International Relations of South Africa and Africa
  - Introduction to Political Studies
  - Southern Africa in the Era of Globalisation
  - Identity and Society
  - Introduction to Ethics I
  - Introduction to Philosophy: Knowledge and Reality
  - Global Encounters and Contemporary Realities IA

Second year

- Electrical Engineering
- Mathematics II
- Mechanical Engineering Laboratory I
- Introduction to Materials Science and Engineering
- Applied Mechanics A **AND** B
- Computing Skills and Software Development
- Engineering Design
- Machine Elements
- Fluid Mechanics I
- Engineering Thermodynamics I

Third year

- Mathematical Methods
- Mechanical Engineering Investigation
- Mechanics of Solids I
- Mechatronics I
- Business Management
- Manufacturing Processes
- Mechanical Engineering Design
- Mechanical Vibrations
- Engineering in its Social Context
- Numerical Methods and Statistics
- Incompressible Flows
- Fundamentals of Heat Transfer
- Vacation Work I (Mechanical)

Fourth year

- Design Project
- Research Project
- Systems Management and Integration
- Mechanics of Solids II
- Mechatronics II
- Compressible Flows
- Energy Conversion and Utilisation Systems
- Engineering Professional Activity
- Selected Topics in Social Science
- Vacation Work II (Mechanical)

Industrial Engineering

Bachelor of Science in Engineering in Industrial Engineering
EFA07
Duration: 4 years

NSC REQUIREMENTS
APS 42+
English Home Language OR
First Additional Language Level 5
Mathematics Level 5
Physical Science Level 5
Waitlisting
Students with English, Mathematics and Physics at Level 5 will be wait-listed, subject to place availability. Generally, applicants who achieve 70% in English, Mathematifcs and Physical Science stand a greater chance of being accepted.
International Qualifications: Page 17
Closing Date: 30 September

Improve and optimise productivity and quality in manufacturing and service companies.

Industrial Engineering studies the systems, processes, technology and people that make up organisations. Industrial engineers are often involved 'behind the scenes', answering questions like:

- How do vehicle manufacturers economically produce hundreds of variations of the same vehicle?
- How can South Africa streamline its public healthcare delivery to ensure quality care for all?
- How can you safely and quickly send money to your family in another country, if they don't have a bank account?

CAREERS

- Enterprise Resource Planning Consultant
- Inventory Engineer
- IT Consultant
- Logistics Engineer
- Management Consultant
- Production and Operations Manager
- Process Engineer
- Quality Control Engineer
- Supply Chain Consultant
- Technical Manager

PROGRAMME OUTLINE

First year

- Engineering Chemistry
- Introduction to the Engineering Profession
- Engineering Analysis and Design IA **AND** IB
- Engineering Mathematics IA **AND** IB
- Engineering Physics IA **AND** IB
- Applied Physics I

AND, one of the following courses:

- Elementary IsiZulu Language and Culture IA
- Elementary Sesotho Language and Culture IA
- The International Relations of South Africa and Africa
- Introduction to Political Studies
- Southern Africa in the Era of Globalisation
- Identity and Society
- Introduction to Ethics I
- Introduction to Philosophy: Knowledge and Reality
- Global Encounters and Contemporary Realities IA

Second year

- Electrical Engineering
- Mathematics II
- Mechanical Engineering Laboratory I
- Introduction to Materials Science and Engineering
- Applied Mechanics A **AND** B
- Computing Skills and Software Development
- Engineering Design
- Machine Elements
- Fluid Mechanics I
- Engineering Thermodynamics

Third year

- Industrial Engineering Design
- Industrial Engineering Investigation
- Mechatronics I
- Business Management
- Operations Management: Techniques
- Manufacturing Technology: Processes
- Principles of Organisational Behaviour
- Engineering in its Social Context
- Operations Research
- Mathematical Topics (Industrial)
- Mathematical Methods (Industrial)
- Vacation Work I (Mechanical)

Fourth year

- Design Project
- Research Project
- Manufacturing Technology: Systems
- Business Studies
- Systems Management and Integration
- Decision Support and Intelligence Systems
- Operations Management: Systems Integration
- Engineering Professional Activity
- Selected Topics in Social Science
- Vacation Work II (Mechancial)

Aeronautical Engineering

Bachelor of Science in Engineering in Aeronautical Engineering
EFA06
Duration: 4 years

NSC REQUIREMENTS
APS 42+
English Home Language OR
First Additional Language Level 5
Mathematics Level 5
Physical Science Level 5
Waitlisting
Students with English, Mathematics and Physics at Level 5 will be wait-listed, subject to place availability. Generally, applicants who achieve 70% in English, Mathematics and Physical Science stand a greater chance of being accepted.
International Qualifications: Page 17

Closing Date: 30 September

Design, develop and manufacture aerospace vehicles and component systems.

Aeronautical Engineering is concerned with the design, development and modification of the components and systems of all types of flight vehicles, including fixed wing aircraft, helicopters, sailplanes, missiles and non-flying aerodynamic devices.

CAREERS

- Aircraft Design Engineer
- Aircraft Systems Design Engineer
- Airline Manager
- Automotive Aerodynamics Engineer
- Research
- Production Manager
- Propulsion Engineer
- Technical Director

PROGRAMME OUTLINE

First year

- Engineering Chemistry
- Introduction to the Engineering Profession
- Engineering Analysis and Design IA **AND** IB
- Engineering Mathematics IA **AND** IB
- Engineering Physics IA **AND** IB
- Applied Physics I

AND, one of the following courses:

- Elementary IsiZulu Language and Culture IA
- Elementary Sesotho Language and Culture IA
- The International Relations of South Africa and Africa
- Introduction to Political Studies
- Southern Africa in the Era of Globalisation
- Identity and Society
- Introduction to Ethics I
- Introduction to Philosophy: Knowledge and Reality
- Global Encounters and Contemporary Realities IA

Second year

- Electrical Engineering
- Mathematics II
- Mechanical Engineering Laboratory I
- Introduction to Materials Science and Engineering
- Applied Mechanics A
- Computing Skills and Software Development
- Applied Mechanics B
- Engineering Design
- Machine Elements
- Fluid Mechanics I
- Engineering Thermodynamics

Third year

- Mathematical Methods
- Aeronautical Engineering Investigation
- Aeronautical Engineering Design
- Manufacturing Processes
- Introduction to Aeronautics
- Mechatronics I
- Business Management
- Mechanical Vibrations
- Engineering in its Social Context
- Numerical Methods and Statistics
- Aircraft Structures
- Incompressible Flows
- Vacation Work I (Mechanical)

Fourth year

- Design Project
- Research Project
- Systems Management and Integration
- Gas Dynamics and Propulsion
- Aerodynamics
- Flight Dynamics
- Aircraft Structures II
- Mechatronics II
- Engineering Professional Activity
- Selected Topics in Social Science
- Vacation Work II (Mechanical)

Mining Engineering

Bachelor of Science in Engineering in Mining Engineering

EFA09
Duration: 4 years

NSC REQUIREMENTS
APS 42+

English Home Language OR
First Additional Language Level 5
Mathematics Level 5
Physical Science Level 5
Waitlisting
Students with English, Mathematics and Physics at Level 5 will be wait-listed, subject to place availability. Generally, applicants who achieve 70% in English, Mathematics and Physical Science stand a greater chance of being accepted.
International Qualifications: Page 17

Closing Date: 30 September

Plan, organise and manage safe and efficient ways to extract raw materials from the earth.

Mining engineers play a key role in the planning, exploitation and excavation of mineral resources.

In the first two years, you will learn the skills, technology and basic sciences common to all areas of engineering, including courses in civil, electrical and mechanical engineering. In the third and fourth years, you will study mining engineering subjects, including courses in mineral resources evaluation, ventilation, environmental engineering, mine and rock mechanics. In the final stage of the programme, you'll complete a mine design exercise in which you'll apply your knowledge to designing a mine and assessing its economic feasibility and profit potential.

The programme will provide you with the engineering expertise you'll need as a mining engineer or mine manager.

CAREERS

- Blasting Engineer
- Consulting Mining Engineer
- Environmental, Safety and Health Manager
- Financial Analyst
- Mine Manager
- Mine Design Engineer
- Mineral Resources Manager
- Project Manager
- Rock Engineer

PROGRAMME OUTLINE

First year

- Engineering Chemistry
- Introduction to the Engineering Profession
- Engineering Analysis and Design IA **AND** IB
- Engineering Mathematics IA **AND** IB
- Engineering Physics IA **AND** IB
- Applied Physics I

AND, one of the following courses:

- Elementary IsiZulu Language and Culture IA
- Elementary Sesotho Language and Culture IA
- The International Relations of South Africa and Africa
- Introduction to Political Studies
- Southern Africa in the Era of Globalisation
- Identity and Society
- Introduction to Ethics I
- Introduction to Philosophy: Knowledge and Reality
- Global Encounters and Contemporary Realities IA

Second year

- Applied Mathematics IIA
- Geology IA **AND** IB
- Mathematics II
- Engineering Services for Mining
- Introduction to Underground and Surface Mining Methods
- Computer Applications in Mining
- Explosives Engineering
- Mechanical Excavation of Rock
- Engineering Surveying
- Digital Technologies and Mine Data Analytics
- Computer Programming for Mining
- Professional Development
- Computer Programming Bootcamp (Mining)
- Practical Workshop Training (Mining)

Third year

- Ore Dressing and Extractive Metallurgy
- Ore Body Modelling
- Mine Transportation, Automation and Robotics
- Mineral Resources Evaluation
- Computerised Mine Design
- Rock Mechanics
- Mine Ventilation and Climate Control
- Water, Energy and the Environment
- Mine Surveying and Geospatial Techniques
- Underground Mining Systems
- Surface Mining Systems

Fourth year

- Mine Management Principles and Entrepreneurship
- Financial Valuation
- Mine Design
- Project Report
- Rock Engineering
- Mining Optimisation Techniques and Systems Engineering
- Health, Safety and Mining Law
- Mine Technical Visits
- Vacation Work I (Mining)

Architectural Studies

Bachelor of Architectural Studies

FBA00
Duration: 3 years

NSC REQUIREMENTS
APS 34+
English Home Language OR First Additional Language Level 4
Mathematics Level 4
Waitlisting
Acceptance depends on departmental selection. Applicants must complete a written and graphic exercise and may be required to attend an interview. Following an interview, applicants with a Wits APS of 29-33 may be accepted on the basis of exceptional scores.
The Bachelor of Architectural Studies (BAS) selection process is conducted by a panel of senior academics from the School of Architecture and Planning, which is monitored by the Assistant Dean. Selection is based on performance in the selection exercise, interview and academics.
Demographic balance is taken into consideration where a choice needs to be made between applicants scoring within the same range.
International Qualifications: Page 17

Closing Date: 30 June

Enhance human lives and experiences through spatial and structural design.

An architectural technologist can draw up buildings, design and supervise the construction of simple buildings or work under the supervision of a professional architect on complex projects. Most commonly, BAS graduates continue studying to become professional architects. The BAS degree offers a good basic training for other design careers (e.g. furniture or stage set design) and can be converted into a Bachelor of Interior or Landscape Architecture degree with the addition of certain specialised courses. It could also be the basis for a non-professional career such as an architectural historian and gives an excellent training in critical thinking.

With a Master of Architecture (Professional) qualification, you can register as a candidate architect. After two years of appropriate experience as a candidate architect, you may write the practice examinations to register as a professional architect.

Wits architecture degrees are accredited by the South African Council for the Architectural Profession, a signatory to the Canberra Accord and validated by the Commonwealth Association of Architects.

CAREERS

· Architect · Architectural Technologist · Draughtsperson · Landscape Designer · Interior Designer · Lecturer · Researcher · Urban Planner/Studies

PROGRAMME OUTLINE

First year

- Applied Mathematics
- Architectural Design and Theory I
- Theory and Practice of Construction I
- Histories and Theories of Architecture I
- History and Settlement of Architecture
- Design Representation I
- Digital Applications in Architecture II
- Building Ecology

Second year

- Architectural Design and Theory II
- Theory and Practice of Construction II
- Digital Applications in Architecture II
- Civil Engineering Theory I
- Introduction to Structures
- Histories and Theories of Architecture II
- Design Representation II

Third year

- Small Office Practice
- Architectural Design and Theory III
- Histories and Theories of Architecture III
- Theory and Practice of Construction III
- Civil Engineering Theory II
- Civil Engineering Theory III

Urban and Regional Planning

Bachelor of Science in Urban and Regional Planning
FBA05
Duration: 3 years

NSC REQUIREMENTS
APS 36+
English Home Language OR First Additional Language Level 5
Mathematics Level 5
Waitlisting
Applicants with an APS of 30-35 will be wait-listed subject to place availability.
International Qualifications: Page 17

Closing Date: 30 September

Sustain the environment and develop economic and social wellbeing.

The Bachelor of Science in Urban and Regional Planning BSc(URP) programme, offered by the School of Architecture and Planning, is concerned with sustaining the environment and developing economic and social wellbeing. In a context of increased technological change, rapid urbanisation, social transformation and a changing natural environment, planning is about efficient and effective space management and places with meaning and quality.

The programme covers a range of fields, including geography, economics, sociology, property studies and mathematics.

Core planning subjects range from the design of urban spaces and principles of place-making in a culturally diverse context, to policies for the planning and management of entire spatial regions. The classes involve mostly small group teaching and expose you to real-life issues during practical field trips.

Planners often work in large companies with property portfolios, like insurance firms and in communities, NGOs and independent consultancies.

If you achieve the minimum requirements at the end of the three-year BSc(URP) programme, you may register for the professional BSc(URP) Honours programme, which enables you to register with the South African Council of Planners (SACPLAN) after you have gained necessary practical experience.

CAREERS

· Built Environment Analyst · Consulting · Damage Assessor · Development and Corporate Real Estate
· Local, Provincial or National Government Planner · Policy Analyst · Property Management

PROGRAMME OUTLINE

First year

- Mathematical Technique for Planners
- History of Settlement and Architecture
- Introduction to Environmental Interpretation
- Introduction to Settlement Form and Design
- Geography for Planners
- Identity and Society I

Second year

- Two and three Dimensional Computer-Aided Design and GIS
- Planning for Housing Services, Infrastructure and Transport
- Introduction to Land Management
- Contemporary Design and Environmental Issues in South Africa
- Histories, Theories and Futures of Planning
- Introduction to Environmental Planning
- Introduction to Civil Engineering Infrastructure
- Economic Concepts IA **AND** IB
- Quantitative Methods for Planners

Third year

- Comparative Planning Systems
- Integrated Development Planning
- Regional Planning and Local Economic Development
- Development Policy and Processes in South Africa
- Applications in Graphic and Spatial Communication in Planning
- Property Development for Planners
- Local Planning and Urban Design
- The Politics of Planning and Housing

Construction Studies

Bachelor of Science in Construction Studies

FBA04
Duration: 3 years

ACCREDITATION
The BSc Construction Studies degree is accredited by both the South African Council for the Quantity Surveying Profession and the South Africa Council for the Project and the Construction Management Professions.

NSC REQUIREMENTS
APS 36+
English Home Language OR First Additional Language Level 5
Mathematics Level 5
Waitlisting
Applicants with an APS of 30-35 will be wait-listed subject to place availability.
International Qualifications: Page 17

Closing Date: 30 September

Plan, organise and control construction projects.

The School of Construction Economics and Management offers professionally recognised qualifications in construction management, property studies and quantity surveying.

The three-year Bachelor of Science (BSc) in Construction Studies forms the foundation of these professional fields and gives you insights into how they interact. This will help you decide which professional field to pursue at Honours level.

Construction managers plan, organise and control all aspects of large and complex construction projects. They have highly developed managerial skills and advanced technical knowledge of construction processes. They work in construction companies, insurance organisations, manufacturing organisations and government departments, as property developers and project management consultants.

The BSc in Construction Studies is accredited by the South African Institute of Building; the Chartered Institute of Building, UK (CIOB); the Royal Institution of Chartered Surveyors, UK (RICS); the South African Council of Quantity Surveying Profession; and the South African Council for Project and Construction Management Professions.

CAREERS

- Careers within local Authorities and Government
- Commercial Trading as a Materials or Equipment Supplier
- Construction Management
- Project Management
- Quantity Surveying Practice
- Subcontractor in the Construction Industry

PROGRAMME OUTLINE

First year

- Introductory Statistics for Construction
- Construction Drawings
- Construction Materials and Environment
- Construction Technology I
- Communication Skills
- Quantities and Specifications I
- Commercial Law I
- Mathematics
- Physics

Second year

- Building Science I
- Construction Technology II
- Quantities and Specifications II
- Site Management
- Accounting Principles in Construction
- Civil Engineering Theory I
- Economics IA **AND** IB
- Engineering Surveying
- Practical Experience II

Third year

- Professional and Research Skills
- Quantities and Specifications III
- Construction Technology III
- Estimating and Analysis of Prices
- Management Principles in Construction
- Building Science II
- Introduction to Construction Management
- Property Studies
- Civil Engineering Theory II
- Civil Engineering Theory III
- Business Enterprise Law
- Practical Experience III

Property Studies

Bachelor of Science in Construction Studies (in the field of Property Studies)
FBA06
Duration: 3 years

NSC REQUIREMENTS
APS 36+
English Home Language OR First Additional Language Level 5
Mathematics Level 5
Waitlisting
Applicants with an APS of 30-35 will be wait-listed subject to place availability.
International Qualifications: Page 17

Closing Date: 30 September

Provide spaces that sufficiently meet organisational requirements.

Property is a high-demand finite resource that supports economic activity and influences the cost of goods and services. It forms the major asset value in corporate balance sheets, with most corporate debt secured against it. The challenge for the property practitioner is to provide spaces that efficiently meet organisational requirements. This requires a combination of legal, financial and engineering skills.

The three-year Bachelor of Science (BSc) in Construction Studies (in the field of Property Studies) programme provides comprehensive training in most aspects of the property business, including finance, investment, development and valuation. You can also specialise in corporate real estate and facilities management.

You will get a strong understanding of the fundamentals, including introduction to property, business and property, applications of mathematics, statistics, law and planning. You will also receive training in finance, market analysis, investment finance and property valuation, as well as skills training, including oral and written communication, the ability to work in teams, financial statement analysis, valuation and financial modelling.

This gives you the practical experience you need to start working in finance, property asset management, letting and leasing, banking, property development and valuations, in the public and private sectors.

CAREERS

· Banking, Investment and Finance · Built Environment Analyst · Consulting · Damage Assessor
· Development and Corporate Real Estate · Policy Analyst · Property Management · Property Valuation

PROGRAMME OUTLINE

First year

- Planning for Property Developers
- Communication Skills
- Real Estate Principles
- Economics IA - Microeconomics
- Economics IB - Macroeconomics
- Commercial Law
- Mathematics for Property Studies
- Business Statistics

Second year

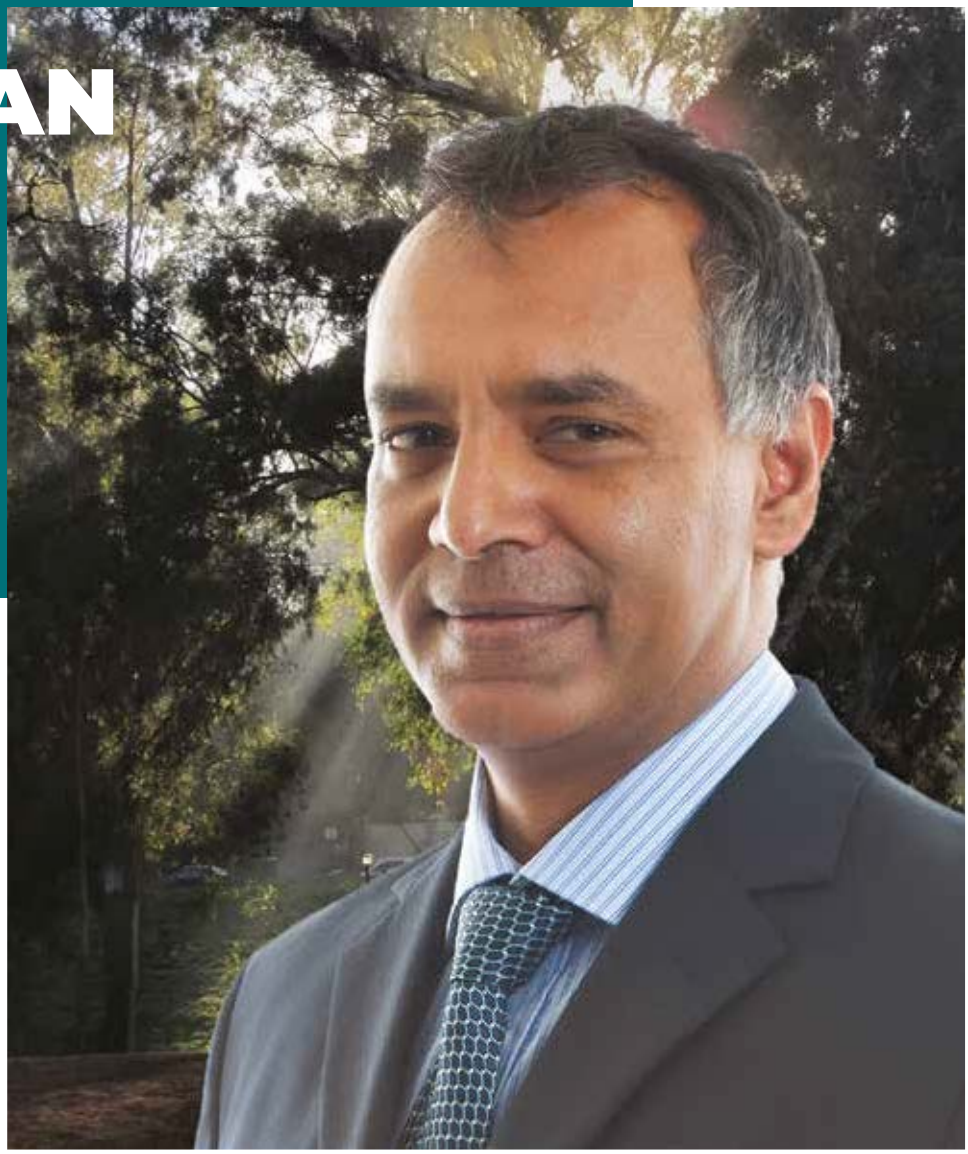
- Construction Technology
- Accounting Principles for Construction
- Econometrics for Property Studies
- Real Estate Market Analysis
- Real Estate Law
- Urban Economics
- Real Estate Corporate Finance
- Building Technology I

Third year

- Building Science I
- Construction Technology II
- Real Estate Valuation
- Professional and Research Skills
- Real Estate Finance
- Real Estate Management
- Environmental Impact Assessment
- Building Services
- Building Technology II

Message FROM THE DEAN

FACULTY OF
HEALTH SCIENCES



For more than a century, our Faculty has produced some of the world's most pioneering and innovative individuals, clinicians, researchers and healthcare workers who have gone on to shape global health policy and transform the healthcare industry. At Wits, students trained in the Faculty of Health Sciences are equipped with the relevant skills in order to be responsive to the health challenges of South Africa. Our objective is to create an enabling environment that supports students in achieving beyond their professional career goals and ignites a passion for research across all levels of the academy.
As a student, you will have the opportunity to leverage from the best teachers globally, in modalities that are adopted in line with international trends. This includes hybridised teaching and learning, an offshoot of the Covid-19 pandemic that has accelerated the focus in the Faculty in terms of how we conduct research and training. Join us at the frontline as we meet the many challenges facing us as a country. Be part of a legacy that makes Wits what it is today, an internationally recognised institution of academic and research excellence.

PROFESSOR SHABIR MADHI

Accreditation

The Faculty of Health Sciences is ranked 77th in the world by the Times Higher Education World subject rankings for clinical, pre-clinical and health subjects.

Faculty of HEALTH SCIENCES

We pride ourselves on a legacy of excellence. Our research impacts directly on improving and saving lives of people everyday.

Honours Programmes are now available in Public Health and in Clinical Medical Practice.

CHOOSE YOUR Programme

The Faculty of Health Sciences offers:
The Bachelor of Health Sciences (BHSc), in three fields of study

The undergraduate qualification meets the needs of a number of health-related industries, including biotechnology, forensic science, health service and hospital management, health policy and economics, insurance and medical aid, medical science and research, the pharmaceutical industry, and sport and fitness.

Degrees are also offered in:

The Bachelor of Health Sciences (BHSc)

The entry-level Bachelor of Health Sciences degree has a scientific and global health emphasis. The undergraduate qualification meets the needs of a number of health-related industries, including biotechnology, forensic science, health service and hospital management, health policy and economics, insurance and medical aid, medical science and research, the pharmaceutical industry and sport and fitness.The Bachelor of Health Sciences offers three fields of study: Biokinetics, Biomedical Sciences and Health Systems Sciences (refer to Pages 77-79).

Biokinetics

Bachelor of Health Sciences in the field of Biokinetics

MBA05
Duration: 3 years

NSC REQUIREMENTS

English Home Language OR
First Additional Language Level 5
Mathematics Level 5
Life Sciences AND/OR Physical Science Level 5

The Faculty of Health Sciences uses a composite index score to guide applicant selection. This includes:

1. Your matric academic results for five subjects: English, Mathematics, best of Physical Science/ Life Sciences and the best two other subjects. We consider the percentage achieved, not the symbol.
2. National Benchmark Test (NBT) scores.

Each of the two components carries a 50% weighting.

All applicants must write the NBT. Refer to Page 90 for more information on the NBT. Applicants applying to the Graduate Entry Medical Programme (GEMP) only, as well as applicants who are in their final year of study towards a Bachelor's degree, or who have already completed a Bachelor's degree, are not required to write the NBT.
International Qualifications: Page 19

Closing Date: 30 June

Apply scientifically based physical activity to prevent disease or assist in rehabilitation.

Biokinetics gives you the knowledge and skill you need to apply scientifically based physical activity, either to help prevent disease or assist in rehabilitation following the onset of disease.

Biokineticists offer specialised exercise rehabilitation for people with orthopaedic injuries, sports injuries and chronic diseases.

This is an entry-level degree with a strong scientific focus. If you major in Physiology and Exercise Science, you can apply for the Bachelor of Health Sciences with Honours in Biokinetics programme. The BHSc(Hons) degree is offered through the Centre for Exercise Science and Sports Medicine. It allows you to pursue studies and professional training as a Biokineticist.

CAREERS

· Biokineticist · Exercise and Healthcare Scientist/ Researcher · Exercise Physiologist · Sports Massage Therapist · Sports Scientist

PROGRAMME OUTLINE

First year

· Introduction to Medical Sciences
· Chemistry
· Physics
· Health Systems Sciences
· System Dynamics for Health Sciences

Second year

· Human Anatomy
· Exercise Science
· Physiology and Medical Biochemistry

Third year

· Physiology
· Exercise Science

Biomedical Sciences

Bachelor of Health Sciences in the field of Biomedical Sciences

MBA05
Duration: 3 years

NSC REQUIREMENTS

English Home Language OR
First Additional Language Level 5
Mathematics Level 5
Life Sciences AND/OR Physical Science Level 5

The Faculty of Health Sciences uses a composite index score to guide applicant selection. This includes:

1. Your matric academic results for five subjects: English, Mathematics, best of Physical Science/ Life Sciences and the best two other subjects. We consider the percentage achieved, not the symbol.
2. National Benchmark Test (NBT) scores.

Each of the two components carries a 50% weighting.

All applicants must write the NBT. Refer to Page 90 for more information on the NBT. Applicants applying to the Graduate Entry Medical Programme (GEMP) only, as well as applicants who are in their final year of study towards a Bachelor's degree, or who have already completed a Bachelor's degree, are not required to write the NBT.
International Qualifications: Page 19

Closing Date: 30 June

Study the cells, organs and system functions of the human body.

Biomedical Sciences offers exciting opportunities within the biological sciences such as molecular medicine, physiology, applied anatomy and pharmacology.

In the first two years, students will cover the fundamental topics in biomedical science: Cell Biology, Human Anatomy and Physiology.

Honours degrees are available for many of the major subjects completed within the Bachelor of Health Sciences degree including Forensic Sciences, Human Genetics, Human Biology, Medical Cell Biology and Physiology, Anatomical Pathology, Chemical Pathology, Clinical Microbiology and Infectious Diseases and Immunology.

CAREERS

• Biomedical Scientist • Forensic Scientist • Healthcare Scientist• Medical Sales Representative • Microbiologist • Research Scientist • Science Journalist/Writer

PROGRAMME OUTLINE

First year

• Introduction to Medical Sciences
• Chemistry
• Physics
• Health Systems Sciences
• System Dynamics for Health Sciences

Second year

• Human Anatomy
• Molecular Medicine
• Physiology and Medical Biochemistry

Third year

Two of the following courses:*
• Human Biology
• Medical Cell Biology
• Molecular Medicine
• Pharmacology
• Physiology

**Not all course combinations may be available due to timetable constraints and content overlap.*

Health Systems Sciences

Bachelor of Health Sciences in the field of Health Systems Sciences

MBA05
Duration: 3 years

NSC REQUIREMENTS

English Home Language OR
First Additional Language Level 5
Mathematics Level 5
Life Sciences AND/OR Physical Science Level 5

The Faculty of Health Sciences uses a composite index score to guide applicant selection. This includes:

1. Your matric academic results for five subjects: English, Mathematics, best of Physical Science/ Life Sciences and the best two other subjects. We consider the percentage achieved, not the symbol.
2. National Benchmark Test (NBT) scores.

Each of the two components carries a 50% weighting.

All applicants must write the NBT. Refer to Page 90 for more information on the NBT. Applicants applying to the Graduate Entry Medical Programme (GEMP) only, as well as applicants who are in their final year of study towards a Bachelor's degree, or who have already completed a Bachelor's degree, are not required to write the NBT.
International Qualifications: Page 19

Closing Date: 30 June

Study public health and the incidence, distribution and control of diseases.

The Health Systems Sciences degree covers the factors and processes that contribute to disease outbreak and control. It includes a combined Anatomy and Physiology module to help you to understand the underlying principles of health and disease.

You will also gain a basic understanding of disease epidemiology, leading into courses dealing with public health, primary healthcare and health management and health systems.

You will also gain biostatistics skills to help you to interpret data. These critical skills are in short supply in southern Africa.

An Honours Programme in Public Health is now available.

NEW AND EXCITING CAREER OPPORTUNITIES IN:

- Epidemiology
- Health Systems Management
- Public Health

PROGRAMME OUTLINE

First year

- Introduction to Medical Sciences
- Chemistry
- Physics
- Health Systems Sciences
- System Dynamics for Health Sciences

Second year

- Applied Anatomy and Physiology
- Health Systems Sciences
- Public Health

Third year

- Health Systems Sciences
- Public Health

Clinical Medical Practice

Bachelor of Clinical Medical Practice

MBA01
Duration: 3 years

NSC REQUIREMENTS
English Home Language OR
First Additional Language Level 4
Mathematics Level 4 **OR Maths Literacy** Level 7
Life Sciences AND/OR Physical Science Level 4
The Faculty of Health Sciences uses a composite index score to guide applicant selection.
This includes:

1. Your matric academic results for five subjects: English, Mathematics or Maths Literacy, best of Physical Science/Life Sciences and the best two other subjects. We consider the percentage achieved, not the symbol.
2. National Benchmark Test (NBT) scores.

Each of the two components carries a 50% weighting.

All applicants must write the NBT. Refer to Page 90 for more information on the NBT. Applicants applying to the Graduate Entry Medical Programme (GEMP) only, as well as applicants who are in their final year of study towards a Bachelor's degree, or who have already completed a Bachelor's degree, are not required to write the NBT. Note that the Clinical Medical Practice programme is offered to South African citizens only and that completion of the programme is not sufficient for applicants to be considered for admission into the Graduate Entry Medical Programme (GEMP).
International Qualifications: Page 19

Closing Date: 30 June

Practise medicine, provide treatment and improve patient care under a doctor's supervision.

The Clinical Medical Practice programme aims to develop mid-level healthcare workers, called clinical associates. They have the knowledge, attitude and psychomotor skills to assist doctors and healthcare teams in improving patient care and especially in providing treatment in rural and disadvantaged communities. Clinical associates practice medicine in government hospitals and clinics, for NGOs providing care and for the private healthcare sector, under the license of a medical practitioner. They are registered with the Health Professions Council of South Africa.

As a qualified clinical associate, you will:

- Perform patient consultations and physical examinations, including assessment and management of patients in casualty or emergency wards, for all common medical conditions.
- Perform routine procedures under supervision, in hospital wards, emergency departments, outpatient departments and clinics.

You will be taught mainly at district hospitals but also at other hospitals and at the Parktown Health Sciences Campus. The three-year, full-time clinical associate programme aims to develop sound knowledge of the medical and clinical sciences and facilitates understanding of medical conditions and management strategies. You need detailed knowledge of biomedical sciences in areas related to procedural performance.

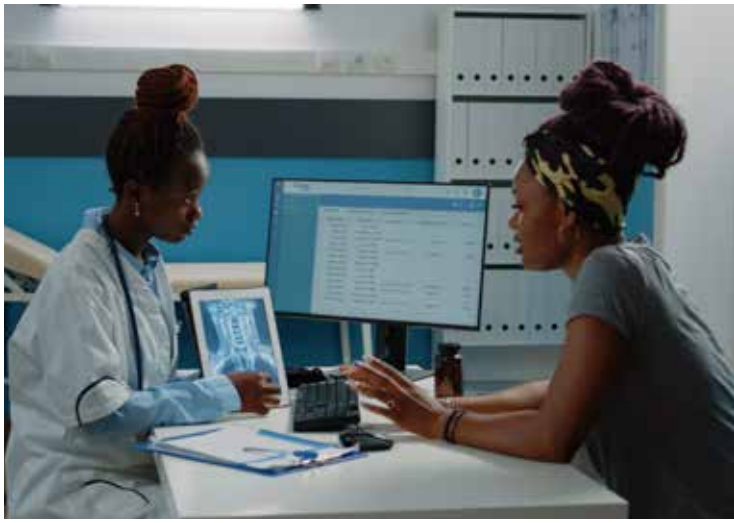
An Honours Programme in Clinical Medical Practice is now available.

CAREERS

Clinical Associates are mid-level healthcare workers who have the necessary knowledge, attitudes and psychomotor skills to be able to, under the supervision of a doctor, assist health care team members to improve patient care especially in rural and disadvantaged communities.

PROGRAMME OUTLINE

First year
Fundamentals of Medical and Clinical Science
Second year
Fundamentals of Clinical Medical Practice
Third year
Applied Clinical and Medical Practice



Dental Science

Bachelor of Dental Science

MFA08
Duration: 5 years

NSC REQUIREMENTS

English Home Language OR
First Additional Language Level 5
Mathematics Level 5
Life Sciences Level 5
Physical Science Level 5

The Faculty of Health Sciences uses a composite index score to guide applicant selection. This includes:

1. Your matric academic results for five subjects: English, Mathematics, best of Physical Science/ Life Sciences and the best two other subjects. We consider the percentage achieved, not the symbol.
2. National Benchmark Test (NBT) scores

Each of the two components carries a 50% weighting. All applicants must write the NBT. Refer to Page 90 for more information on the NBT. Applicants applying to the Graduate Entry Medical Programme (GEMP) only, as well as applicants who are in their final year of study towards a Bachelor's degree, or who have already completed a Bachelor's degree, are not required to write the NBT.
All applicants to the Bachelor of Dental Science and the Bachelor of Oral Health Sciences must spend time observing specific procedures as performed by a Dentist/Dental Therapist/Oral Hygienist to gain insight into the profession. Applicants must complete a job shadowing certificate of attendance (minimum 16 hours). Only observation hours completed between 1 July 2022 and 31 July 2023 will be accepted. Please download the form from: www.wits.ac.za/undergraduate/apply-to-wits/ under Additional Forms. Applicants who fail to submit a certificate will not be considered for admission.
International Qualifications: Page 19

Closing Date: 30 June

Diagnose, treat and prevent diseases of the teeth, mouth tissue and supporting bones of the mouth.

Modern dentistry has moved beyond the scope of the 'drilling and filling' of the past.

Today, dentists manage diseases and abnormalities of the face, jaws, joints and soft tissue lining of the mouth. They offer comprehensive care for the entire oral and facial system.

The Bachelor of Dental Science (BDS) is a five-year, full-time course. Years one to three focus on bioethics, health law and dental sciences. Years four and five focus on understanding the medical, dental, social and community context of dental clinical practice. You will be required to complete one year of community service after graduating. If you are registering for the BDS for the first time, you must register with the Health Professions Council of South Africa (HCPSA).

CAREER

Dentists work in different locations, including in community, industrial, private practice and public service clinics.

PROGRAMME OUTLINE

First year

- Anatomy for Dental Students
- Physiology and Medical Biochemistry
- Bioethics and Health Law
- Fundamental Dental Skills
- Community Dentistry
- Dental Materials for Dental Students

Second year

- Pathology (Anatomical and Haematological)
- Oral Biology for Dental Students
- Medical Microbiology
- Oral Microbiology
- Paediatric, Endodontic and Restorative Dentistry
- Prosthodontics

Third year

- Oral Pathology
- Pharmacology
- Maxillo-Facial and Oral Radiology II
- Emergency Medicine
- Community Dentistry II
- Prosthodontics II
- Maxillo-Facial and Oral Surgery I
- Paediatric, Endodontic and Restorative Dentistry II
- Orthodontics I
- Periodontology
- Integrated Dentistry I
- Dental Materials for Dental Students II
- Dental Practice Management I

Fourth year

- General Medicine and Paediatrics for Dental Students
- General Surgery
- Integrated Dentistry II
- Prosthodontics III
- Paediatric, Endodontic and Restorative Dentistry III
- Periodontology and Oral Medicine
- Maxillo-Facial and Oral Radiology II
- Orthodontics II
- Maxillo-Facial and Oral Surgery II
- Community Dentistry III
- Bioethics and Health Law II
- Dental Practice Management II

Fifth-year

- Anaesthetics
- Community Dentistry IV
- Integrated Dentistry III

Oral Health Sciences

Bachelor of Oral Health Sciences (Oral Hygiene)

MBA04
Duration: 3 years

NSC REQUIREMENTS

English Home Language OR First Additional Language Level 4
Mathematics Level 4 **OR Maths Literacy** Level 7
Life Sciences AND/OR Physical Science Level 4
The Faculty of Health Sciences uses a composite index score to guide applicant selection. This includes:

1. Your matric academic results for five subjects: English, Mathematics OR Maths Literacy, best of Physical Science/Life Sciences and the best two other subjects. We consider the percentage achieved, not the symbol.
2. National Benchmark Test (NBT) scores.

Each of the two components carries a 50% weighting. All applicants must write the NBT. Refer to Page 90 for more information on the NBT. Applicants applying to the Graduate Entry Medical Programme (GEMP) only, as well as applicants who are in their final year of study towards a Bachelor's degree, or who have already completed a Bachelor's degree, are not required to write the NBT.

All applicants to the Bachelor of Dental Science and the Bachelor of Oral Health Sciences must spend time observing specific procedures as performed by a Dentist/Dental Therapist/Oral Hygienist to gain insight into the profession. Applicants must complete a job shadowing certificate of attendance (minimum 16 hours). Only observation hours completed between 1 July 2022 and 31 July 2023 will be accepted. Please download the form from: www.wits.ac.za/undergraduate/apply-to-wits/ under Additional Forms. Applicants who fail to submit a certificate will not be considered for admission.
International Qualifications: Page 19

Closing Date: 30 June

Help patients to safeguard their oral hygiene.

Oral hygienists focus on the prevention of oral disease and the maintenance of good oral hygiene.

The Oral Health Sciences programme aims to address and improve the oral health needs of patients and communities. You will learn how to deliver appropriate oral hygiene services in a wide range of settings, like schools, private practices, academia, research, community health centres, sales and marketing and military health.

Oral hygienists work in the government sector, universities, private surgeries, private companies and research institutions.

Wits is one of few oral health training institutes in South Africa and has a reputation for producing world-class dental professionals. You can also pursue postgraduate studies once you've completed the programme.

CAREERS

Oral Hygienists work in community, industrial, private practice and public service clinics.

PROGRAMME OUTLINE

First year

- Anatomy
- Oral Biology and Physiology for Dental Auxiliaries
- Fundamentals of Clinical Oral Health
- Behavioural and Social Sciences for Dental Auxiliaries
- Oral Microbiology for Dental Auxiliaries
- Oral Pathology for Dental Auxiliaries

Second year

- Integrated Clinical Dentistry for Oral Hygienists
- Bioethics for Dental Auxiliaries I
- Community Dentistry for Dental Auxiliaries
- Fundamentals of Clinical Oral Health I

Third year

- Applied Research and Dental Practice Management for Dental Auxiliaries
- Bioethics for Dental Auxiliaries II
- Community Dentistry for Dental Auxiliaries II
- Fundamentals of Clinical Oral Health II

Medicine

Bachelor of Medicine and Bachelor of Surgery

MFA00
Duration: 6 years

NSC REQUIREMENTS

English Home Language OR First Additional Language Level 5
Mathematics Level 5
Life Sciences AND/OR Physical Science Level 5

The Faculty of Health Sciences uses a composite index score to guide applicant selection. This includes:

1. Your matric academic results for five subjects: English, Mathematics, best of Physical Science/ Life Sciences and the best two other subjects. We consider the percentage achieved, not the symbol.
2. National Benchmark Test (NBT) scores.

Each of the two components carries a 50% weighting.

All applicants must write the NBT. Refer to Page 90 for more information on the NBT. Applicants applying to the Graduate Entry Medical Programme (GEMP) only, as well as applicants who are in their final year of study towards a Bachelor's degree, or who have already completed a Bachelor's degree, are not required to write the NBT.

Admission into MBBCh:

There are two entry points into the MBBCh:

- First year, for applicants currently in Grade 12, and
- Third year, for applicants who have completed a relevant degree (GEMP).

No application to second year will be considered. Applicants who are currently studying or who have studied at a tertiary institution are advised to complete their studies and then apply for admission to the GEMP.

Do you already have a degree?

The GEMP offers an entry point into the third year of the MBBCh degree at Wits for suitably qualified graduates who want to become doctors. Years three to six of the MBBCh programme cover integrated multidisciplinary and clinical courses. As each year of study is compulsory, no student may be admitted into the programme after the third year.

For more information, visit: www.wits.ac.za/health/gemp/
International Qualifications: Page 19

Closing Date: 30 June

Surgeons, paediatricians, pathologists, radiologists and family medicine practitioners start with an MBBCh.

An MBBCh degree opens doors to exciting and challenging careers. In addition, there is a critical need in South Africa's under-served areas for doctors to provide quality preventative, diagnostic and therapeutic services.

The country offers modern facilities in both academic and private practice settings, with the opportunity to perform research at many levels.

CAREERS

Areas of Specialisation:
· Anaesthesiology · Clinical Microbiology and Infectious Disease · Community Health · Family Medicine · Forensic Medicine · Internal Medicine · Obstetrics and Gynaecology · Ophthalmology · Pathology · Paediatrics · Psychiatry · Radiology · Surgery

PROGRAMME OUTLINE (SUBJECT TO CHANGE)

First year

- Introduction to Medical Sciences I
- Chemistry I
- Physics I
- Sociological Foundations of Health
- Psychological Foundations of Health
- System Dynamics for Medical Students

Second year

- Human Anatomy
- Molecular Medicine
- Physiology and Medical Biochemistry I
- Medical Thought and Practice II

Third year

Integrated Basic Medical and Human Sciences A

Fourth year

Integrated Basic Medical and Human Sciences B

Fifth-year

Integrated Clinical Medicine A

Sixth-year

Integrated Clinical Medicine B

Nursing

Bachelor of Nursing

MFA07
Duration: 4 years

NSC REQUIREMENTS

English Home Language OR First Additional Language Level 4
Mathematics Level 4
Life Sciences AND/OR Physical Science Level 4
The Faculty of Health Sciences uses a composite index score to guide applicant selection. This includes:

1. Your matric academic results for five subjects: English, Mathematics, best of Physical Science/ Life Sciences and the best two other subjects. We consider the percentage achieved, not the symbol.
2. National Benchmark Test (NBT) scores.

Each of the two components carries a 50% weighting.

All applicants must write the NBT. Refer to Page 90 for more information on the NBT. Applicants applying to the Graduate Entry Medical Programme (GEMP) only, as well as applicants who are in their final year of study towards a Bachelor's degree, or who have already completed a Bachelor's degree, are not required to write the NBT.
International Qualifications: Page 19

Closing Date: 30 June

Work with patients, families, communities and healthcare teams to improve health and quality of life.

Nursing combines compassion, knowledge and sophisticated health technology to restore, maintain and promote the health of individuals, groups or communities. Nursing is both an art and a science: caring, compassionate relationships blended with the development and application of nursing knowledge, techniques and ethics.

As a Wits nursing student, you will study in a rigorous and vibrant multidisciplinary environment that will stimulate your intellectual inquiry and professional responsiveness. You will learn in small groups and engage in cooperative learning as you work through real-life health scenarios, deciding how to access information that produces the best results in managing health issues.

Nurses practice in a range of settings, including hospitals, community clinics, industry, the military, private practices, homes and in specialised areas such as hospice and rehabilitation and aged care facilities.

Wits offers opportunities for further study in nursing.

CAREERS

· General Nursing · Child Nursing · Intensive Care Nursing · Nursing Education · Nephrology Nursing · Oncology and Palliative Nursing · Psychiatric Nursing · Research · Trauma and Emergency Nursing · Midwife

PROGRAMME OUTLINE

First year

· Introduction to Medical Sciences
· Human Behavioural Sciences I
· Integrated General Nursing Sciences I
· Anatomy for Nursing Sciences I

Second year

· Physiology and Medical Biochemistry
· Microbiology
· Integrated General Nursing Sciences II

Third year

· Pharmacology
· Midwifery I
· Integrated General Nursing Sciences III

Fourth year

· Midwifery II
· Integrated General Nursing Sciences IV

Occupational Therapy

Bachelor of Science in Occupational Therapy

MFA03
Duration: 4 years

NSC REQUIREMENTS

English Home Language OR First Additional Language Level 4
Mathematics Level 4
Life Sciences AND/OR Physical Science Level 4
The Faculty of Health Sciences uses a composite index score to guide applicant selection. This includes:

1. Your matric academic results for five subjects: English, Mathematics, best of Physical Science/Life Sciences and the best two other subjects. We consider the percentage achieved, not the symbol.
2. National Benchmark Test (NBT) scores.

Each of the two components carries a 50% weighting. All applicants must write the NBT. Refer to Page 90 for more information on the NBT. Applicants applying to the Graduate Entry Medical Programme (GEMP) only, as well as applicants who are in their final year of study towards a Bachelor's degree, or who have already completed a Bachelor's degree, are not required to write the NBT.

All applicants to BSc(Occupational Therapy) must spend time observing a professional occupational therapist and complete a job shadowing certificate of attendance (minimum: 16 hours). Only observation hours completed between 1 July 2022 and 31 July 2023 will be accepted. You can download a certificate of attendance form from the Wits website, under Additional Forms: www.wits.ac.za/undergraduate/apply-to-wits
Without this certificate, you will not be considered for admission to the programme.
International Qualifications: Page 19

Closing Date: 30 June

Help patients who are temporarily or permanently impaired by illness, accident, disability, environmental limitations, or developmental delay, to increase their independent function.

Occupational Therapy is the therapeutic use of self-care, work, education, play, leisure and social activities to increase independent function, enhance development, promote health and well-being and prevent disability. It is indicated when people lose their ability to carry out their everyday activities, due to temporary or permanent illness, disability, environmental limitations and developmental delay.

WHAT DO OCCUPATIONAL THERAPISTS DO?

Occupational therapists assess a person's ability to engage in daily activities. They then engage the person in meaningful and culturally appropriate activities to maximise their functioning and well-being. This engagement empowers the person to be as independent as possible and enhances dignity and quality of life at work, school, at home and during leisure. Intervention may include adapting the person's environment to help them to cope.

Occupational Therapy is practised in a wide range of public, private and voluntary settings, like the person's home, schools, workplaces, health centres, supported accommodation, housing for seniors, rehabilitation centres, hospitals and forensic services.

CAREERS

- Aged Care Facilities
- Community Health Centres
- Home Care Services
- Hospitals and Rehabilitation Units
- Independent Living and Respite Centres
- Private Practice
- Psychiatric Clinics
- Schools and Education Facilities
- Vocational Rehabilitation Centres

PROGRAMME OUTLINE

First year

- Introduction to Medical Sciences
- Chemistry I
- Fundamentals of Occupational Science and Occupational Therapy I
- Physics I
- Introduction to Psychology I
- Basic Principles of Group and Individual Psychology I
- Human Behavioural Sciences I

Second year

- Anatomy for Physiotherapy and Occupational Therapy Students II
- Fundamentals of Occupational Science and Occupational Therapy II
- Physiology and Medical Biochemistry I

Third year

- Occupational Therapy III applied to Physical Conditions
- Occupational Therapy III applied to Psychiatric Conditions
- Medicine and Surgery for Occupational Therapy
- Science of Occupation II
- Psychiatry in Relation to Occupational Therapy
- Health Psychology
- Research Design and
- Analysis

Fourth year

- Science of Occupation III
- Occupational Therapy as applied to Psychiatric Conditions
- Occupational Therapy as applied to Physical Conditions

Pharmacy

Bachelor of Pharmacy

MFA04
Duration: 4 years

NSC REQUIREMENTS
English Home OR First Additional Language Level 5
Mathematics Level 5
Life Sciences AND/OR Physical Science Level 5
The Faculty of Health Sciences uses a composite index score to guide applicant selection.
This includes:

1. Your matric academic results for five subjects: English, Mathematics, best of Physical Science/Life Sciences and the best two other subjects. We consider the percentage achieved, not the symbol.
2. National Benchmark Test (NBT) scores.

Each of the two components carries a 50% weighting.

All applicants must write the NBT. Refer to Page 90 for more information on the NBT. Applicants applying to the Graduate Entry Medical Programme (GEMP) only, as well as applicants who are in their final year of study towards a Bachelor's degree, or who have already completed a Bachelor's degree, are not required to write the NBT.
International Qualifications: Page 19

Closing Date: 30 June

Pharmacists screen people for early signs of disease, using advanced methods to provide sound pharmaceutical care. Be at the forefront of game-changing medical innovations.

Pharmacists are experts on the action and use of drugs, including their chemistry, formulation into medicines and how they are used to manage diseases. The profession is dynamic; continually expanding in new directions and offering interdisciplinary professional education and work-based learning opportunities.

Over time, the paradigm has shifted from traditional compounding and dispensing of medicines to a more patient-orientated, research-led professional advisory and primary healthcare role.

Pharmacists screen people for early signs of disease, using advanced methods to provide sound pharmaceutical care. They are also specialists in the formulation, manufacture, storage, dispensing, counselling and controlling of medicines. They provide advice on medications used to treat illnesses and ensure optimal drug therapy.

Clinical pharmacy involves screening patients for chronic diseases and implementing appropriate care and advice to improve patient outcomes. You will learn how to screen for chronic diseases through our Screening and Testing Programme for Pharmacy Students (STEPPS) and in our Clinical Pharmacy programme, which uses state-of-the-art screening equipment.

Pharmaceutical research develops new, safer, more effective medicines. As a Wits Pharmacy graduate, you will be exposed to cutting-edge global research and distinctive research-led pharmacy education from our Wits Advanced Drug Delivery Platform (WADDP) unit, as well as aseptic concepts in Pharmaceutical Microbiology and Natural Products development.

CAREERS

The Pharmacy degree provides training in a wide range of interrelated disciplines and therefore offers a variety of career opportunities to graduates that include:

· Academia and Research · Community Pharmacy · Hospital Pharmacy · Industrial Pharmacy · Managed Healthcare

Other areas in which Pharmacists are involved:

· Adverse Drug Reaction Monitoring · Clinical Trials· Contract Research · Drug Abuse Counselling · Drug Information Centres · Drug Stewardship · Drug Utilisation Reviews · Intellectual Property of Pharmaceuticals · Medicines Control Council · Pharmacovigilance · Pharmaco-Economics · Professional Regulatory Bodies · Poison Information Centres · Publishing of Pharmaceutical Research

PROGRAMME OUTLINE

First year

· Introduction to Medical Sciences I
· Chemistry I
· Physics I
· Pharmaceutical Practice
· Health Systems Sciences I

Second year

· Anatomy for Pharmacy Students
· Physiology and Medical Biochemistry I
· Pharmaceutical Chemistry I
· Pharmaceutics I
· Pharmacy Practice I

Third year

· Pathology
· Medical Microbiology
· Pharmaceutical Chemistry II
· Clinical Pharmacy II
· Pharmacy Practice II
· Pharmaceutics II
· Pharmacology I

Fourth year

· Pharmaceutics III
· Pharmaceutical
· Chemistry III
· Special Undergraduate Research Project
· Clinical Pharmacy III
· Pharmacy Practice III
· Pharmacology II

Physiotherapy

Bachelor of Science in Physiotherapy

MFA02
Duration: 4 years

NSC REQUIREMENTS

English Home OR First Additional Language Level 5
Mathematics Level 5
Life Sciences AND/OR Physical Science Level 5

The Faculty of Health Sciences uses a composite index score to guide applicant selection.
This includes:

1. Your matric academic results for five subjects: English, Mathematics, best of Physical Science/ Life Sciences and the best two other subjects. We consider the percentage achieved, not the symbol.
2. National Benchmark Test (NBT) scores.

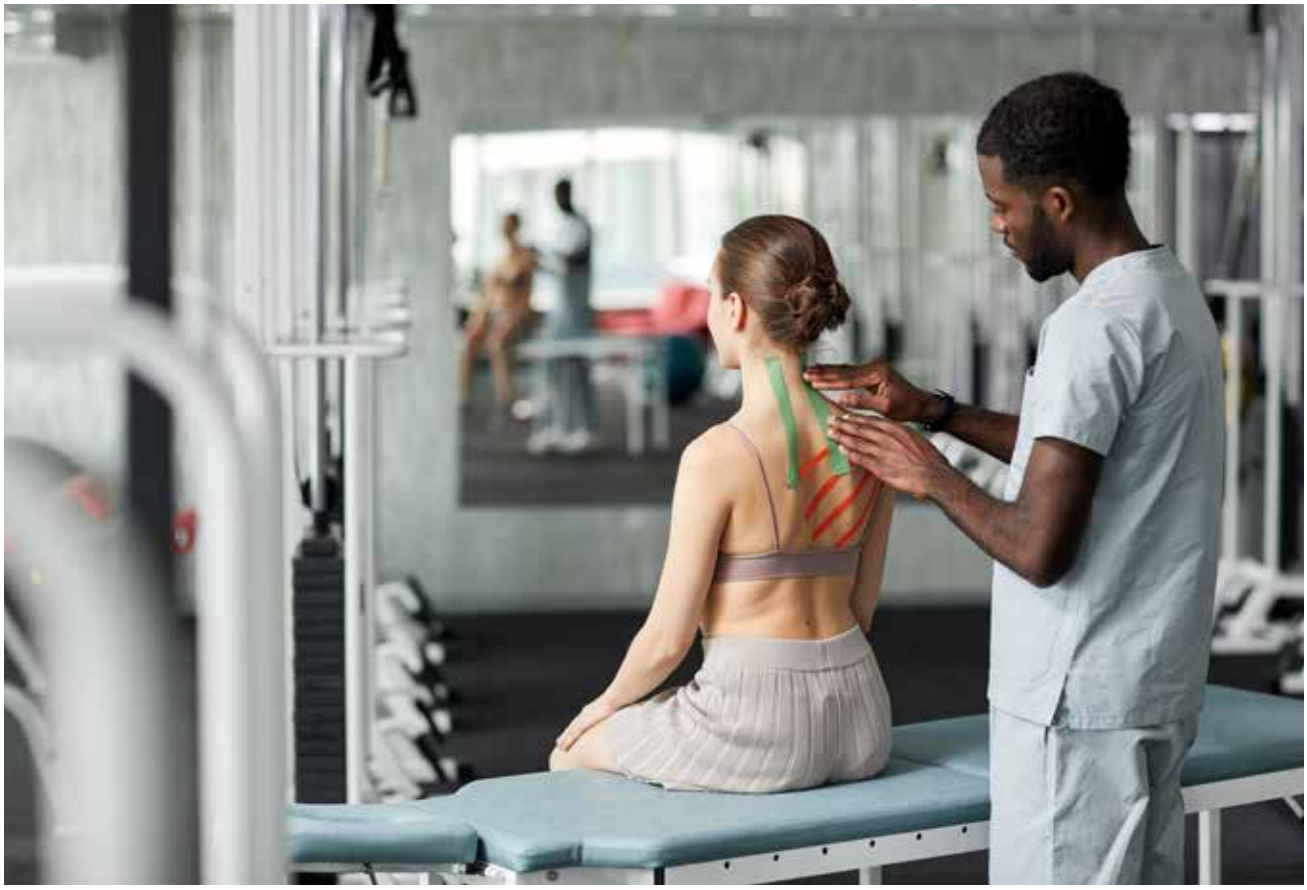
Each of the two components carries a 50% weighting. All applicants must write the NBT. Refer to Page 90 for more information on the NBT. Applicants applying to the Graduate Entry Medical Programme (GEMP) only, as well as applicants who are in their final year of study towards a Bachelor's degree, or who have already completed a Bachelor's degree, are not required to write the NBT.

All applicants to BSc(Physiotherapy) must spend time observing a professional physiotherapist and complete a job shadowing certificate of attendance (minimum: 16 hours). Only observation hours completed between 1 July 2022 and 31 July 2023 will be accepted. You can download a certificate of attendance form from the Wits website, under Additional Forms:
www.wits.ac.za/undergraduate/apply-to-wits
Without this certificate, you will not be considered for admission to the programme.

The Graduate Entry Physiotherapy Programme (GEPP) has been introduced to increase the number of physiotherapists in SA. The GEPP allows entry of suitably qualified applicants who meet certain minimum requirements into the second year of the BSc in Physiotherapy degree. This gives these students the opportunity to complete their undergraduate physiotherapy studies in a period of three years after which they enter their government mandated community service period.

International Qualifications: Page 19

Closing Date: 30 June



Uses health promotion, treatment, rehabilitation and exercise to prevent disability and restore patients' normal movement and physical function.

Physiotherapists aim to improve patients' quality of life through skilled evaluation and therapy that reduces their pain and restores movement and physical function. This often restores their ability to perform normal activities. Physiotherapy also aims to maintain patients' mobility, muscle strength and exercise endurance.

With this degree, you can work as part of a multi-disciplinary team in hospitals, clinics, community health centres, private practices, schools for children with disabilities, centres for people living with disabilities and sports centres.

CAREERS

The field of physiotherapy is vast, encompassing seven different areas, namely:

· Cardiopulmonary · Community Health · Neuromusculo-skeletal · Neurology · Orthopaedic · Paediatrics · Sport Physiotherapy (specialised branch of physiotherapy which deals with injuries and health of the sports person)

PROGRAMME OUTLINE

First year

· Introduction to Medical Sciences I
· Chemistry I
· Introduction to Physiotherapy I
· Physics I
· Introduction to Psychology I
· Basic Principles of Group and Individual Psychology I
· Human Behavioural Sciences I

Second year

· Anatomy for Physiotherapy and Occupational Therapy students
· Physiotherapy I
· Physiology and Medical Biochemistry

Third year

· Pharmacology
· Physiotherapy II
· Rehabilitation I
· Clinical Physiotherapy I
· General Medicine and Surgery
· Research Methodology Part I

Fourth year

· Management for Therapists
· Physiotherapy III
· Rehabilitation II
· Clinical Physiotherapy II
· Research Methodology Part II

HEALTH SCIENCES
Admission Requirements

NATIONAL BENCHMARK TESTS (NBT)

All Faculty of Health Sciences applicants, except those applying to the Graduate Entry Medical Programme (GEMP) only, those who are in their final year of a degree and those who have already completed a degree, must write the NBT before being considered for admission.

There are two tests: The Academic and Quantitative Literacy Test and the Mathematics Test. Your test results are used in addition to your Grade 11 results (for early decision-making purposes) and your Grade 12 results (for final decision-making purposes), as well as other admission criteria, to guide applicant selection.

PLEASE NOTE:

- If you score in the 'Basic' range (please refer to the Benchmark Performance Levels table below), you are unlikely to be considered for a place in the Health Sciences degrees. For more information on the performance levels, please refer to the NBT website: **http://www.nbt.ac.za**
- These are standard tests for all medical schools in South Africa. You only have to write the tests once, regardless of the number of schools you apply to.
- The test can be written in English or Afrikaans.

RULES FOR THE NBT

You must register on the NBT website, or via mobile phone, to write the tests. Registration closes about three weeks before each test date. You can register for the NBT before you submit your application to Wits. DO NOT wait for an official notification from Wits to register for and write the tests, because you may miss the August deadline (see below).

- The test fee can be paid once you have registered to write the test.
- The tests must be written by **13 August 2023.** Results received for tests written after this date WILL NOT be considered. You are encouraged to write the tests as early as possible.
- For a comprehensive list of test dates, registration dates and available venues, please refer to the NBT website.
- Both tests must be written in one session.
- ONLY the first attempt results will be considered for selection purposes, so, we advise against writing the tests more than once in a year.
- NBT results are valid for three years.

Wits Additional Placement Test (WAPT) for GEMP and GEPP Applicants

To calculate a composite index, all contributing components must be finalised (into a tertiary aggregate). You will be notified of your eligibility to write the WAPT, scheduled for September. This includes academic transcripts and all other pertinent documents.

If documents are not submitted by 15 July, we will not consider your application. This is why you need to start preparing well in advance of notification. You can find all information about the content and nature of each component of the tests on the GEMP website:

www.wits.ac.za/health/gemp

BENCHMARK PERFORMANCE LEVELS

Academic Literacy	**Min**	**Max**
Proficient	69	100
Intermediate	35	68
Basic	0	34
Quantitative Literacy		
Proficient	70	100
Intermediate	40	69
Basic	0	39
Maths		
Proficient	69	100
Intermediate	37	68
Basic	0	36

HEALTH SCIENCES
Compliance

Wits University takes seriously the risks that HIV/AIDS poses to our students. Before applying for admission, please be aware that you may be exposed to life-threatening diseases, including HIV/AIDS. While the main route of HIV infection is through unprotected sex, you should be aware that, in the occupational setting, there is an additional risk to students and healthcare professionals. The risk, however, is low (0,36% following a needle stick injury). However, to minimise the risk of occupational acquisition of HIV, you'll receive instruction in "Universal Precautions". When appropriate, instruction on post-exposure prophylaxis will also be provided. If you are HIV+, you may have a low immune system, which makes you vulnerable to certain infectious diseases that you may encounter in your daily activities in hospitals.

A health sciences practitioner without the necessary skills and expertise may endanger the patients he or she treats and infringe on the patient's fundamental human rights. We have identified the minimum training requirements to avoid this and you will have to adhere to a standard of ethical practice that supports an open and trusting relationship between the patient and the health professional.

Certain aspects of clinical practice, like history-taking, patient examination and basic patient care issues must be completed without influence from the individual's belief system. The Faculty of Health Sciences will not condone any personal belief system that prevents, interferes with, or is contrary to these minimum training requirements.

In practice, a number of situations have been noted, in which students' religious beliefs may conflict with programme requirements. These include but are not limited to:

- travelling on certain days, or travelling unaccompanied on certain journeys
- attending a certain venue for training purposes
- attending lectures at certain times of day
- examining patients of both genders
- acquiring appropriate clinical skills relating to Choice on Termination of Pregnancy (CTOP)/sterilisation procedures
- complying with certain clothing requirements, e.g. not wearing veils, which might impede or detract from patient care or appropriate training
- performing certain skills (e.g. scrubbing) in the available facilities
- being assessed on religious holidays that are not on the University's official list of approved holidays (published and placed on all notice boards at the start of each academic year)and
- being on intake duty on certain days or nights.

Such objections and failure to comply with programme requirements would interfere with the training offered by the Faculty. The student would therefore fail to meet the requirements for a particular course, as stipulated by a particular school or department. The final decision regarding assessment and whether requirements have been met remains with the school or department concerned.

The following situations are known to conflict with requirements:

- Wearing veils in any department, discipline requiring physical or personal interaction with patients, e.g. Psychiatry, Surgery, Emergency Medicine, etc., or where a specific dress code is required, e.g. Physiotherapy, Nursing, etc.
- Wearing veils in the School of Oral Health Sciences – in this case, students wearing veils will be required to identify themselves at the start of every clinical session and to conform to infection-control clothing protocols.
- Wearing veils in tests or exams – in this case, students wearing veils will need to identify themselves beforehand.

The process is guided by the following principles:

- Meeting the minimum requirements for training, as set by the Faculty; and
- A culture of religious tolerance.

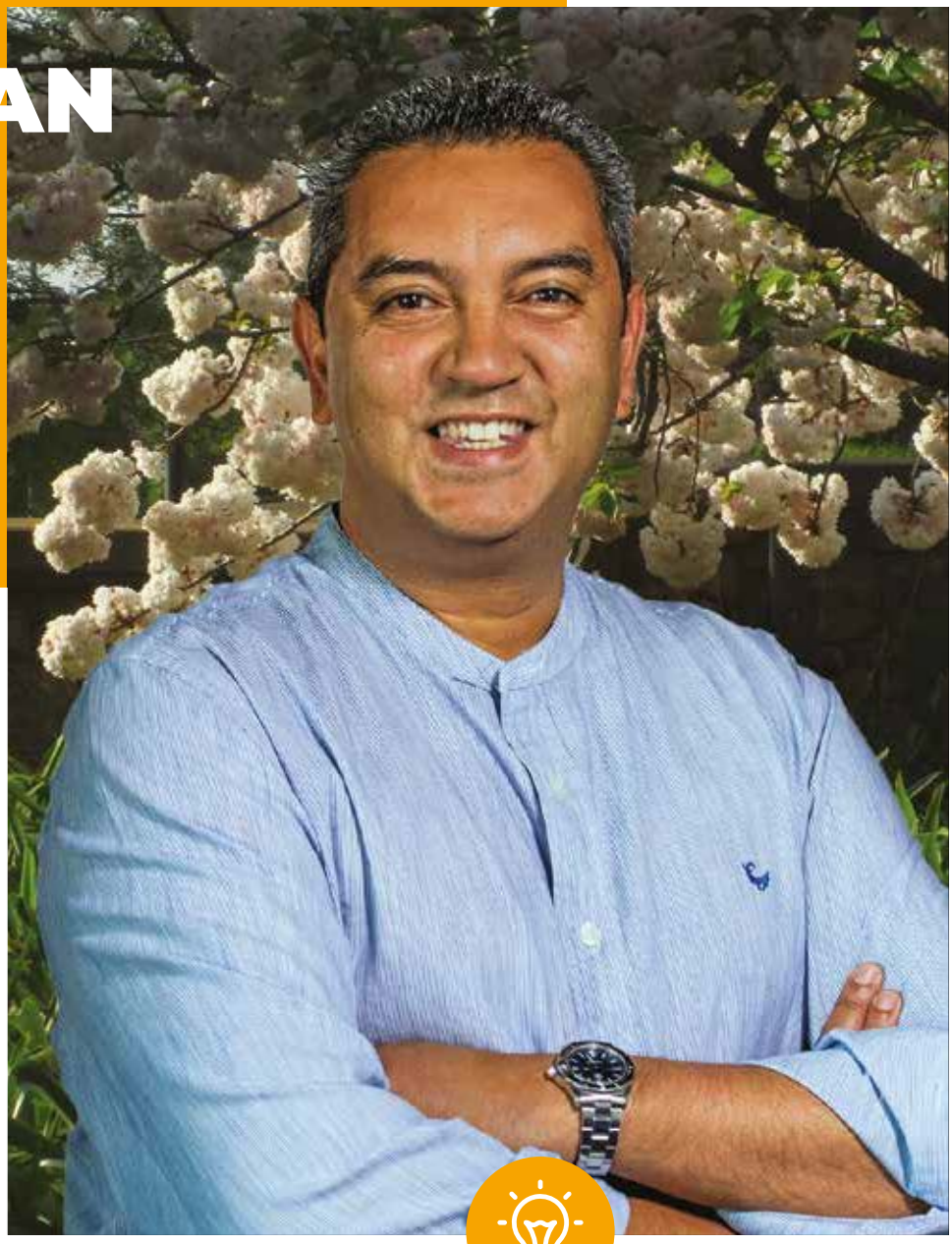
This information has been drawn up and approved by all of the Faculty's Undergraduate Committees and the Teaching and Learning Committee. If you have any questions or concerns, please contact the Office of the Assistant Dean: Teaching and Learning and Undergraduate Affairs.

Statutory bodies:

- All students registering for the first time for the MBBCh, BSc (Occupational Therapy), BSc (Physiotherapy), BDS, BOHSc and BCMP must register with the Health Professions Council of South Africa (HPCSA).
- All new BNurs students must register with the South African Nursing Council.
- All new Pharmacy students must register with the South African Pharmacy Council.

Message FROM THE DEAN

FACULTY OF HUMANITIES



The Humanities is a place for the development of robust thinking and debate, that is done critically but respectfully, and where there is a tolerance for diverse views. It is a place to think deeply about the future of the world, to deal with the vexing challenges facing us today, and how to transform our society to inaugurate a set of imagined futures that are yet to unfold. We all live in a challenging but exciting time, where we have the opportunities to change our future for the betterment of all. That is my challenge to all of you. Fulfil your potential as the best and brightest and engage these challenges head on, so that you may lead us as the next generation. At Wits, be an active citizen of the University – engage socially, join clubs and societies, participate in the cultural and intellectual activities and life on campus, and open your minds to the new possibilities of what it means to be a citizen in the 21st century.

PROFESSOR GARTH STEVENS

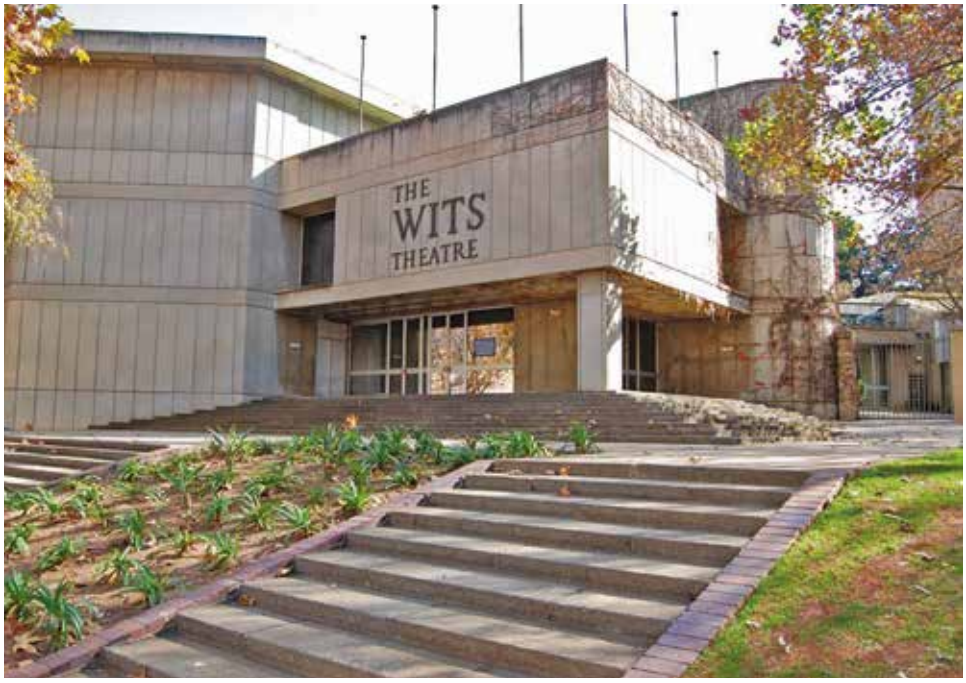
Accreditation

The Faculty of Humanities was ranked no. 1 in the 2020 Times Higher Education World University Rankings out of 536 universities, with a special mention for the exceptional quality for our research and teaching.

Faculty of HUMANITIES

The Faculty boasts renowned international scholars who will be your lecturers during your studies.

CHOOSE YOUR Programme



Bachelor of Arts (General)

ABA00
Duration: 3 years

NSC REQUIREMENTS
APS 36+
English Home Language OR
First Additional Language Level 5
Waitlisting
Applicants with entry requirements of at least 30-35 APS points are wait-listed, subject to place availability.
International Qualifications: Page 21

Closing Date: 30 September

The Bachelor of Arts (BA) three-year full-time programme includes two majors and 22 courses (refer to Pages 106-108 for more information on courses). You will study your major in first, second and third years, with each year adding different and more complex aspects of the subject, so you become specialised in your chosen field. Courses run either for half an academic year or for one semester. When choosing your majors and courses, keep your career goals and interests in mind, to ensure that you're fully equipped for a specific profession.

CAREERS

Refer to 'Mix and match' courses to suit your career' on Page 98.

COMPULSORY REQUIREMENT ACROSS ALL BA PROGRAMMES

A student of the Bachelor of Arts is required to complete two semester courses in one of the following languages: isiZulu or Sesotho or South African Sign Language (SASL). If a student is proficient in any two of the three languages (isiZulu, Sesotho or SASL), the student is advised to do one of the following:

(i) Register in a first-language stream for two courses in isiZulu or Sesotho;
(ii) Register for two courses in any one of the following: French, German, Italian, Portuguese, or Spanish; or
(iii) Formally apply to the Dean for exemption from the requirement to register for a language subject. Where an exemption has been granted, students must add a course/s yielding at least 36 credits in a subject approved by Senate. A student may also be granted a credit if s/he has completed the same or an equivalent course.

Majors and Courses

AFRICAN LANGUAGES/LANGUAGE ACQUISITION

These courses will familiarise you with basic speaking, reading, writing and listening, either in isiZulu or Sesotho. You will study texts from various literary genres to learn grammatical structures and socio-cultural context.

AFRICAN LANGUAGES AND LINGUISTICS

These courses examine the history of the languages spoken in South Africa today. You will also learn about the linguistic aspects of these languages and compare their morphophonological structures, especially those of the Sotho and Nguni languages. In addition, you will be introduced to Computational Linguistics, which focuses on the development of technological tools for resource-scarce languages.

These courses are designed for students with existing knowledge of at least one of South Africa's official indigenous languages.

AFRICAN LANGUAGES AND LITERATURE

These courses comprise language acquisition components for non-mother tongue speakers, as well as linguistic and literature components for mother tongue speakers and students of African language media. You will acquire receptive and language reproduction skills, as well as analytical and interpretive skills.

AFRICAN LANGUAGES LITERATURE

These courses look at the diverse range of Nguni and Sotho literary material in southern Africa. They cover major works of poetry, prose, drama and journalistic articles, including translated works. Emphasis is placed on the history and emergence of the different types of literary genres.

These courses are designed for students with knowledge of at least one of South Africa's official indigenous languages.

AFRICAN LITERATURE

These courses study oral and written literature that is written in or translated from English, directly concerned with the African experience using fiction, poetry, popular culture and drama from the African continent. All non-English study texts are also available in English.

ANTHROPOLOGY

Anthropology is the study of humankind in social and cultural contexts. It documents and examines the diversity of human cultures, social relations, environments and products.

ARCHAEOLOGY

Archaeology is the study of human history through material remains, such as stone tools, food residue, rock art, pottery and settlement plans. First year students study the biological evolution of man, man's past as a hunter-gatherer and the origins of farming and urbanisation.

DIGITAL ARTS THEORY

Digital Arts Theory introduces you to the historic, conceptual and critical frameworks of a range of digital art practices, like interactive and networked art and game studies. It investigates digital culture from its origins to present-day practice, around the world and particularly in Africa.

DRAMA FOR LIFE

Drama for Life enhances dialogue for social transformation and healing, via arts-based research, teaching and learning and community engagement.

Bachelor of Arts students who are interested in arts therapies, arts education, arts activism and all arts for development can also choose from the following undergraduate courses:

- Arts and Global Rights
- Arts and Global Health
- Applied Drama and Theatre Economics

These courses look at how economic systems function, as well as the determination of income and development, international trade and payment mechanisms. Matric Mathematics is required.

ENGLISH LITERATURE

Studying English Literature at Wits gives you the opportunity to learn various approaches to textual analysis and criticism that can be applied to a wide range of literature. You will also explore the relationship between literary works and their social, historicaland / or cultural contexts. English Literature prepares you for various communicative professions, like teaching, writing, research, journalism, editing, publishing, human resources, public relations and more.

EUROPEAN TRANSNATIONAL LITERARY AND CULTURAL LITERATURE STUDIES

This field introduces students to a range of literary texts written in the main European languages (Spanish, Portuguese, French, German, Italian and Russian). Courses explore transnational relations and reciprocal influences especially with regards to Francophone, Lusophone and South American Spanish texts.

ENVIRONMENTAL STUDIES

These courses address national-scale developmental priorities, transformation and skills/employability. It is also designed to encourage students to develop integrated skills that can be applied to contemporary issues.

FILM AND TELEVISION

These courses span the intellectual and analytical study of topics relating to theatre, performance, visual arts and film within diverse contexts. You will develop conceptual creativity, intellectual rigour and strong practical capabilities to prepare you for a career in the theatre, film, visual arts and entertainment industry, or for future academic study.

FRENCH AND FRANCOPHONE STUDIES

These courses introduce French, which is spoken in more than 20 African countries, in its spoken and written forms. You will develop an appreciation of French literature, thought, history and civilisation. Courses that align well with French include Political Science, International Relations, Journalism and Media Studies, the Arts and Business Studies.

GEOGRAPHY

These courses cover physical geography, human geography and regional photography.

GERMAN

These courses introduce German in its spoken and written forms and help you to develop an appreciation of German literature, thought, history and culture. Germany is one of South Africa's most important trading partners and German is the most commonly spoken language in the European Union. Graduates who are proficient in German are sought after by German-speaking companies and NGOs, as well as in tourism, diplomatic services and government departments. German aligns well with Humanities subjects.

HISTORY

Interested in historical, linguistic, literacy, or cultural perspectives of the past, the relationship between past and present, or the conservation and preservation of heritage? History revitalises views of the past, introduces exciting topics and challenges many of the assumptions and approaches you may have learned at school. History will equip you with sought-after skills in research, analysis and effective writing, speaking and thinking.

HISTORY OF ART

History of Art examines images and objects in their historical contexts. It provides critical insights into the lives of makers, viewers and users of art, as well as the spaces and times in which these images and objects are rooted. A History of Art major provides a gateway to understanding, critically analysing and engaging in the visual world.

INDUSTRIAL AND ECONOMIC SOCIOLOGY

Sociology is the study of society in all its complexity from empirical and theoretical perspectives. Human behaviour is shaped by the social contexts in which people find themselves. As such, Sociology helps us to understand how families, organisations, communities, cultural practices and broader political, economic and social processes affect the way people act and think. Sociology examines areas as diverse as disease, development, land reform, crime, culture, states, government, media, identity, gender, race and class, among others. Industrial and Economic Sociology is a specialisation that focuses on the socially embedded nature of the economy and the workplace.

INTERNATIONAL RELATIONS

The study of International Relations helps us understand why states go to war, why they trade with each other and why they care when human rights are abused. You will gain an understanding of the key events and tools that are used to unpack and determine why states, international organisations and individuals behave and engage the way they do. International Relations is a multidisciplinary field, with origins in history, economics, political science, sociology and law. First year courses provide a fundamental understanding of this exciting area of study.

ITALIAN

These courses introduce Italian in its spoken and written forms. You will develop an appreciation of Italian literature, thought, history and culture and understand why Italy is a world leader in the culinary arts, interior design and fashion and furniture design. Italian is useful for students planning careers in music, fine arts, design, architecture, linguistics, translation, interpreting and international relations.

LAW

All societies are governed by some form of law. These courses provide knowledge of legal systems and how they conform with morality. Topics include: Constitutional Law, Customary Law, Persons and Family Law, Criminal Law and Delict, Succession Law and Contract Law.

LINGUISTICS

Linguistics is the scientific study of language. In this course, you will study language on its own and as part of culture and society, referring to a wide range of languages in the process.

MATHEMATICS

This field covers all aspects of Mathematics, including general knowledge and history of mathematical concepts. Matric Mathematics is essential.

MATHEMATICAL STATISTICS

This field covers Statistics, which deals with descriptive statistics, counting techniques, probability, discrete and continuous distribution, estimation, hypothesis testing, correlation, regression and one-way analysis of variance. Matric Mathematics is essential.

MEDIA STUDIES

Media Studies gives you the critical and analytical skills needed to function in the Information Age. You will be exposed to theories, debates and discussions about the role of the media in society and find ways to analyse media operations, media products and media consumption.

MUSIC STUDIES

You will study music in its historical, cultural and social contexts, encountering music from Africa, the western classical canon, popular music and jazz. In your first year, you will study Film and Visual Performing Arts and proceed to Critical Music Studies in second and third year.

PHILOSOPHY

Philosophy searches for rational answers to fundamental questions about humans and the world they live in. Philosophical questions include abstract matters, such as whether religious belief is rationally defensible; whether humans have free will; whether abortion is morally permissible; and whether a philosophy of Ubuntu could be compatible with the death penalty.

Philosophy helps you to develop reflection skills that deepen your personal understanding and promote autonomy. It promotes reasoning. You will explore topics such as thinking correctly, devising practical methods of logical analysis, argument construction and evaluation.

POLITICAL STUDIES

This field studies power relations in society, conflict, money matters, position and influence or status. There are many competing analytical models in politics, each with its own concepts or terminology and each with its own questions. Political Studies prepares you for a career in public affairs; former students include Winnie Madikizela-Mandela, Tony Leon, Valli Moosa and Judge Richard Goldstone. A degree in Political Studies yields opportunities to work in non-governmental organisations, the public sector, private businesses, diplomacy, international organisations, survey research organisations, development bodies and the media.

PORTUGUESE

These courses introduce Portuguese in its spoken and written forms. You will develop an appreciation of Portuguese literature, thought, history and culture.

Portuguese has significant status in Africa, as the official language of PALOP (Portuguese-speaking African countries).

The courses are designed for beginners and students with prior knowledge of Portuguese. They include a communicative approach based on conversation skills and facilitated by multimedia tools. Courses that align well with Portuguese include International Relations, Political Sciences, Media Studies and other language courses.

PSYCHOLOGY

Psychology studies human experience, behaviour and the ways in which we relate to each other and our environment. Psychology offers a rich and diverse understanding of human functioning and is relevant to most aspects of our lives. As society has become more complex, Psychology plays an increasingly important role in understanding human behaviour and in shaping interventions to ensure optimal functioning of individuals, groups and communities. You can major in General Psychology or Organisational Psychology.

SOUTH AFRICAN SIGN LANGUAGE

This field introduces the receptive and productive skills of South African Sign Language (SASL), vocabulary in context, basic social functions and grammatical structures of SASL, the origins of signed language and the concepts underlying Deaf Culture and the Deaf Community. If you major in SASL, you will also study SASL linguistics, poetry and sociolinguistics for sign languages. SASL is recommended for students interested in Education, Deaf Education, Drama, Language and Psychology.

SPANISH

These courses introduce Spanish in its spoken and written forms and helps students to develop an appreciation of Spanish literature, thought and history.

TRANSNATIONAL LITERARY AND CULTURAL STUDIES

Focus on the relationship between the arts, literature and society. This field introduces you to a range of literary texts written in the main European languages (Spanish, Portuguese, French, German, Italian and Russian). Courses explore transnational relations and reciprocal influences, especially regarding Francophone, Lusophone and South American Spanish texts.

Mix *and* Match

COURSES TO SUIT YOUR CAREER

INTERESTED IN AFRICAN STUDIES AS A CAREER?

Choose majors and courses from:

African Languages, African Languages Literature, African Linguistics, African Literature, African Studies in History and Politics, Anthropology South African Sign Language, History, History of Art, International Relations, Modern Languages, Screen Studies

INTERESTED IN COMMUNICATIONS OR JOURNALISM?

Choose majors from:

Media Studies, Languages, Sociology, Psychology, International Relations, Political Studies and Film, Visual and Performing Arts, History of Art

INTERESTED IN DEVELOPMENTAL STUDIES?

Choose majors from:

African Languages and Literature, Labour and Economic Sociology, African Studies in History and Politics, International Relations, Anthropology, Linguistics, Economics, Psychology, Geography, Social Work

INTERESTED IN ECONOMICS AND COMMERCE?

Choose majors from:

Labour and Economic Sociology, History, International Relations, Maths, Political Studies, Psychology/ Organisational Psychology, Philosophy

INTERESTED IN EDUCATION?

Choose majors from:

African Languages and Literature, History, Geography, Linguistics, Modern Languages, Philosophy, Political Studies, Psychology, Sociology, South African Sign Language, History of Art

INTERESTED IN ENGLISH AND LITERATURE?

Choose majors from:

African Literature and English offer various course combinations. Study diverse literatures from different cultures and contexts as well as English Language and Literacy, Film, Visual and Performing Arts

INTERESTED IN GLOBAL POLITICS AND DIPLOMACY?

Choose majors and courses from:

Economics, International Relations and Political Studies and combine these with a language course, such as French, German, Italian, Portuguese, or Spanish African Studies in History and Politics, History, History of Art, Philosophy, Psychology, Sociology

INTERESTED IN HERITAGE AND MUSEUM WORK?

Choose majors and courses from:

Archaeology, Geography, History, Anthropology, Film, Visual and Performing Arts, History of Art, various languages

INTERESTED IN HISTORY?

Choose majors and courses from:

African Languages, Literature and Linguistics, African Literature, African Studies in History and Politics, Archaeology, English, History, History of Art, Linguistics, Modern Languages, Music in History and Society, South African Sign Language

INTERESTED IN LANGUAGE STUDIES AND TRANSLATION?

Do you want to learn a range of different languages, or study the relationship between language, society and culture?

Choose majors from:

African Languages and Literature, English, French and Francophone Studies, German, Italian, Linguistics, Portuguese, Spanish and Latin American Studies and South African Sign Language

INTERESTED IN LAW, CULTURE AND LANGUAGE?

The dynamic relationship between languages and the values, attitudes, beliefs and rules of society will be valuable to students studying Law.

Choose a second major or course from:

African Languages, African Literature, Anthropology, English, Linguistics, Media Studies, Philosophy, Psychology, South African Sign Language, Sociology and Modern Languages

INTERESTED IN LITERARY AND CULTURAL STUDIES?

Choose majors and courses from:

African Languages, African Literature, Anthropology, Drama and Film, English, History of Art, Film, Visual and Performing Arts, Linguistics, Media Studies, Modern Languages, Music in History and Society, Psychology/ Organisational Psychology, Sociology, South African Sign Language, Screen Studies

INTERESTED IN MEDIA, LITERATURE AND CULTURE?

Understand the relationship between the modern mass media, literature and culture in the constantly evolving technological age.

Choose majors from:

African Languages, African Literature, Dramatic Art, English, History of Art, Media Studies, Modern Languages, Music in History and Society, Philosophy, Psychology/Organisational Psychology, Linguistics, South African Sign Language and Film, Visual and Performing Arts, Arts Management, History of Art, Screen Studies

INTERESTED IN WORK, ORGANISATION AND SOCIETY?

If you want to understand the relationship between the world of work, the individual and the broader society.

Choose majors and courses from:

African Languages and Literature, Anthropology, Economics, History, Industrial and Economic Sociology and Psychology/Organisational Psychology. Linguistics, Modern Languages, Psychology and South African Sign Language.

BA(Law)

Bachelor of Arts (Law)
ABA02
Duration 3 years

NSC REQUIREMENTS
APS 43+
English Home Language OR
First Additional Language Level 5
Mathematics Level 3
Maths Literacy Level 4
Waitlisting
Applicants with an APS of 40-42 will be wait-listed, subject to place availability.
International Qualifications: Page 19

Closing Date: 30 September

Students interested in studying law are encouraged to take a complete BA or BCom degree first, preferably choosing Law as one of their majors.

This enables students to get a feeling for the general law subjects before committing to the study of Law, whilst also developing knowledge and skills in other disciplines which will be useful to them in the context in which they will one day be practicing law. Students envisaging a future in human rights, family law, constitutional law, international law, etc. amongst others are advised to begin their legal studies with a BA(with Law major), pairing this with courses like politics, sociology, economics or languages.

CAREERS

· Advocate · Arbitrator · Attorney · Conveyancer
· Judge · Legal Advisor · Mediator · Negotiator
· Professional Counsellor · Prosecutor

The BA is also a route to an LLB qualification, taken over two years after completing a BA (with Law major) degree; or over three years if no law courses are completed during your BA degree.

PROFESSIONAL PROGRAMMES
in the Arts

The Wits School of Arts (WSoA)

Gain comprehensive, professional training with a global perspective.

Situated in the vibrant hub of Braamfontein, Johannesburg, the Wits School of Arts (WSoA) offers programmes in Cultural Policy Management, Drama for Life (Applied Theatre and Drama Therapies), Digital Arts, Fine Arts, Film and Television, Heritage Studies, History of Art, Music and Theatre and Performance – at undergraduate, graduate and doctoral levels.

These programmes will help you to critically engage with South Africa's rich and diverse cultural life and heritage. You will also gain comprehensive professional training in the arts – across local urban, African continental and international contexts.

At WSoA, you can access a wide range of specialised teaching environments, including theatres, music venues, sound recording studios, fine arts studios, digital media laboratories, television studios and multimedia libraries. You may also have the opportunity to participate in an international exchange programme, thanks to the School's excellent global reputation.

WSoA graduates are among the top thought leaders and creative professionals in the arts world.

COMPULSORY REQUIREMENT ACROSS ALL BA PROGRAMMES

A student of the Bachelor of Arts is required to complete two semester courses in one of the following languages: isiZulu or Sesotho or South African Sign Language (SASL). If a student is proficient in any two of the three languages (isiZulu, Sesotho or SASL), the student is advised to do one of the following:

(i) register in a first-language stream for two courses in isiZulu or Sesotho;

(ii) register for two courses in any one of the following: French, German, Italian, Portuguese, or Spanish; or

(iii) formally apply to the Dean for exemption from the requirement to register for a language subject. Where an exemption has been granted, students must add a course/s yielding at least 36 credits in a subject approved by Senate. A student may also be granted a credit if s/he has completed the same or an equivalent course.

Digital Arts

Bachelor of Arts in Digital Arts

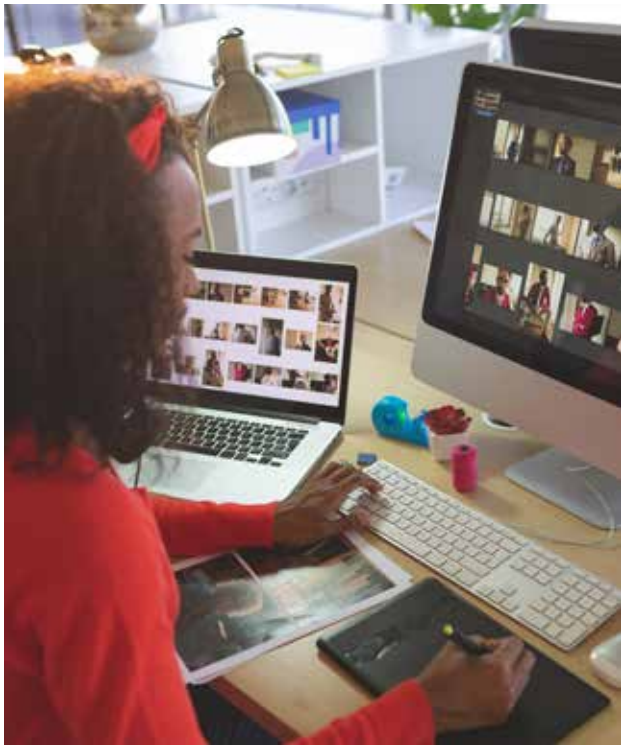
AFA11
Duration: 4 years

NSC REQUIREMENTS
APS 34+
English Home Language OR
First Additional Language Level 5
Waitlisting
Applicants with an entry requirement of at least 30-33 APS points are wait-listed, subject to place availability.
Additional Selection Criteria
You will be required to attend a digital arts workshop and/or complete a questionnaire.
International Qualifications: Page 21

Closing Date: 30 September

Combine technical and creative skills in game design.

The BA in Digital Arts degree brings together the creative and technical aspects of game creation. You will learn a variety of skills, including technical development and programming, illustration, animation, writing and sound design. You will also learn about game history and theory, game mechanics, programming, puzzle design, Level design, character design and much more. As the degree progresses, you may choose to specialise in Animation, Writing and Interactivity or Interactive Art.



This multidisciplinary programme is offered to students from the School of Electrical and Information Engineering (BEngSc Digital Arts) and the WSoA (BA Digital Arts).

CAREERS

· Animator · Game Developer · Systems Administrator · Game Writer · VR Developer

PROGRAMME OUTLINE

First year

- Film, Visual and Performing Arts IA **AND** IB
- Game Design IA **AND** IB
- Digital Arts Practice IA **AND** IB

AND

A student is required to complete two semester courses in one of the following languages: isiZulu or Sesotho or South African Sign Language (SASL). If a student is proficient in any two of the three languages (isiZulu, Sesotho or SASL), the student is advised to do one of the following: (i) register in a first-language stream for two courses in isiZulu or Sesotho, (ii) register for two courses in any one of the following: French, German, Italian, Portuguese, or Spanish, or (iii) formally apply to the Dean for exemption from the requirement to register for a language subject. Where an exemption has been granted, students must add a course/s yielding at least 36 credits in a subject approved by Senate. A student may also be granted a credit if s/he has completed the same or an equivalent course.

Second year

- Digital Art Theory II
- Game Design IIA **AND** IIB
- Digital Art Design Project Digital Art Practice II
- Film, Visual and Performing Arts IIA: Storytelling across Media and Cultural Contexts

Third year

- Digital Art Theory IIIA **AND** IIIB
- Film, Visual and Performing Arts IIIA: Aesthetics, Technologies and Commodity Cultures
- Film, Visual and Performing Arts IIIB: Medium, Process and Criticality
- Writing and Interactivity IIIA **AND** IIIB
- Interactive Media IIIA **AND** IIIB
- Animation IIIA **AND** IIIB
- Game Design IIIA **AND** IIIB
- Writing and Interactivity IIIA **AND** IIIB

Fourth year

- Digital Arts Research Project
- Digital Art Project IV

AND, select two courses from the following:

- Animation IV
- Game Design IV
- Interactive Media IV
- Writing and Interactivity IV

Film and Television

Bachelor of Arts in Film and Television

AFA10
Duration: 4 years
NSC REQUIREMENTS
APS 34+

English Home Language OR
First Additional Language Level 5
Waitlisting
Applicants with entry requirements of at least 30-33 APS points are wait-listed, subject to place availability.
Additional Selection Criteria
Applicants have to submit a portfolio and may have to attend an interview.
International Qualifications: Page 21

Closing Date: 30 June

Explore multiple aspects of film-making.

Whether you're an aspiring director, a would-be producer, a creative and/or someone who wants to write innovative South African stories for film or television, the Bachelor of Arts in Film and Television (BAFT) offers exciting and creative learning opportunities.

You will benefit from theoretically informed and production-based learning in a range of formats, including documentary and fiction short films, music videos and experimental film-making, as well as specialised courses in cinematography, post-production, studio production and sound design. The four-year undergraduate programme allows you to interrogate multiple aspects of film-making, in addition to specialised technical training.

CAREERS

· Director · Editor · Film-Maker · Producer · Writer

PROGRAMME OUTLINE

First year

· Film, Visual and Performing Arts 1A **AND** IB
· Visual Storytelling IA **AND** IB
· Image Creation IA **AND** IB
COMPULSORY REQUIREMENT across all BA programmes: refer to page 100

Second year

· Image Creation IIA **AND** IIB
· Visual Storytelling I!A
Select courses yielding 48 credits from:
- Film, Visual and Performing Arts 1A: Storytelling across Media and Cultural contexts
- Screen Studies IIB, OR
- History of Arts IIA
- Critical Music Studies: Concepts and Contexts IIA

Third year

· Directing Fiction III
· Documentary Film-making III
· Principles of Sound Design III
· Principles of Studio Production III
· Screen Writing IIIA AND IIIB
OR, select one course from the following:
- Interactive Media IIIA
- Animation IIIA
- Theories of Art
- Introduction to Cultural Policy and Management A
- Funding Contexts in Cultural and Creative Industries

OR
Screen Studies IIIA
AND
- Film, Visual and Performing Arts IIIA: Aesthetics Technologies and Commodity Cultures
- Film, Visual and Performing Arts IIIB: Medium, Process and Criticality

OR
History of Art IIIC AND IIID
OR
- Music in History and Society III: Musical Modernisms
- Music in History and Society III: Music in Contemporary Lives

OR
Level 3000 courses yielding 36 credits

Fourth year

Select one course from the following:
- Long Essay in Film and Television
- Research Project in Film and Television

Select four courses from the following:
- Fact and Fiction IV
- Experimental Film IV
- Fundamentals of Post-production IV
- Fundamentals of Cinematography IV
- Screenwriting IVA AND Screenwriting IVB

OR
Select three courses from the list above AND one appropriate fourth year course from the following:
- Film Studies IVA AND IVB
- Digital Humanities
- Participatory Cultures
- Cultural Entrepreneurship
- Arts, Marketing: Context, Strategies and Practices
- Animation IV
- Interactive Media IV
- Key Moments in the 20th Century Arts: Tradition and Innovation
- Selected topic in Interdisciplinary Arts and Cultural Studies

Fine Arts

Bachelor of Arts in Fine Arts

AFA01
Duration: 4 years

NSC REQUIREMENTS
APS 34+
English Home Language OR First Additional Language Level 5
Waitlisting
Applicants with entry requirements of at least 30-33 APS points are wait-listed, subject to place availability.
Additional Selection Criteria
Applicants must contact the School to schedule an interview. Remember to take a portfolio of work to the interview.
International Qualifications: Page 21

Closing Date: 30 September

Explore all aspects of contemporary fine art.

The BA Fine Arts degree combines fine art studio practice with academic study in Art History, Theory and Criticism.

Painting, sculpture, photography, print-making, video, installation and digital media form the core of the studio programme, which is supplemented by a course in Professional Practice and Curating, along with a number of interdisciplinary options from other courses in the WSoA.

CAREERS

· Animator · Art Historian · Artist · Curator · Critic · Designer · Photographer · Teacher

CURRICULUM

First year

· Fine Arts IA AND IB
· Film, Visual and Performing Arts IA AND IB
· Drawing and Contemporary Practice IA AND IB
AND
A student is required to complete two semester courses in one of the following languages: isiZulu or Sesotho or South African Sign Language (SASL). If a student is proficient in any two of the three languages (isiZulu, Sesotho or SASL), the student is advised to do one of the following: (i) register in a first-language stream for two courses in isiZulu or Sesotho, (ii) register for two courses in any one of the following: French, German, Italian, Portuguese, or Spanish, or (iii) formally apply to the Dean for exemption from the requirement to register for a language subject. Where an exemption has been granted, students must add a course/s yielding at least 36 credits in a subject approved by Senate. A student may also be granted a credit if s/he has completed the same or an equivalent course.

Second year

· Fine Arts IIA **AND** IIB
· History of Arts IIA **AND** IIB
· Drawing and Contemporary Practice IIA **AND** IIB

Third year

· Fine Arts IIIA **AND** IIIB
· History of Art IIIA **AND** IIIB
· History of Art IIIC **AND** IIID
· Drawing and Contemporary Practice IIIB

Fourth year

· Research Project
· Critical Theories and Visual Cultures
· Fine Arts IVA and IVB
· Professional Practice in Fine Arts

Honours Study
Follow your BA undergraduate degree with an Honours degree, one-year (full-time) and specialise in a field that will allow you to follow your passion in the career of your choice.

Music

Bachelor of Music

AFA02
Duration: 4 years

NSC REQUIREMENTS
APS 34+
English Home Language OR
First Additional Language Level 5
Waitlisting
Applicants with an entry requirement of at least 30-33 APS points are wait-listed, subject to place availability.
Additional Selection Criteria
Applicants must attend an interview and audition at the Wits School of Arts.
An extended curriculum provides for BMus students and is determined by academic background and performance.
International Qualifications: Page 21

Closing Date: 30 September

Experience and learn from multiple music traditions and disciplines.

This degree gives you an opportunity to experience and learn from multiple music traditions. This pragmatic and philosophical programme exposes you to new and different music domains, skills and knowledge – all of which better prepares you for a variety of music careers. Students develop their practical skills with a jazz or classical music focus, voice for musical theatre is an additional option. In each of these choices you will encounter music from South Africa as well as international musical genres. Beyond this chosen practical focus, all students can benefit from learning skills that work across musical genres, such as music technology and studio practice, composition and arrangement and community music-making among others.

CAREERS

- Arrangement · Composing · Conducting
- Education · Entertainment Law · Music Journalism
- Music Therapy · Performance
- Radio/TV/Digital Media · Recording Industry

PROGRAMME OUTLINE

First year

- Film, Visual and Performing Arts IA **AND** IB
- Music Literacies and Skills IA **AND** IB
- Music Performance Studies IA **AND** IB
- two BA semester courses

OR

COMPULSORY REQUIREMENT across all BA programmes: refer to Page 98.

Second year

Critical Music Studies IIA **AND** IIB Music Literacies and Skills IIA **AND** IIB	Music Performance Studies IIA **AND** IIB two BA semester courses **OR** one BA year course

Third year

Music in History and Society:

- Music and the Theatre
- Music, Sound and the Moving Image
- Musical Modernisms
- Music in Contemporary Lives
- Composition IIIA AND IIIB
- Performance IIIA AND IIIB

If Music Performance Studies OR Music Composition studies were not chosen, select two from the following courses:

- Music Composition Studies IIIA AND IIIB
- Introduction to Cultural Policy and Management
- Funding Context in Cultural and Creative Industries
- Animation IIIA
- Interactive Media IIIA
- Writing and Interactivity IIIA

Fourth year

- Music Criticism: Research Project
- Music Business Studies

Select one of the following specialisations:

- Composition
- Performance
- Community Music
- Business and the Arts
- Long Essay

Select one course at fourth year level from the following:

- Composition Theory and Analysis (if not taken in the composition specialisation)
- Music Performance Minor Study
- Community Music: Minor Studies
- Cultural Entrepreneur
- Arts Marketing: Context, Strategies and Practices
- Key Moments in the 20th Century Arts: Tradition and Innovation
- Animation IV
- Interactive Media IV
- Writing and Interactivity IV
- Selected topic in Interdisciplinary Arts and Culture Studies

Theatre and Performance

Bachelor of Arts in Theatre and Performance

AFA14
Duration: 4 years

NSC REQUIREMENTS
APS 34+
English Home Language OR
First Additional Language Level 5
Waitlisting
Applicants with entry requirements of at least 30-33 APS points are wait-listed, subject to place availability.
Additional Selection Criteria
Students must speak English as a Home Language **OR** First Additional Language and must meet departmental selection procedures, which include auditions/interviews.
Bookings for Theatre and Performance auditions close in October 2023.
www.wits.ac.za/undergraduate/apply-to-wits/
International Qualifications: Page 21

Closing Date: 30 September

Immerse yourself in the theoretical and practical study of theatre and performance.

The four-year BA in Theatre and Performance programme covers the historical and theoretical developments in drama and film, as well as the theoretical and practical study of theatre, performance and cognate disciplines. The degree helps you develop critical insight and imaginative intelligence, so you can become an innovative theatre-maker, performer, director, teacher, writer or designer. It also gives you real-world experience in all areas of the performing and communicative arts. You will work regularly in the Wits Theatre, a professionally run four-theatre complex with excellent facilities.

CAREERS

- Choreographer
- Critics
- Director
- Designer
- Performer
- Production and Arts Manager
- Teachers/Facilitators/Academics
- Theatre-Maker
- Theorists
- Writer

PROGRAMME OUTLINE

First year

Course (A) is taken in the first semester and Course (B) in the second semester.
- Performance Practice IA **AND** IB
- Theatre and Production IA **AND** IB
- Film, Visual and Performing Arts IA **AND** IB

COMPULSORY REQUIREMENT across all BA programmes: refer to page 100

Second year

- Performance Practice IIA **AND** IIB
- Theatre and Production IIA **AND** IIB
- Film, Visual and Performing Arts IIA: Storytelling across media and cultural contexts
- Theatre and Performance Studies II

Third year

Select four pairs of courses from the following:
- Design IIIA **AND** IIB
- Performance Studies IIIA **AND** IIIB
- Directing IIIA **AND** IIIB
- Applied Drama and Theatre Studies IIIA **AND** IIIB
- Media Studies IIIA **AND** IIIB
- Movement IIIA **AND** IIIB
- Performance Studies IIIA **AND** IIIB
- Introduction to Cultural Policy and Management
- Funding Context in Cultural and Creative Industries
- Writing IIIA **AND** IIIB
- Theatre and Performance IIIA: Performance Theory
- Theatre and Performance Studies IIIB: Studies in Theatre Practice
- Music Composition Studies IIIA **AND** IIIB
- Music Performance Studies IIIA **AND** IIIB
- Interactive Media IIIA
- Animation IIIA
- Theories of Art
- Film, Visual and Performing Arts IIIA: Aesthetics, Technologies and Commodity Cultures
- Film, Visual and Performing Arts IIIB: Medium, Process and Criticality
- Musical Theatre IIIA
- Musical Theatre IIIB

Fourth year

Select one course from the following:
- Long Essay
- Research Project
- Drama Therapy Research Essay
- Applied Drama Research Essay
- AND, ANY four courses from the following:
- Design IVA AND IVB
- Directing IVA AND IVB
- Applied Drama and Theatre Studies IVA AND IVB
- Movement IVA AND IVB
- Dramatic Literature and Production Studies IVA
- Directions in Cultural Leadership
- Film Studies IV
- Media Studies IVA AND IVB
- Writing IVA AND IVB
- Cultural Entrepreneurship
- Arts Marketing: Context, Strategies and Practices
- Dance, Culture and Education IVA AND IVB
- Animation IV
- Interactive Media IV
- Musical Theatre IVA AND IVB
- Performance Studies IV: Minor Study
- Music Performance Studies IV
- Key Moments in the 20th Century Arts: Tradition and Innovation
- Introduction to Drama Therapy

PROFESSIONAL PROGRAMMES

education

The Wits School of Education

The Bachelor of Education (BEd) is a four-year, full-time internationally recognised qualification, offering specialisation in early childhood development and primary and secondary school specialisations.

The Wits School of Education offers high-quality teaching and research through thoughtfully developed undergraduate and postgraduate programmes, as well as access to engaging seminars facilitated by well-known academics in education, teaching and learning.

You can choose from three BEd degrees:

- Foundation Phase Teaching: Grades R-3
- Intermediate Phase Teaching: Grades 4-7
- Senior Phase and Further Education and Training Teaching: Grades 8-12

If you want to qualify as a teacher at the secondary (high) school level, you may choose a first degree programme (such as a BA, BSc, or BCom), followed by a one-year Postgraduate Certificate in Education (PGCE).

The BEd qualifies you to teach in any school in South Africa and to register with the South African Council of Educators (SACE). A BEd from Wits provides career options in teaching or educational research.

While certain courses are compulsory for all BEd students, you can take other courses that prepare you to teach particular phases and teach subjects effectively to different age groups. All students undertake regular practical teaching experience during their studies.

COMPULSORY REQUIREMENT ACROSS ALL BA PROGRAMMES

A student of the Bachelor of Arts is required to complete two semester courses in one of the following languages: isiZulu or Sesotho or South African Sign Language (SASL). If a student is proficient in any two of the three languages (isiZulu, Sesotho or SASL), the student is advised to do one of the following:

(i) register in a first-language stream for two courses in isiZulu or Sesotho;

(ii) register for two courses in any one of the following: French, German, Italian, Portuguese, or Spanish; or

(iii) formally apply to the Dean for exemption from the requirement to register for a language subject. Where an exemption has been granted, students must add a course/s yielding at least 36 credits in a subject approved by Senate. A student may also be granted a credit if s/he has completed the same or an equivalent course.

Foundation Phase Teaching (Grades R-3)

Bachelor of Education: Foundation Phase Teaching

HFA00
Duration: 4 years

NSC REQUIREMENTS
APS 37
English Home Language OR First Additional Language Level 5
Mathematics Level 4
OR
Maths Literacy Level 5
OR
Technical Mathematics Level 5
Waitlisting
Applicants with an entry requirement of at least 31-36 APS points are wait-listed, subject to place availability. Preference is given to students with higher English results.
International Qualifications: Page 21

Closing Date: 30 September

PROGRAMME OUTLINE

First year

- Education IA **AND** B
- Being a Foundation Phase Teacher A **AND** B
- Mathematics for Primary School Teachers
- Childhood Studies I
- Literacy for Primary School Teachers I
- Arts for Teachers
- Teaching Experience IA **AND** IB
  - ICT Literacy

AND, select one elective from the following:
  - Fun with Choir
  - Physical Activity and Sports in Schools
  - Financial Planning and Entrepreneurship
  - Learning in and through Art
  - Learning in and through Drama

Second year

- Education II
- Mathematics for Primary School Teachers II
- Literacy for Primary School Teachers II
- Childhood Studies II

AND, select ONE additional language; a language not taken for the NSC; and which is not a home language:
  - isiZulu I
  - Sesotho I
  - isiZulu Additional Language I
  - Sesotho Additional Language I
  - South African Sign Language I

Teaching Experience II

Third year

- Education III
- Mathematics for Foundation Phase Teachers III
- Literacy for Primary School Teachers III
- Teaching Experience IIIA **AND** IIIB

AND, select ONE additional language from the following:
  - IsiZulu Additional Language II
  - Sesotho Additional Language II
  - IsiZulu II
  - Sesotho II
  - South African Sign language II

Fourth year

- Education IV
- Mathematics for Primary School Teachers IV
- Literacy for Foundation Phase Teachers IV
- Childhood Studies IV
- Being a Teacher
- Teaching Experience IV A/B

AND, select two electives from the following:
  - Learning in and through Art
  - Learning in and through Drama

Intermediate Phase Teaching (Grades 4-7)

Bachelor of Education: Intermediate Phase Teaching

HFA01
Duration: 4 years

NSC REQUIREMENTS
APS 37
English Home Language OR First Additional Language Level 5
Mathematics Level 4
OR
Maths Literacy Level 5
OR
Technical Mathematics Level 5
Waitlisting
Applicants with an entry requirement of at least 31-36 APS points are wait-listed, subject to place availability. Preference is given to students with higher English results.
International Qualifications: Page 21

Closing Date: 30 September

PROGRAMME OUTLINE

First year

- Education IA **AND** B
- Mathematics for Primary School Teachers I
- Literacy for Primary School Teachers I
- Social Sciences I
- Becoming a Teacher A **AND** B
- English I
- Teaching Experience IA/IB

For students unable to demonstrate conversational competence in Sesotho, IsiZulu or South African Sign Language select a course from the following:

- IsiZulu (Conversational Competence)
- Sesotho (Conversational Competence)
- South African Sign Language (Conversational Competence)

Second year

- Education II
- Mathematics for Primary School Teachers II
- Teaching Experience II

Select a language course from the following:

- isiZulu
- IsiZulu Additional Language
- Sesotho
- Sesotho Additional Language
- South African Sign Language

Select a teaching course from the following:

- Natural Science
- Social Sciences I

Select a course corresponding to courses selected in the First year:

- Teaching Natural Sciences (Intermediate Phase) A **AND** B **OR**
- Teaching Social Sciences (Intermediate Phase) A **AND** B

Third year

- Education III
- Mathematics for Primary School Teachers III
- Teaching Home Language in the Intermediate Phase III
- Teaching Experience IIIA **AND** B
- Life Skills I: Arts for Teachers

Fourth year

- Education IV
- Mathematics for Primary School Teachers IV
- Teaching Additional Language for Primary School Teachers IV
- Life Skills II: Personal, Social and Physical well-being
- Economics and Financial Literacy
- Being a Teacher
- Teacher Experience IV A **AND** B

Select one elective from the following:

- ICT Literacy · Fun with Choir
- Physical Activity in Sports in Schools
- School-Based Support
- Learning in and through Art
- Learning in and through Drama

Senior Phase and Further Education and Training Teaching

Bachelor of Education: Senior Phase and Further Education and Training Teaching (Grades 8-12)
HFA02
Duration: 4 years

NSC REQUIREMENTS
APS 37
English Home Language OR First Additional Language Level 5
Waitlisting
Applicants with an entry requirement of at least 31-36 APS points are wait-listed, subject to place availability. Preference will be given to students with higher English results.
International Qualifications: Page 21

Closing Date: 30 September

PROGRAMME OUTLINE

First year

- Education IA **AND** B
- Literacy for Senior Phase and FET Teachers
- Becoming a Teacher A **AND** B
- Teaching Experience IA **AND** IB

Select two courses from the following:
- English I
- Information Technology I
- Natural Science I
- Technology I
- isiZulu I
- Mathematics I
- Sesotho I
- Social Sciences I
- Life Orientation I

Students who cannot demonstrate ICT (Information and Technology Competency) to select:
- ICT Literacy

Students whom ICT does not apply to select from the following:
- Fun and Choir
- Physical Activity and Sports
- Financial Planning and Entrepreneurship
- Learning in and through Art
- Learning in and through Drama

Second year

- Education II
- Life Skills for Teachers
- Teaching Experience II

Select Level II courses of the major you did in first year from the following:
- Natural Sciences II
- English II
- isiZulu II
- Sesotho II
- Mathematics II
- Social Sciences II
- Technology II
- Information Technology II
- Life Orientation II

Select the senior phase pedagogy courses A and B corresponding to one of the courses above:
- Teaching Natural Sciences (Senior Phase A **AND** B)
- Teaching English (Senior Phase A **AND** B)
- Teaching isiZulu (Senior Phase A **AND** B)
- Teaching Sesotho (Senior Phase A **AND** B)
- Teaching Mathematics (Senior Phase A **AND** B)
- Teaching Social Sciences (Senior Phase A **AND** B)
- Teaching Technology (Senior Phase A **AND** B)
- Teaching Information Technology (Senior Phase A **AND** B)
- Teaching Experience II

A student who does not have an Indigenous African Language in their matric must select one of the following:
- IsiZulu (Conversational Competence)
- Sesotho (Conversational Competence)
- South African Sign Language (Conversational Competence)

Third year

- Education III
- Teaching Experience IIIA **AND** IIIB

Select the Level III major you did in the second year:

- Life Sciences IIIA OR B
- Physical Science IIIA OR B
- Geography III
- History III
- English III
- isiZulu III
- Sesotho III
- Mathematics III
- Engineering Graphics **AND** Design III
- Mechanical Technology III
- Information Technology III
- Life Orientation III

Select the FET pedagogy courses A AND B corresponding to one of the courses above:

- Teaching Life Sciences
- Teaching Physical Science
- Teaching Geography
- Teaching History
- Teaching Life Orientation (Senior Phase A **AND** B)
- Teaching English
- Teaching isiZulu
- Teaching Sesotho
- Teaching Mathematics
- Teaching Engineering Graphics and Design
- Teaching Mechanical Technology
- Teaching Information Technology
- Teaching Life Orientation

Select the Senior Phase Pedagogy Courses A AND B corresponding to your second year major:

- Teaching Natural Sciences (Senior Phase A **AND** B)
- Teaching Social Sciences (Senior Phase A **AND** B)
- Teaching English (Senior Phase A **AND** B)
- Teaching isiZulu (Senior Phase A **AND** B)
- Teaching Sesotho (Senior Phase A **AND** B)
- Teaching Mathematics (Senior Phase A **AND** B)
- Teaching Technology (Senior Phase A **AND** B)
- Teaching Information Technology (Senior Phase A **AND** B)
- Teaching Experience IIIA
- Teaching Life Orientation (Senior Phase)

Fourth year

- Education IV
- Being a Teacher IV
- Teaching Experience IVA **AND** IVB

Select at least one Level IV course from the list below that you completed at Level III:

- Life Sciences IV
- Physical Science IV
- Geography IV
- History IV
- English IV
- isiZulu IV
- Sesotho IV
- Mathematics IV
- Engineering Graphics and Design IV
- Mechanical Technology IV
- Information Technology IV

AND

Select a Level IV course from the list above completed at Level III OR a Level III course OR one of the following:

Choose the FET pedagogy course corresponding to the Level III OR Level IV course above:

- English I
- IsiZulu I
- isiZulu Additional Language I
- South African Sign Language
- Sesotho I
- Sesotho Additional Language I

Select a FET course from the list below:

- Teaching Life Sciences (FET)
- Teaching Physical Science (FET)
- Teaching Geography (FET)
- Teaching History (FET)
- Teaching English (FET)
- Teaching isiZulu (FET)
- Teaching Sesotho (FET)
- Teaching Mathematics (FET)
- Teaching Engineering Graphics and Design (FET)
- Teaching Mechanical Technology (FET)
- Teaching Information Technology (FET)
- Teaching Life Orientation (FET)

PROFESSIONAL PROGRAMMES IN

Human and Community Development

School of Human and Community Development

Gain intensive practical and theoretical training that aids social adjustment.

The School of Human and Community Development offers a Bachelor of Arts degree (which can include Psychology as a major), a B (Social Work) degree, a B (Speech-Language Pathology) degree and a B (Audiology) degree. Majors include Audiology, Speech-Language Pathology, Psychology and Linguistics. You can also take related courses in medical, educational, linguistic and psychological areas that give you the necessary background knowledge for your chosen career.

Social workers help individuals, groups, or communities to resolve relational, emotional, material and social development difficulties that hinder their social adjustment. The four-year Bachelor of Social Work programme offers basic preparation in social science subjects, as well as professional education in social work theory and practice, with an emphasis on practical work. Practical work takes place at the Wits Speech and Hearing Clinic and at various speech and hearing clinics in hospitals and at schools across Gauteng.

Psychology complements a range of courses in humanities and social sciences. This field offers a number of career options, including working within organisations, working with the mentally ill and disturbed children, working to change destructive patterns in communities and researching social and health phenomena.

COMPULSORY REQUIREMENT ACROSS ALL BA PROGRAMMES

A student of the Bachelor of Arts is required to complete two semester courses in one of the following languages: isiZulu or Sesotho or South African Sign Language (SASL). If a student is proficient in any two of the three languages (isiZulu, Sesotho or SASL), the student is advised to do one of the following:

(i) register in a first-language stream for two courses in isiZulu or Sesotho;

(ii) register for two courses in any one of the following: French, German, Italian, Portuguese, or Spanish; or

(iii) formally apply to the Dean for exemption from the requirement to register for a language subject. Where an exemption has been granted, students must add a course/s yielding at least 36 credits in a subject approved by Senate. A student may also be granted a credit if s/he has completed the same or an equivalent course.

Audiology

Bachelor of Audiology

AFA13
Duration: 4 years

NSC REQUIREMENTS

APS 34+
English Home Language OR
First Additional Language Level 5
Mathematics Level 4

Waitlisting

Applicants with an entry requirement of at least 30-33 APS points are wait-listed, subject to place availability.

Additional Selection Criteria

Only 30 places are available in the First year of study for the Bachelor of Audiology degree. Applicants are selected on the basis of academic merit (i.e. school leaving results and NBT scores). This aligns with the University's transformation policy for student selection. Potential students are encouraged to observe a Speech Pathology and Audiology professional, preferably in a public hospital setting.

Applicants are required to write the NBT by no later than 14 August (refer to Page 12).

International Qualifications: Page 21

Closing Date: 30 June

Assess and treat children and adults with hearing and related difficulties.

Audiologists assess, advise and provide rehabilitative services to children and adults with hearing and balance disorders and related communication difficulties.

In the four-year Bachelor of Audiology programme, you will major in Audiology and Psychology.

Other courses include South African Sign Language, Linguistics, Anatomy and Neurology, among others. Practical courses are held at the University's Speech and Hearing Clinic and at various speech and hearing clinics at hospitals, schools and care facilities, within the broader urban and rural context.

CAREERS

· Community Work and Outreach · Educational Setting
· Government Healthcare Settings · Private Practice

PROGRAMME OUTLINE

First year

- Speech and Hearing Science
- Speech Pathology and Audiology I
- Psychology I
- Linguistics: Introduction to the Structure of Language I
- Linguistics: Language, Mind and Brain I
- South African Sign Language: Basic IA
- South African Sign Language: Basic IB
- Anatomy and Physiology for Speech, Language and Hearing

Second year

- Linguistics II
- Psychology II
- Audiology II
- Clinical Practical
- Neuroanatomy

Third year

- Audiology
- Psychology III
- Practical in Audiology

Fourth year

- Research Report
- Clinical Practical in Audiology

www.wits.ac.za/course-finder/undergraduate/humanities/audiology/

Speech-Language Pathology

Bachelor of Speech-Language Pathology

AFA12
Duration: 4 years

NSC REQUIREMENTS
APS 34+
English Home Language OR First Additional Language Level 5
Mathematics Level 4
Waitlisting
Applicants with an entry requirement of at least 30-33 APS points are wait-listed, subject to place availability.
Additional Selection Criteria
Only 30 places are available in the First year of study for the Bachelor of Speech-Language Pathology degree. Applicants are selected on the basis of academic merit (i.e. school leaving results and NBT scores). This aligns with the University's transformation policy for student selection.
Potential students are encouraged to observe a speech-language pathology professional, preferably in a public hospital setting. Applicants are required to write the NBT no later than 14 August (refer to Page 12).
International Qualifications: Page 33

Closing Date: 30 June

Treat children and adults with communication disorders.

Speech-language therapists assess and treat children and adults with communication disorders.

These include disorders of speech and language, articulation, voice, fluency, expressive and receptive language problems and feeding and swallowing problems. They also screen children and adults for hearing difficulties.

In the four-year Bachelor of Speech-Language Pathology degree, you will major in Speech and Language Pathology and Psychology. Other courses include a language course, such as isiZulu, Linguistics, Anatomy and Neurology. Practical courses are held at the University's Speech and Hearing Clinic and at speech and hearing clinics at hospitals, schools and care facilities, within the broader urban and rural context.

CAREERS

· Community Work and Outreach · Educational Settings · Government Healthcare Settings · Private Practice

PROGRAMME OUTLINE

First year

- Speech and Hearing Science
- Speech Pathology and Audiology I
- Psychology I
- Linguistics: Introduction to the Structure of Language I
- Linguistics: Language, Mind and Brain I
- Anatomy and Physiology for Speech, Language and Hearing

Second year

- Neuroanatomy
- Linguistics II
- Psychology II
- Speech-Language Pathology II
- Clinical Practical in Speech-Language and Hearing

Third year

- Practical in Speech-Language Pathology III
- Psychology III
- Speech-Language Pathology
- Research Report
- Clinical Practical

Fourth year

- Practical in Speech-Language Pathology III
- Psychology III
- Speech-Language Pathology
- Research Report
- Clinical Practical

www.wits.ac.za/course-finder/undergraduate/humanities/speech-language-pathology/

Social Work

Bachelor of Social Work

AFA04
Duration: 4 years

NSC REQUIREMENTS
APS 34+
English Home Language OR First Additional Language Level 5
Waitlisting
Applicants with an entry requirement of at least 30-33 APS points are wait-listed, subject to place availability.

International Qualifications: Page:19

Closing Date: 30 September

Promote social change and the development and wellbeing of people.

The Social Work Department strives to be a centre of excellence in promoting social change, development and the well-being of people, through research, teaching and community service. Social workers help individuals, groups and communities solve problems relating to human relationships and facilitate the empowerment and liberation of people by enhancing their well-being and promoting social change. Principles of human rights, anti-oppression and social justice form the foundation of the profession.

During the four-year degree, you will learn about professional ethics and processes in social work, as well as different intervention models, the legislative framework, research methodologies and concepts and theories underpinning the profession.

Once you've completed the undergraduate degree, you may extend your studies to Master's and Doctorate levels.

CAREERS

- Marriage and Divorce Counsellor
- Substance Abuse Counsellor
- Development Planner Working with Disadvantaged Communities
- Lecturer
- Personnel Manager
- Probation Officer
- Social Welfare Manager
- Social Welfare Researcher
- Social Worker in the fields of:
  - Child and Family Welfare
  - Geriatrics
  - Occupational
  - Medical
  - Educational Social Work

PROGRAMME OUTLINE

First year

- Psychology I
- Sociology I
- Social Work I

Second year

- Psychology II
- Sociology II
- Social Work II

Third year

- Social Work III
- Psychology III

OR

- Sociology III

Fourth year

- Field Instruction
- Social Work Theory
- Research Report

Message FROM THE DEAN

FACULTY OF SCIENCE

This is an exciting time to be part of science because science drives the modern world – it always has and always will. Scientific research in the past 100 years has been the basis for the technology we still enjoy today. There are many challenges facing the world today, brought about by an ever increasing population and the enormous pressures this is putting on our limited resources and environment. Scientific research is going to be a source for finding sustainable solutions. Data science methods, machine learning and artificial intelligence are important, emerging, new endeavours to help with decision-making in a wide range of activities and these ideas have their roots in science. All 10 schools in the Faculty are actively engaged in pursuing research at the highest international standards. It is within this milieu of excellence that we develop postgraduate students up to PhD level.

At Wits, we expect academics to be strongly involved in the engagement of society in our public outreach programmes. Wits is critical to the transformation of Africa. At Wits, we want you to go as far and as high as you can. I believe we have an obligation to make this a better place for all. I look forward to welcoming you to the Faculty of Science.

PROFESSOR NITHAYA CHETTY

The Faculty of Science is one of the leading science faculties in South Africa.

Faculty of SCIENCE

A degree from Wits is an investment in your life and a passport to the world. Studying science opens doors to exciting careers in fields like medical research, chemistry, computer science, biotechnology, genetic engineering and environmental sciences.

CHOOSE YOUR *Programme*

NATIONAL BENCHMARK TEST

All Faculty of Science applicants must write the National Benchmark Tests (NBT) before being considered for admission (refer to Page 12). There are two tests: The Academic and Quantitative Literacy Test and the Mathematics Test. Your test results are used in addition to your Grade 12 results to identify students who may need additional support during the course of their studies.

RULES FOR THE NBT

You must register on the NBT website, or via mobile phone, to write the tests. Registration closes about three weeks before each test date. You can register for the NBT before you submit your application to Wits. DO NOT wait for an official notification from Wits to register for and write the tests, because you may miss the end of September deadline.

- The test fee can be paid once you have registered to write the test.
- The tests must be written by 31 October 2023. You are encouraged to write the tests as early as possible.
- For a comprehensive list of test dates, registration dates and available venues, please refer to the NBT website www.nbt.ac.za
- Both tests must be written in one session.
- ONLY the first attempt results will be considered so we advise against writing the tests more than once in a year.

BROAD AREAS OF STUDY IN SCIENCE

The broad areas of study covered in the BSc degree include:

BIOLOGICAL SCIENCES

Biology involves the study of living organisms, from understanding genes to managing ecosystems. This includes the biochemistry of molecules, such as DNA, RNA and proteins; the physiological functions of cells, tissues, organs and organ systems; the influence of evolutionary relationships on biological problems; and aquatic and terrestrial ecology.

Biological Sciences fall into two main streams: the School of Animal, Plant and Environmental Sciences and the School of Molecular and Cell Biology.

Courses offered by the School of Animal, Plant and Environmental Sciences cover three broad themes: Biodiversity, Ecology and Conservation and Organismal Biology. You will study living things and their interaction with the environment. Specialist areas include savannas, grasslands and aquatic biology, focusing on biodiversity, sustainable resources and range limitation; ecology and animal behaviour (herbivores, beetles, rodents, lizards, snakes, birds, etc.); biocontrol; biodiversity; conservation; restoration; ecophysiology; systematics; taxonomy; and evolutionary biology. The courses teach important basic knowledge, while exploring new and relevant fields. Training involves both field work and laboratory skills. The majors combine courses to offer you flexibility and choice.

The School of Molecular and Cell Biology offers four majors: Applied Bioinformatics, Biochemistry and Cell Biology, Genetics and Developmental Biology and Microbiology and Biotechnology.

This programme gives you a comprehensive introduction to molecular advances and their application in medicine, agriculture and biotechnology. Considered the science of the future, molecular understanding has made a substantial impact in a number of disciplines, including bioinformatics, forensics and drug design.

Regardless of the stream you choose, you must register for Introductory Life Sciences, Chemistry and Auxiliary Mathematics in your First year. Other course options include Complementary Life Sciences, Physics Auxiliary, Psychology, Geography, Archaeology and Philosophy.

EARTH SCIENCES

Earth Sciences study the earth's processes, atmosphere and organisms.
Specialist fields include the exploration for and mining of, minerals; weather and earthquake prediction; the evolution of species; and the state of our natural environment and how to best manage it.

Earth Sciences courses are taught through the Schools of Geosciences and Geography, Archaeology and Environmental Studies.

MATHEMATICAL SCIENCES

Wits has three 'Mathematical Sciences' schools, including the School of Mathematics, the School of Computer Science and Applied Mathematics and the School of Statistics and Actuarial Science.

KNOW THE DIFFERENCE

- Pure Mathematics is a developing science.
- Computer Science covers hardware and software, in all their applications.
- Applied Mathematics has applications in banking, finance and industry.
- Statistics and Actuarial Science are important in business and governmental planning, insurance, finance, banking and investments.

PHYSICAL SCIENCES

Physical Science include nuclear, particle, solid and liquid state physics, as well as electricity, electronics, magnetism, optics, acoustics, heat and thermodynamics. This area also covers the composition of matter (gas, liquid or solid) and the changes that take place under certain conditions. Physical Sciences are taught by the Schools of Chemistry and School of Physics.

THE BACHELOR OF SCIENCE (BSc)

This flexible three-year programme allows you to 'design' your own degree. An additional year of study could lead to a teaching qualification or a more specialised Honours qualification. And because the Faculty actively encourages research, many students go on to study for Master of Science and Doctoral degrees. The BSc General is automatically added when applying for any of the Science fields.

WHEN PLANNING YOUR BSC DEGREE, KEEP IN MIND...
You need two major courses at third year Level. Choose complementary First year courses that will expand your options as you proceed to second and third year. In some cases, you can include courses from other faculties, like Psychology, Philosophy, or Economics.

The BSc programme is based on a credit system. Each course carries a number of credits, defined by Level and duration. You need to complete a minimum number of science courses to have two major courses at third year Level, one of which must be in the Faculty of Science.

The BSc credit structure

Four Level I courses
Three of these must be major courses (minimum of 144 credits)

Three Level II courses
Two of these must be major courses (minimum of 144 credits)

Two Level III courses
At least one of which must be taken through the Faculty of Science(minimum of 144 credits)

NSC REQUIREMENTS

APS 42+
English Home Language OR
First Additional Language Level 5
Mathematics Level 5
Waitlisting
Applicants with 40-41 points may be wait-listed, subject to place availability.
International Qualifications: Page 23
Closing Date: 30 September

Biodiversity

Bachelor of Science in the field of Biological Sciences

SBA11
Major: Biodiversity
Duration: 3 years

NSC REQUIREMENTS

APS 43+
English Home Language OR First Additional Language Level 5
Mathematics Level 5
Waitlisting
Applicants with 41-42 points may be wait-listed, subject to place availability.
International Qualifications: Page 23

Closing Date: 30 September

Study the foundations of animal, ecology and plant sciences.

This exciting course, offered by the School of Animal, Plant and Environmental Sciences, provides you with the appropriate skills, knowledge and attitudes needed for a range of zoological, botanical and ecological careers and specialisations.

CAREERS

- Agricultural Research Council (ARC)
- Biodiversity Planner
- Biology Education
- Department of Water Affairs and Forestry (DWA)
- Education Officer
- Herbaria (e.g. at Kirstenbosch)
- Medical Research (Linked to Herbal Medicines)
- Nature Conversation
- Research for the Council for Scientific and Industrial Research (CSIR)
- Scientific Journalism
- Private Consulting Firms
- South African National Biodiversity Institute (SANBI)

PROGRAMME OUTLINE

First year

Introductory Life Sciences
AND
Chemistry
AND
Auxiliary Mathematics
AND
Any other Level I course
Recommended:
- Complementary Life Sciences

Second year

Life on Earth: Diversity
Life on Earth: Evolution
Ecology, Environment, and Conservation IIA and IIB
Animal Form and Function
Plant Form and Function
AND
Basic Statistics for the Natural Sciences
AND
Any other Level II courses

Third year

Each major has a choice of the following courses:
Applied Ecology and Global Change IIIA: Individuals, Populations and Communities
Applied Ecology and Global Change IIIB: Managing our Complex World
AND
Any other level III course

Ecology and Conservation

Bachelor of Science in the field of Biological Sciences
SBA11
Majors: Ecology and Conservation
Duration: 3 years

NSC REQUIREMENTS
APS 43+
English Home Language OR First Additional Language Level 5
Mathematics Level 5
Waitlisting
Applicants with 41-42 points may be wait-listed, subject to place availability.
International Qualifications: Page 23

Closing Date: 30 September

Study ecology, conservation and environmental science.

You will gain insight into the quantitative study and use of ecological, physiological and systematic principles. These are studied in the contexts of ecology, conservation and environmental science and their applications in conservation biology and environmental management.

You can continue studies in Law, Economics, Engineering, Veterinary Science and Development Management.

Offered by the School of Animal, Plant and Environmental Sciences, this career line includes diverse training in ecology and conservation, which are sought-after skills in dealing with the interdisciplinary challenges faced by society.

CAREERS

· Ecotourism · Environmental Consultancy · Environmental Economist · Environmental Education
· Environmental Engineer · Environmental Lawyer · Environmental Management · Environmental NGO · Forestry
· Nature Conservation · Planning and Consulting · Wildlife Documentaries
· Research for South African Environmental Observation Network (SAEON)

PROGRAMME OUTLINE

First year

Introductory Life Sciences
AND
Chemistry
AND
Auxiliary Mathematics
AND
Any other Level I course
Recommended:
· Complementary Life Sciences

Second year

Life on Earth: Diversity
Life on Earth: Evolution
Ecology, Environment, and Conservation IIA and IIB
Plant Form and Function
AND
Basic Statistics for the Natural Sciences
AND
Any other Level II courses

Third year

Each major has a choice of the following courses:
Applied Ecology and Global Change IIIA: Individuals, Populations and Communities
Applied Ecology and Global Change IIIB: Managing our Complex World
AND
Any other level III course

Organismal Biology

Bachelor of Science in the field of Biological Sciences
SBA11
Major: Organismal Biology
Duration: 3 years

NSC REQUIREMENTS
APS 43+
English Home Language OR First Additional Language Level 5
Mathematics Level 5
Waitlisting
Applicants with 41-42 points may be wait-listed, subject to place availability.
International Qualifications: Page 23

Closing Date: 30 September

Study how evolution, heredity and development shape animal and plant life.

Animal and plant life is shaped by central processes of evolution, heredity and development. In the School of Animal, Plant and Environmental Sciences, we focus largely on whole organisms. However, we also cover topics ranging from basic animal or plant biology, including physiology, to animal and plant interactions with the biotic and abiotic characteristics of their environments.

The syllabus provides broad competence for careers involving the biology of animals and plants in relation to their environment, including human or veterinary medicine.

This major aligns well with Physiology or Anatomy offered through the Faculty of Health Sciences and is an excellent first degree for continuing in the medical profession.

CAREERS

· Biodiversity Planner · Biology Education · Education Officer· Private Consulting Firms · Scientific Journalism
· Veterinary Research Institute
Research or related work in various institutions:
· Council for Scientific and Industrial Research (CSIR) · Agricultural Research Council (ARC)
· Department of Water Affairs and Forestry (DWA) · South African National Biodiversity Institute (SANBI)
· Nature conservation, museums (e.g. Ditsong NMNH)

PROGRAMME OUTLINE

First year

Introductory Life Sciences
AND
Chemistry
AND
Auxiliary Mathematics
AND
Any other Level I course

Second year

Life on Earth: Diversity
Life on Earth: Evolution
Animal Form and Function
Plant Form and Function
AND
Basic Statistics for the Natural Sciences
AND
Any other Level II courses

Third year

Each major has a choice of the following courses:
Biodiversity in a Changing World IIIA: From Process to Pattern
Biodiversity in a Changing World IIIB: From Physiology to Behaviour
AND
Any other level III course

Course selection is subject to the guidance of the School for second and third year majors.

Applied Bioinformatics

Bachelor of Science in the field of Biological Sciences
SBA11
Major: Applied Bioinformatics
Duration: 3 years

NSC REQUIREMENTS
APS 43+
English Home Language OR First Additional Language Level 5
Mathematics Level 5
Waitlisting
Applicants with 41-42 points may be wait-listed, subject to place availability.
International Qualifications: Page 23

Closing Date: 30 September

Study how bioinformatics is used to select and describe computational results.

This programme, offered by the School of Molecular and Cell Biology, helps you to understand how bioinformatics is used in the scientific field. This includes how to select, describe and use basic bioinformatics tools and how to interpret computational results.

You will learn the history and application of bioinformatics, as well as algorithm, pipeline and software development and analysis and the transfer and storage/database development of genomics data. You will also explore gene expression data analysis, protein structure, functional genomics and genome analysis. Bioinformatics is important to genetic research because the large-scale, complex data that is generated in genomics simply would not make sense without contextual knowledge of how life forms work.

CAREERS

· Biomechanics · Biostatistics · Conservation Genomics · Data Management · Drug Discovery · Genomics
· Healthcare Scientist · Molecular Modelling · Pharmacogenomics · Precision Medicine

PROGRAMME OUTLINE

First year

Introductory Life Sciences
AND
Chemistry
AND
Auxiliary Mathematics
OR
Mathematics I (Major):
· Algebra
· Calculus
AND
Any other Level I course
Recommended course:
· Physics I (Auxiliary)

Second year

Molecular and Cell Biology IIA: Molecular Processes
AND
Molecular and Cell Biology IIB: Cells and Organisms
AND
Molecular and Cell Biology IIC: Applications
(for double-MCB major students)
OR
Any other Level II course

Third year

Applied Bioinformatics
AND
Any other Level III major

Biochemistry and Cell Biology

Bachelor of Science in the field of Biological Sciences
SBA11
Majors: Biochemistry and Cell Biology
Duration: 3 years

NSC REQUIREMENTS
APS 43+
English Home Language OR First Additional Language Level 5
Mathematics Level 5
Waitlisting
Applicants with 41-42 points may be wait-listed, subject to place availability.
International Qualifications: Page 23

Closing Date: 30 September

Study life forms and their functions at the molecular level.

Biochemistry embraces the fascinating worlds of Molecular Biology, Biotechnology, Genetic Engineering, Immuno-Technology, Advanced Cell Biology and Enzymology.

In Biochemistry and Cell Biology, you will study all living organisms (microbes, parasites, plants, insects, animals and humans) at the molecular level. You will investigate the structure and biological functions of enzymes, carbohydrates, fats, proteins and nucleic acids.

CAREERS

· Analytical Biochemistry · Biomedical Scientist · Clinical Biochemistry · Forensic Scientist · Healthcare Scientist
· Industrial Enzymology · Life Science Research Scientist · Nanotechnologist · Personalised Medicines
· Protein Biotechnology

PROGRAMME OUTLINE

First year

Introductory Life Sciences
AND
Chemistry
AND
Auxiliary Mathematics
AND
Any other Level I course

Second year

Molecular and Cell Biology IIA: Molecular Processes
AND
Molecular and Cell Biology IIB:Cells and Organisms
AND
Molecular and Cell Biology IIC:
Applications (for double-MCB major students)
OR
Any other Level II course

Third year

Biochemistry and Cell Biology
AND
Any other Level III major

Genetics and Development Biology

Bachelor of Science in the field of Biological Sciences
SBA11
Majors: Genetics and Developmental Biology
Duration: 3 years

NSC REQUIREMENTS
APS 43+
English Home Language OR First Additional Language Level 5
Mathematics Level 5
Waitlisting
Applicants with 41-42 points may be wait-listed, subject to place availability.
International Qualifications: Page 23

Closing Date: 30 September

Study how genes function.

This is the era of the gene. You can sequence it. You can research how it functions. You can study how it makes an animal, plant, bacterium, or virus. You can understand how it evolves and how it can make cells cancerous. What's more, with the help of modern tools, you can now quickly and precisely edit a plant or animal genome.

See how genes are transforming biology, biotechnology, the pharmaceutical industry and medicine.

Be part of the exciting advances in genetics and genomics, and at the forefront of applied research, by joining MCB. The courses within the Genetics and Developmental Biology major include: Gene Regulation in Eukaryotes, Genomes and Genomics, Population Genetics and Advanced Developmental Biology.

CAREERS

· Clinical Research Associate · Genetic Counselling · Healthcare Scientist (Immunology) · Medical Diagnostics
· Pharmacogenetics · Plant and Animal Breeding · Research Scientist (Life Sciences and Medical)
· Scientific and Medical Research

PROGRAMME OUTLINE

First year

Introductory Life Sciences
AND
Chemistry
AND
Auxiliary Mathematics
AND
Any other Level I course

Second year

Molecular and Cell Biology IIA: Molecular Processes
AND
Molecular and Cell Biology IIB: Cells and Organisms
AND
Molecular and Cell Biology IIC:
Applications (for double-MCB major students)
OR Any other Level II course

Third year

Genetics and Developmental Biology
AND
Any other Level III major

Microbiology and Biotechnology

Bachelor of Science in the field of Biological Sciences
SBA11
Majors: Microbiology and Biotechnology
Duration: 3 years

NSC REQUIREMENTS
APS 43+
English Home Language OR First Additional Language Level 5
Mathematics Level 5
Waitlisting
Applicants with 41-42 points may be wait-listed, subject to place availability.
International Qualifications: Page 23

Closing Date: 30 September

Study microbe groups, their morphology, metabolism, genetics and taxonomy.

Microbiology and Biotechnology is the study of small living creatures, or microbes, including bacteria, viruses, yeasts, and fungi. Our courses provide you with basic knowledge of the various microbe groups, their morphology, metabolism, genetics and taxonomy. Microbiology and Biotechnology embrace environmental biotechnology, industrial microbiology, food and medical microbiology and plant genetic engineering.

CAREERS

· Agricultural, Medical, Environmental and Veterinary Biotechnology · Brewing · Industrial Biotechnology
· Food Security · Insecticides Research and Production · Healthcare Scientist (Immunology) · Microbiology
· Nanotechnology · Pharmacology · Production of Scientific Products · Water Quality Research

PROGRAMME OUTLINE

First year

Introductory Life Sciences
AND
Chemistry
AND
Auxiliary Mathematics
AND
Any other Level I course

Second year

Molecular and Cell Biology IIA: Molecular Processes
AND
Molecular and Cell Biology IIB: Cells and Organisms
AND
Molecular and Cell Biology IIC: Applications
(for double-MCB major students)
OR
Any other Level II major course

Third year

Microbiology and Biotechnology
AND
Any other Level III major

Geographical and Archaeological Studies

Bachelor of Science in the field of Geographical and Archaeological Studies
SBA10
Majors: Geography and Archaeology
Duration: 3 years

NSC REQUIREMENTS

APS 42+
English Home Language OR
First Additional Language Level 5
Mathematics Level 5
Waitlisting
Applicants with 40-41 points may be wait-listed, subject to place availability.
International Qualifications: Page 23

Closing Date: 30 September

Study environmental change, policy, systems, information systems and remote sensing.

Teaching and research in Geography closely engages with the southern African region while drawing on broad theoretical frame works and global matters such as climate change, environmental policy and development agendas. An undergraduate degree in Geography provides grounding in:

- Earth Systems - from climate studies and meteorology, to earth surface processes, to earth's biodiversity and ecosystems.
- Environmental Change - from land degradation to environmental management.
- Environmental Policy - including global and national environmental agendas, shortfalls and policy implementation.
- Geographical Information Systems and Remote Sensing - foundation courses in GIS and Remote Sensing are carried out in our GIS labs during the second and third years of study.
- Human Society - looking at economic development, climate and society, cultural geography, food security and urban dynamics. In addition to course work, research forms an important basis for learning in Geography. Students will embark on group fieldwork and independent research and field trips take place throughout the programme.

HONOURS STUDY
Follow your BSc undergraduate degree with an Honours degree, one-year (full-time) and specialise in a field that will allow you to follow your passion in the career of your choice.

South Africa's archaeological record is particularly rich. It covers a period of over two million years, starting with the first toolmakers. Archaeology is a dynamic subject that grows with each new discovery or technological advance. As a prospective archaeologist, you will learn about the origins of humans, rock art and the evolution of technology from the Stone Age to the present. Fieldwork takes you to some of South Africa's best archaeological sites.

CAREERS

· Biodiversity Conservation · Climate Change · Environmental Assessment · Ecosystem Services · Food Security · Geomorphology · Hydrology · Market Research · Meteorology and Weather Forecasting · Property Development · Urban Development · Rural Development · Tourism Development · Water or Aquatic Resources Management · Contract Archaeology · Conservation · Environmental and Cultural Heritage Management · Heritage Assessors · Museum Curator · Museum Development · Research · Site Development · Tourism and Media

PROGRAMME OUTLINE

First year

Geography **AND** Archaeology **AND** Auxiliary Mathematics
OR Mathematics I (Major)
· Algebra
· Calculus
AND Any other Level I course
Recommended courses: Chemistry / Geology

Second year

· Geography II
· Earth and Atmospheric Processes
· Methods, Models and Geographical Information Systems Thinking Geographically: Concepts and Practices in Human Geography
· Environmental Governance: From Local to Global **OR** Conservation Biogeography
AND Archaeology
AND Any other Level II course

Third year

Geography III - Four courses from:
- Food: Security, Politics and Culture
- Climate and Environmental Change
- Economic Geography
- Environmental Monitoring and Modelling
- Remote Sensing and Photogrammetry III
- Theory and Practice in Sustainability Science and Sustainable Development
- Urban Futures: The Political-Economy of Population and Scarcity
- Coastal Geomorphology
- Advanced Atmospheric Sciences

AND/OR Archaeology
AND/OR Any other Level III major
NB: All eight Geography III courses may be taken for a double major in Geography

Environmental Studies

Bachelor of Science in the field of Environmental Studies
SBA22
Majors: Environmental Studies III
Duration: 3 years

NSC REQUIREMENTS
APS 42+
English Home Language OR
First Additional Language Level 5
Mathematics Level 5
Waitlisting
Applicants with 40-41 points may be wait-listed, subject to place availability.
International Qualifications: Page 23

Closing Date: 30 September

Study relationships between people and the environment.

This major provides students with a cross-cutting and interdisciplinary science and social science education, focusing in particular on the historical and contemporary issues facing southern Africa today, including climate and environmental change, resource management (including heritage resources), environmental justice and sustainability. This major pathway is designed to be integrated and multidisciplinary, to encourage students to develop skills that can be applied to national-scale issues of development, transformation and employability in South Africa

CAREERS

- Environmental manager
- Environmental consultant
- Hydrologist
- Government
- Resource manager
- Conservationist
- Environmental Impact assessment
- Tourism officer
- Climate change impacts analyst

PROGRAMME OUTLINE

First year

Auxiliary Mathematics **OR** Mathematics I (major):
- Algebra
- Calculus

AND
- Geography
- Introductory Life Sciences
- Archaeology
- Recommended courses: Geography Introductory Life Sciences Archaeology

Second year

People and the Environment in Africa
Nature, Climate and Society
AND
Any two other Level II majors

Third year

Theory and Practice in Sustainability Science and Sustainable Development
Contemporary Environmental Issues in Southern Africa
AND any two courses from the list below:
Human Biometeorology
Heritage Resources Management
Communicating Environmental Issues
Political Ecology and Environmental Justice
AND
Any other Level III course

HONOURS STUDY
Follow your BSc undergraduate degree with an Honours degree, one-year (full-time) and specialise in a field that will allow you to follow your passion in the career of your choice.

Geospatial Sciences

Bachelor of Science in the field of Geospatial Sciences
SBA20
Majors: Geospatial Sciences III and Geographic Information Systems and Remote Sensing III
Duration 3 years

NSC REQUIREMENTS
APS 42+
English Home Language OR
First Additional Language Level 5
Mathematics Level 5
Waitlisting
Applicants with 40-41 points may be wait-listed, subject to place availability.
International Qualification: Page 23

Closing Date: 30 September

Study information technology to understand life on earth.

Geospatial Sciences is a discipline that focuses on using information technology to understand people, places and processes of the earth. Remote Sensing, Geographic Information Systems and Global Positioning Systems technologies are commonly used as measurement, observation and analysis tools.

If you have good Mathematics and Physical Science marks and take Geology II and III, you can specialise in Mining Geology through second- and third year co-majors. The School also offers a co-major in Applied Geology.

CAREERS

Applications Specialist · Cartographer · Computer Scientist · Database Administrator · Geographer · GIS Image Analyst · Photogrammetrist · Physical Scientist · Project Manager · Remote Sensing Scientist · Surveyor

PROGRAMME OUTLINE

First year

Geology
AND
Auxiliary Mathematics
AND
Additional courses yielding a minimum of 72 Level I credits
Recommended courses:
- Introductory Life Sciences
- Chemistry I

Second year

Geospatial Sciences:
- Engineering Surveying
- Auxiliary Computer Science and Programming IA
- Auxiliary Computer Science and Programming IB
- Auxiliary Database Systems

AND
Basic Statistics for Natural Sciences
AND
Geography II:
- Geographic Information Systems, Science and Mapping Systems
- Thinking Geographically: Concepts and Practices in Human Geography

AND
Any two courses yielding 12 credits each as listed below:
- Earth and Atmospheric Processes
- An Introduction to Climate Change and Society
- Environmental Governance: From Local to Global
- Conservation Biogeography

AND
Any other Level II course

Third year

Geospatial Sciences III:
- Geospatial Data Design and Management
- Project Management in Geospatial Science
- Spatial Data Analysis and Modelling
- Introduction to Spatial Statistics

AND
Remote Sensing and Photogrammetry
AND
Three courses from the list below:
- Economic Geography
- Climate and Environmental Change
- Advanced Atmospheric Sciences
- Theory and Practice in Sustainability Science and Sustainable Development
- Environmental Monitoring and Modelling
- Urban Futures: The Political Economy of Population and Scarcity
- Food: Security, Politics and Culture
- Geospatial Data Design and Visualization

Geological Sciences

Bachelor of Science in the field of Geological Sciences

SBA09
Majors: Geology and Applied Geology
Duration 3 years

NSC REQUIREMENTS

APS 42+
English Home Language OR
First Additional Language Level 5
Mathematics Level 6
Physical Science Level 5
Waitlisting
Applicants with 40-41 points may be wait-listed, subject to place availability.
International Qualification: Page 23

Closing Date: 30 September

Study mineral exploration and extraction.

Geoscientists are key to South Africa and Africa's current and future economic development and carry out important work in searching for and extracting, economic mineral resources. Most graduates work in mines or for mineral exploration companies. An increasing number of graduates work in environmental geoscience. As a geoscientist, you must be inquisitive and passionate about the world, be prepared to travel and enjoy working outdoors or in a mining environment. South Africa's large mining sector provides bursary opportunities.

If you have good Mathematics and Physical Science marks and take Geology II and III, you can specialise in Mining Geology through second- and third year co-majors. The School also offers a co-major in Applied Geology.

CAREERS

- Academic Researcher
- Environmental Consultant
- Geochemist
- Geologist
- Geophysics Consultant
- GIS-Remote Sensing Specialist
- Government Survey Geologist
- Heritage/Tourism Consultant
- Hydrogeologist
- Mining
- Mining Analyst
- Minerals and Oil Exploration Geologist
- Mineralogist
- Palaeontologist
- Teacher

PROGRAMME OUTLINE

First year

Geology
AND
Chemistry
AND
Mathematics I (Major):
- Algebra
- Calculus

AND
Any other Level I course
Recommended courses:
- Geography
- Physics I (Major)
- Introductory Life Sciences

Second year

Geology II:
- Igneous Petrology and Processes
- Mineralogy and Optical Mineralogy
- Metamorphic Petrology and Processes
- Sedimentology, Stratigraphy and Palaeontology

AND
Applied Geology II:
- Introduction to Geochemical Techniques
- Geological Mapping Techniques

AND
Basic Statistics for Natural Scientists
AND
Any other Level II course

Third year

Geology III:
- Advanced Petrology
- Economic Geology and Ore Petrology
- Structural Geology
- Tectonics of the Earth

AND Applied Geology III:
- Advanced Geological Mapping Techniques
- Exploration Methods
- Geographical Information Systems and Remote Sensing
- Hydrogeology and Water Resource Management

Actuarial Science

Bachelor of Science in the field of Actuarial Science
SBA03
Majors: Actuarial Science and Mathematical Statistics
Duration: 3 years

NSC REQUIREMENTS
APS 42+
English Home Language OR
First Additional Language Level 7
Mathematics Level 7
Physical Science Level 7
Waitlisting
Applicants with 40-41 points and Mathematics Level 7 may be wait-listed, subject to place availability.
International Qualifications: Page 23

Closing Date: 30 September

Study the application of analytical, statistical and mathematical skills to financial and business problems.

A Wits Actuarial Science degree gives you a solid foundation for the internationally recognised actuarial examination. Over 480 graduates have qualified as actuaries since the programme began in 1983.

An actuary is a professional who applies analytical, statistical and mathematical skills to financial and business problems. This is especially valuable when facing problems involving uncertain future events or financial risks in insurance, retirement, investments and risk management environments.

The School of Statistics and Actuarial Sciences offers the largest number of accredited courses of any single university in Africa.

CAREERS

· Asset Management · Banking · Consulting
· Enterprise Risk Management · General Insurance
· General Management · Health Care · Life Insurance
· Research and Planning · Retirement Funding

PROGRAMME OUTLINE

First year

Actuarial Science
AND
Mathematical Statistics
AND
Mathematics I (Major):
· Algebra
· Calculus
AND
· Economic Theory IA Microeconomics
· Economic Theory IB Macroeconomics
AND
Business Accounting

Second year

Actuarial Science
AND
Mathematical Statistics
AND
Mathematics II:
· Abstract Mathematics
· Differential Equations
· Basic Analysis
· Linear Algebra
· Multivariable Calculus
· Advanced Analysis

Third year

Actuarial Science III:
· Computers and Communications for Actuaries
· Life Contingencies
· Actuarial Economics
· Actuarial Reserving Techniques
AND
Mathematical Statistics III:
· Multivariate Data Analytics
· Risk Theory
· Statistical Elements of Machine Learning
· Stochastic Processes
· Survival Analysis
· Time Series

Computational and Applied Mathematics

Bachelor of Science in the field of Computational and Applied Mathematics
SBA21
Major: Computational and Applied Mathematics
Duration: 3 years

NSC REQUIREMENTS
APS 44+
English Home Language OR First Additional Language Level 5
Mathematics Level 6
Waitlisting
Applicants with 41-43 points may be wait-listed, subject to place availability.
International Qualifications: Page 23

Closing Date: 30 September

Study the application of mathematics and computational techniques to problems in commerce and industry, engineering, finance and economics, society, the medical sciences and pure sciences.

Applied Mathematics is important in many disciplines. The School also teaches engineers, architects, building scientists, town planners, commerce students and medical and health science students.

CAREERS

Requires postgraduate studies that lead to mathematical modelling which is applicable in medicine, economics and in the social sciences, advanced mathematics of finance and can also lead to careers in astronomy and trading.

PROGRAMME OUTLINE

First year

Computational and Applied Mathematics I:

Mathematical Methods and Modelling Mechanics

Scientific Computing

AND

Mathematics I (Major):

- Algebra
- Calculus

AND

Any two other Level I courses

Recommended courses:

Computer Science I:

- Discrete Computational Structures
- Introduction to Algorithms and Programming
- Introduction to Data Structures and Algorithms
- Basic Computer Organisation

Physics I (Major)

Second year

Computational and Applied Mathematics II:
- Mathematical Methods and Modelling
- Mechanics
- Scientific Computing

AND

Mathematics II :
- Abstract Mathematics
- Basic Analysis
- Introduction to Mathematical Statistics
- Linear Algebra
- Multivariable Calculus
- Advanced Analysis

AND

Any other Level II course

Third year

Computational and Applied Mathematics

AND

Any other Level III major

Computer Science

Bachelor of Science in the field of Computer Science

SBA13
Majors: Computer Science and Computational Applications
Duration: 3 years

NSC REQUIREMENTS

APS 44+
English Home Language OR First Additional Language Level 5
Mathematics Level 6
Waitlisting
Applicants with 41-43 points may be wait-listed, subject to place availability.
International Qualifications: Page 23

Closing Date: 30 September

Study the many ways in which computers can be used in problem-solving.

Computer Science is the discipline of solving problems via solutions that are implemented on computers. These problems can arise from a variety of areas, such as commerce, finance, mining, science, engineering, mathematics, music and entertainment. To be a successful Computer Science student, you will need to be creative and have good critical thinking skills, analytical ability and mathematical ability.

The undergraduate Computer Science curriculum teaches you the fundamental mathematical and scientific principles behind Computer Science, as well as the practical skills required. You will be taught how to design and implement programmes and how to analyse them for correctness and efficiency. You will also take courses in computer networks, database systems, operating systems, artificial intelligence, formal languages, software design and data structures.

CAREERS

· Game Design · Software Development · Software and System Architects · Teaching · Research ·Database and System Administration· App Development· Data Scientist· Machine Learning Engineer· Robotics· Artificial Intelligence· Consulting· Cyber Security.

PROGRAMME OUTLINE

First year

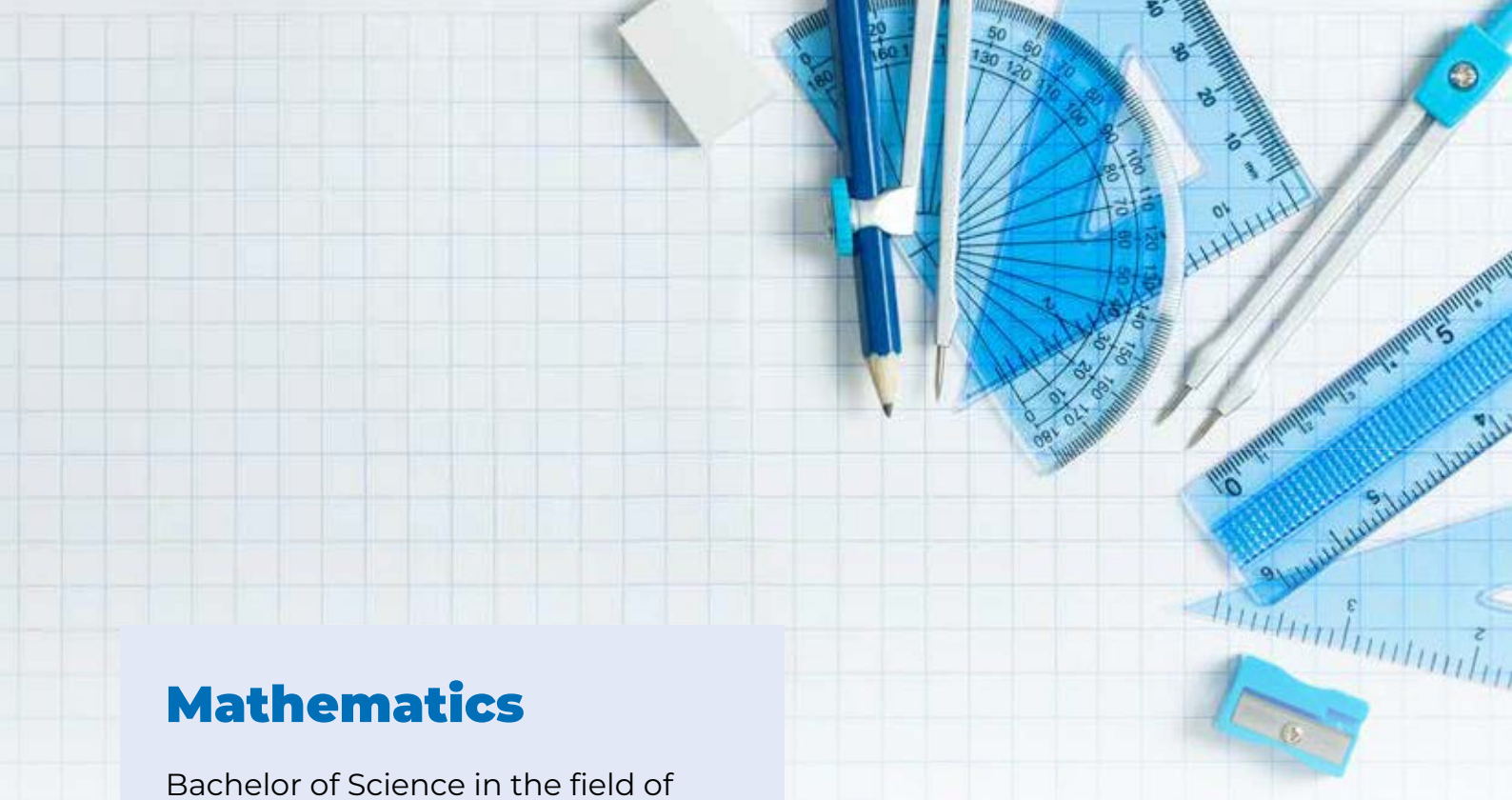
Computer Science I:
· Basic Computer Organisation
· Discrete Computational Structures
· Introduction to Algorithms and Programming
· Introduction to Data Structures and Algorithms
AND
Mathematics I (Major):
· Algebra
· Calculus
AND
Computational and Applied Mathematics I:
· Mathematical Methods and Modelling
· Mechanics
· Scientific Computing
AND
Any other level I course

Second year

Computer Science II:
· Analysis of Algorithms
· Computer Networks
· Database Fundamentals
· Mobile Computing
AND
Abstract Mathematics with Advanced Analysis
AND Computational and Applied Mathematics II:
Mathematical Methods and Modelling
· Mechanics
· Scientific Computing
AND
Computational and Applied Mathematics

Third year

Computer Science III:
· Analysis of Advanced Algorithms
· Formal Languages and Automata
Operating Systems and System Programming
· Software Design **OR** Software Engineering
AND
Computational Applications III:
· Computer Graphics and Visualisation
· Machine Learning
· Parallel Computing
· Software Design Project



Mathematics

Bachelor of Science in the field of Mathematics
SBA08
Major: Mathematics
Duration: 3 years

NSC REQUIREMENTS
APS 42+
English Home Language OR
First Additional Language Level 5
Mathematics Level 6
Waitlisting
Applicants with 40-41 points may be wait-listed, subject to place availability.
International Qualifications: Page 23

Closing Date: 30 September

Study the quantitative and logic structure that underpins many important fields of study.

Mathematics is the quantitative and logic structure that forms the basis of all analytical science, modern economics and finance.

You will take major stream Mathematics courses if you require Mathematics as a tool in other disciplines, or you intend to specialise in Mathematical Sciences or associated subjects, such as Mathematical Physics and Theoretical Physics.

CAREERS

Most of our graduates work in the financial sector, in mathematical finance and in the building of mathematical/statistical models of market and consumer behaviour.

PROGRAMME OUTLINE

First year

Mathematics I (Major):
- Algebra
- Calculus

AND
Any three other Level I courses
Recommended courses:
Computer Science I:
- Basic Computer Organisation
- Discrete Computational Structures
- Introduction to Algorithms and Programming
- Introduction to Data Structures and Algorithms
- Computational and Applied Mathematics

Economics IA Microeconomics
Economics IB Macroeconomics
Physics I (Major)

Second year

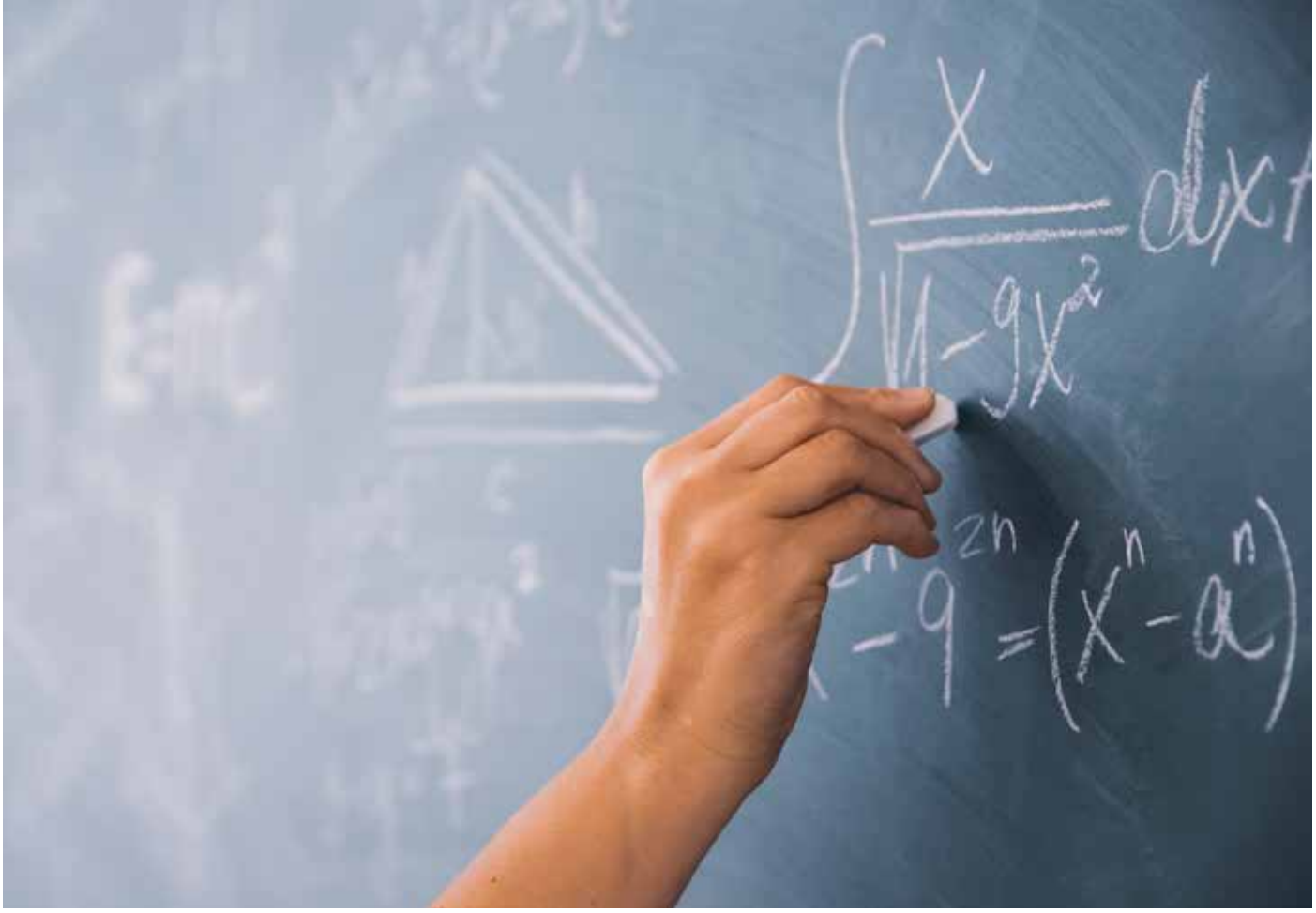
Mathematics II :
- Abstract Mathematics
- Basic Analysis
- Linear Algebra
- Multivariable Calculus
- Differential Equations **OR** Introduction to Mathematical Statistics
- Advanced Analysis

AND
Any two other Level II majors

Third year

Mathematics III:
- Group Theory
- Real Analysis
- Complex Analysis
- Number Theory **OR** Topology
- Coding and Cryptography **OR** Advanced Real Analysis
- Rings and Fields **OR** Positive Linear Systems

AND
Any other Level III major



Mathematical Sciences

Bachelor of Science in the field of Mathematical Sciences
SBA08
Majors: Mathematics and Statistics
Duration: 3 years

NSC REQUIREMENTS
APS 42+
English Home Language OR First Additional Language Level 7
Mathematics Level 7
Physical Science Level 7
Waitlisting
Applicants with 40-41 points may be wait-listed subject to place availability.
International Qualifications: Page 23

Closing Date: 30 September

Study statistics and computations and develop problem-solving skills.

The Mathematical Sciences curriculum will develop your problem-solving skills, combining statistical and computational aspects. These high-level skills can be applied in high-performance computing, robotics, operations research and many other areas. Theoretical and practical skills are necessary in Mathematical Sciences when pushing the boundaries of technological development.

CAREERS

· Advanced Mathematics of Finance · Banking · Statistician

PROGRAMME OUTLINE

First year

- Mathematics I (Major):
- Algebra
- Calculus

AND

- Computational and Applied Mathematics I:
- Mathematical Methods and Modelling
- Mechanics
- Scientific Computing

AND

Mathematical Statistics

AND

Additional courses yielding a minimum of 54 Level I credits

Second year

Mathematics II:

- Basic Analysis
- Abstract Mathematics
- Differential Equations
- Multivariable Calculus
- Linear Algebra
- Advanced Analysis

AND

Computational and Applied Mathematics II:

- Add three bullet points for
- Mathematical Methods and Modelling
- Mechanics
- Scientific Computing

AND

Mathematical Statistics

Third year

Mathematical Statistics III:

- Multivariate Data Analytics
- Risk Theory
- Statistical Elements of Machine Learning
- Stochastic Processes
- Survival Analysis
- Time Series

AND

Computational and Applied Mathematics

OR

Mathematics III:

- Group Theory
- Real Analysis
- Complex Analysis
- Number Theory **OR** Topology
- Coding and Cryptography **OR** Advanced Real Analysis
- Rings and Fields **OR** Positive Linear Systems

Chemistry

Bachelor of Science in the field of Physical Science (Chemistry)
SBA12
Majors: Chemistry and Applied Chemistry
Duration: 3 years

NSC REQUIREMENTS

APS 42+
English Home Language OR First Additional Language Level 5
Mathematics Level 6
Physical Science Level 5
Waitlisting
Applicants with 40-41 points may be wait-listed, subject to place availability.
International Qualifications: Page 23

Closing Date: 30 September

Study the structure, composition, behaviour and energetics of substances.

Chemistry is known as the central science because it lies between Physics and Mathematics on the one hand and Biological and Earth Sciences on the other. It is concerned with matter and how it changes. As a chemist, you will study the structure, composition, behaviour and energetics of substances. You will explore what happens when atoms and molecules react and try to understand the underlying changes that occur. You will observe phenomena in the world around us and your discoveries could impact our everyday lives.

Chemistry trains you to think logically, analytically and creatively. Basic Chemistry skills have applications in patent law, commerce, management and teaching, drawing on the language of Mathematics and the laws of Physics to describe the world from a chemical, biological and physical point of view. Chemistry plays a vital part in our understanding of the structure and interactions of matter in the universe.

CAREERS

· Administrators · Agricultural Research · Applied Chemical Research · Biotechnology · Chemical Analysis · Chemical Services · Consultants · Environmental Research · Food and Drink Technology · Forensic Science · Forestry Research · Hazardous Waste Management · Materials Research · Medical Research · Patents · Pesticides Industry · Petrochemical Industry · Personal Care Chemistry · Sales of Scientific Equipment · Science Publishing · Science Teacher · Textile Chemistry · Water Treatment and Analysis · Quality Control and Management

PROGRAMME OUTLINE

First year

Chemistry
AND
Mathematics I (Major):
· Algebra
· Calculus
OR
Auxiliary Mathematics
AND
Any two other Level I courses
Recommended courses:
· Introductory Life Science
· Physics I (major)
OR
Physics I (Auxiliary)

Second year

Chemistry II:
· Chemistry IIA
· Chemistry IIB
AND / OR
Applied Chemistry II:
· Applied Chemistry IIA
· Applied Chemistry IIB
AND
Any other Level II courses

Third year

Chemistry III:
· Chemistry IIIA
· Chemistry IIIB
AND / OR
Chemistry III:
· Applied Chemistry IIIA
· Applied Chemistry IIIB
OR
Any other Level III major

Chemistry with Chemical Engineering

Bachelor of Science in the field of Chemistry with Chemical Engineering
SBA04
Majors: Applied Chemistry and Chemistry
Duration 3 years

NSC REQUIREMENTS

APS 43+
English Home Language OR
First Additional Language Level 5
Mathematics Level 6
Physical Science Level 6
Waitlisting
Applicants with 40-42 points may be wait-listed, subject to place availability.
International Qualifications: Page 23

Closing Date: 30 September

Study industrial chemical processes for the production of important materials.

Chemical engineers combine the disciplines of Chemistry and Physics, expressed in mathematical language, with concepts such as course operations and reaction kinetics, to develop industrial chemical processes.

As a chemical engineer, you will build on the findings of the research chemist, who works with small amounts of materials in the laboratory. You will be concerned with the design, construction, operation and marketing of equipment that can reproduce the processes or products developed by chemists on a large scale. These include materials needed for specialist applications in the aerospace, automotive, biomedical and electronics industries. You might also work in biotechnology, designing bioreactors for plant cultures, or using bacteria to extract minerals from their ores, or in electronics, where you will conduct research on the synthesis of micro-electronic components.

The School of Chemistry offers a 3-year BSc degree that combines a Chemistry major with Chemical Engineering topics.

After obtaining the first degree, students can complete a BSc degree in Chemical Engineering in a further two years or proceed to a higher degree in Chemistry.

This is a unique offering from Wits where one can attain two degrees within five years.

CAREERS

· Administrators · Agricultural Research · Applied Chemical Research · Biotechnology · Chemical Analysis · Chemical Services · Consultants · Environmental Research · Food and Drink Technology · Forensic Science · Forestry Research · Hazardous Waste Management · Medical Research · Patents · Pesticides Industry · Petrochemical Industry · Personal Care Chemistry · Sales of Scientific Equipment · Science Publishing · Science Teacher · Textile Chemistry · Water Treatment and Analysis · Quality Control and Management

PROGRAMME OUTLINE

First year

Chemistry
AND
Mathematics I (Major):
· Algebra
· Calculus
AND
Physics I (Major)
AND
Engineering Analysis and Design IA and IB
AND
Any one course from the list below:
· Elementary Sesotho Language and Culture IA
· Elementary IsiZulu Language and Culture IA
· The International Relations of South Africa and Africa
· Introduction to Political Studies
· Southern Africa in the Era of Globalisation
· Identity and Society

Second year

Computing for Process Engineering
AND
Electrical Engineering
AND
Mathematics II (Engineering)
AND
Chemistry IIA AND Chemistry IIB
AND
Process Engineering Fundamentals IIA
AND
Economic Concepts IA

Third year

Applied Chemistry III:
· Applied Chemistry IIIA
· Applied Chemistry IIIB
AND
Chemistry III:
· Chemistry IIIA
· Chemistry IIIB
AND
Process Engineering Fundamentals IIB

Materials Science

Bachelor of Science in the field of Materials Science
SBA19
Major: Materials Science and Chemistry or Physics
Duration: 3 years

NSC REQUIREMENTS

APS 43+
English Home Language OR
First Additional Language Level 5
Mathematics Level 6
Physical Science Level 5
Waitlisting
Applicants with 40-42 points may be wait-listed, subject to place availability.
International Qualifications: Page 23

Closing Date: 30 September

Study the properties and applications of materials of construction or manufacture (such as ceramics, metals, polymers and composites).

Materials Science is a multidisciplinary field that involves the study of the properties of substances particularly solids and their applications. It involves the design and processing of materials and studying properties such as physical, mechanical, thermal, electronic and magnetic for the goal of attaining superior performance for various applications. In South Africa, companies such as Sasol, CSIR, Mintek, Element 6, PetroSA, NECSA, Impala, HySA Platinum, Sibanje Stillwater AngloGold, Pilot tools, Metallurgical Technologies and Bateman all need Materials Science students with a comprehensive background.

CAREERS

· CAD technician · Design engineer · Materials engineer · Metallurgist · Product/process development scientist · Research scientist (Physical Science) · Technical sales engineer

HONOURS STUDY
Follow your BSc undergraduate degree with an Honours degree, one-year (full-time) and specialise in a field that will allow you to follow your passion in the career of your choice.

PROGRAMME OUTLINE

First year

Chemistry
AND
Mathematics I (Major):
· Algebra
· Calculus
AND
Physics I (major)
AND
Any other Level I course

Second year

Materials Science
· Multivariable Calculus
· Differential Equations
· Linear Algebra
AND
Any group of courses yielding a minimum of 72 credits:
· Physics IIA
· Physics IIB
· Chemistry IIA
OR
· Chemistry IIA
· Chemistry IIB
· Physics IIA

Third year

Materials Science III
AND
Chemistry III:
· Chemistry IIIA
· Chemistry IIIB
OR
Physics III:
· Quantum Mechanics
· Quantum Mechanics and its Applications
· Statistical Physics
· Waves and Modern Optics
· Advanced Experimental Physics

Astronomy and Astrophysics

Bachelor of Science in the field of Astronomy and Astrophysics
SBA15
Majors: Physics and Astrophysics
Duration 3 years

NSC REQUIREMENTS
APS 43+
English Home Language OR
First Additional Language Level 5
Mathematics Level 6
Physical Science Level 6
Waitlisting
Applicants with 40-42 points may be wait-listed, subject to place availability.
International Qualifications: Page 23

Closing Date: 30 September

Study astronomical data and understand how the universe works.

Astrophysicists interpret astronomical data gathered by astronomers to understand how our universe works. Astronomers view the entire electromagnetic spectrum – called "Multi-Frequency Astronomy" – through optical telescopes, radio telescopes, microwaves, gamma-rays and X-rays.

An exciting career awaits you in Astronomy and Astrophysics in South Africa, which was awarded the Square Kilometre Array (SKA) project.

This comprises a core of radio telescopes in the Karoo, and is one of many projects supported by our own South African Large Telescope (SALT), an optical telescope sited at Sutherland.

CAREERS

· Astrophysicist · Physicist

PROGRAMME OUTLINE

First year

Physics I (Major)
AND
Mathematics I (Major):
· Algebra
· Calculus
AND
Computational and Applied Mathematics I:
· Mathematical Methods and Modelling Mechanics
· Scientific Computing
AND
Astrophysics:
· Introduction to Astronomy
· Modern Astrophysics

Second year

Physics II:
· Physics IIA (Major)
· Physics IIB (Major)
AND
Mathematics II:
· Multivariable Calculus
· Introduction to Mathematical Statistics
· Linear Algebra
AND
Computational and Applied Mathematics II:
· Mathematical Methods and Modelling II
· Mechanics
· Scientific Computing
AND
· Modern Radio and Gamma-ray Astronomy
· Relativity: The Basis of Cosmology and Astrophysics

Third year

Physics III:
· Quantum Mechanics
· Applications of Quantum Mechanics
· Statistical Physics
· Waves and Modern Optics
· Advanced Experimental Physics and Project
Astrophysics III:
· Advanced Astrophysics
· Cosmology: The Origin and Evolution of the Universe

Physics

Bachelor of Science in the field of Physical Science (Physics)

SBA12
Major: Physics
Duration: 3 years

NSC REQUIREMENTS

APS 42+
English Home Language OR
First Additional Language Level 5
Mathematics Level 6
Physical Science Level 5
Waitlisting
Applicants with 40-41 points may be wait-listed, subject to place availability.
International Qualifications: Page 23

Closing Date: 30 September

Study analytical and problem-solving skills in an increasingly technological society.

A degree in Physics equips you with analytical and problem-solving skills, which are in high demand. These skills also offer a background for understanding an increasingly technological society. Additionally, the course will equip you with experience for life-long learning in a rapidly changing world; mathematical skills that can be applied in many environments; and computational skills that are marketable in many sectors of the economy.

CAREERS

· Communications · Consultants and Administrators · Education · Environmental Science · Law · Physics Research · Project Managers · Software Engineers

PROGRAMME OUTLINE

First year

Physics (Major)
AND
Mathematics I (Major):
· Algebra
· Calculus
AND
Chemistry
AND
Any other Level I course

Second year

Physics II:
· Physics IIA and IIB
AND
Mathematics II:
· Abstract Mathematics
· Differential Equations
· Basic Analysis
· Linear Algebra
· Multivariable Calculus
· Advanced Analysis
AND
Any other Level II course

Third year

Physics III:
· Advanced Experimental Physics and Project
· Statistical Physics
· Quantum Mechanics
· Waves and Modern Optics
· Applications of Quantum Mechanics
· Introduction to Geophysics
AND
Any other Level III major

STUDENT life

AND SUPPORT SERVICES

There's more to university life than just studying.
Enjoy all the recreation around Wits and take advantage
of the many student support services and other resources on offer.

Student support and resources:

Student support and resources

The Division of Student Affairs offers student support, student development and co-curricular opportunities as an integral part of your journey to academic success, leadership skills, engaged citizenship and a rich Wits experience. These services and opportunities are offered via the following units:

Counselling and Careers Development

CAREER GUIDANCE AND PROFESSIONAL SUPPORT SERVICES

You're at Wits to get an excellent education – no question about that. But which career path should you pursue? And how can you acquire a realistic appreciation of the world of work? The Counselling and Careers Development Unit (CCDU) can help.

1. If you're in Grade 11 or 12, make an appointment for a career counselling session with a Career Practitioner. This will help you to clarify your career goals and identify suitable career paths to make an informed decision. Contact the Unit for an appointment.
2. If you're a Grade 11 or 12 learner, a current university student or an adult considering a mid-career change, you could also consider doing a Psychometric Career Assessment (at a fee). Contact the Unit for more information. This programme uses both computerised and written psychometric assessment tools to evaluate your learning potential, interests, personality and values to assist you in choosing suitable study and career options.

The Unit also offers a range of support services to students once they embark on their journey at Wits. These services are aimed at helping students to be the best possible versions of themselves while at Wits. Provided in a welcoming, empowering and safe space, these include:

- Individual and group counselling
- Career counselling and development
- Psycho-educative workshops and programmes
- HIV education, advocacy and support
- Volunteer peer advocacy on social justice
- Mental health and HIV support
- Peer mentorship training
- The 'Journey to Employability' programme
- A Graduate Recruitment Programme

TO FIND OUT MORE ABOUT OUR SERVICES, PLEASE CONTACT THE UNIT.

CCDU Building. Braamfontein Campus West,
closest entrance: Gate 9, Enoch Sontonga Avenue
T 011 717 9140/32 | E info.ccdu@wits.ac.za
www.wits.ac.za/ccdu/

CCDU Satellite office. Parktown Education Campus,
Ground Floor, Marang Building
T 011 717 9140/32 | E info.ccdu@wits.ac.za
www.wits.ac.za/ccdu/

STUDENT REPRESENTATIVE *Council*

There's an active SRC which exists to voice your concerns, hear your suggestions and represent your interests (academic, financial, residential, sporting, etc.).

2nd Floor, The Matrix,
Braamfontein Campus East
T 011 717 9206
www.wits.ac.za/about-wits/governance/governing-structures/student-representative-council-src/

CLUBS AND SOCIETIES

Find your happy place. Sign up. Join in. Connect.

There are a variety of clubs and societies at Wits, enabling you to find your happy place whether your interests lie in academics, business, culture, politics, religion, society or social responsibility.

To find out how to register for clubs and societies, visit us during Orientation Week at the Information Village on the Library Lawns, Braamfontein Campus East. Registrations may be debited to a student's fee account only until the end of March. Thereafter payment will be cash only at the Fees office.

www.wits.ac.za/students/clubs-and-societies/

Whatever gets your pulse racing – sports, special interest clubs, or a full calendar of social events and gatherings – it's bound to be part of the vibrant student social life available to all Witsies.

WITS Citizenship and Community Outreach

Get more than a degree

No Witsie should exit the University without a strong sense of how he or she can actively contribute to the development of society through the proper exercise of his or her rights and responsibilities as a citizen.

Volunteering is an integral part of student life at Wits. The WCCO provides students with real-world experiences and the opportunity to enhance their learning and civic responsibility while addressing community needs.

You can work as a volunteer on campus, in your community or in other communities, with children, youth or the aged, for causes as diverse as sustainable development, literacy, social justice, child welfare, the fight against poverty, animal rights or disability awareness.

The work of WCCO can shape how you:

- interact with your community
- define public problems
- develop your social skills and value systems
- apply your knowledge
- become a responsible citizen.

The WCCO recommends a time commitment of at least two hours per week. Volunteer time could, however, be just once a month, or for a special event. It is totally up to you to get involved. We also encourage students to initiate their own projects to meet a variety of needs. There's a wide range of community engagement projects, led by students.

The First Year Experience

A student-centred programme, designed to make the journey from high school to Wits a smooth and exciting one.

The First Year Experience Programme is a student-centred programme aimed at helping First year students to transition from high school to university. It aims to offer student support while providing programmes that contribute to the student experience, promote a sense of belonging and unlock the potential for success and retention.

The FYE Programme offers:

- Gateway to Success
- information, Communication and Technology (ICT) skills
- student development (personal leadership and self-awareness)
- 'Learn for Life' (time management, learning styles, goal setting, etc.)
- academic seminars (on plagiarism, critical thinking, etc.)
- civic engagement and advocacy (outreach, gender equality, etc.)

www.wits.ac.za/students/first-year-experience/

Campus Health and Wellness Centre

Without optimal health and well-being, it would be impossible for our students and staff to be their best academic, co-curricular, extra-curricular, social and moral selves

The Campus Health and Wellness Centre (CHWC) is the primary healthcare facility on campus, committed to promoting health, wellness and safety.

Services include:

- medical consultation on minor ailments (a minimal fee is charged)
- mental healthcare
- reproductive health services, including contraception
- vaccination programmes; e.g. flu, Hepatitis B, etc.
- HIV counselling and testing
- the management of sexually transmitted diseases
- emergency medical care
- wellness programmes and awareness campaigns
- applications for deferments if you are ill during exams
- assessments for extra time during examinations

The main CHWC service. Lower Ground Floor, The Matrix, Braamfontein Campus East.
Hours of operation are Monday to Friday from 08h00 to 16h30 (closed on weekends and public holidays)
www.wits.ac.za/campushealth/

Satellite healthcare service:
Parktown Campus, Highfield House near to the main dining room www.wits.ac.za/campushealth/

Development and Leadership Unit

The word university comes from the Latin for 'seeking truth together' and is a shorter version of *universitas magistrorum et scholarium* or a 'community of masters and scholars'.

In this spirit, the Development and Leadership Unit exists to develop high-impact world leaders for a better society. The DLU believes that a vibrant student life experience requires an environment that allows the space for constructive debate, critical enquiry, civic engagement and challenging the status quo – for the benefit of students and society.

DLU learning platforms and co-curricular activities include:

- Student leadership camps, round-tables, training and development
- 'Journeys of Discovery'
- Outdoor experiential learning

These help students to maximise their potential for personal growth and intense self-discovery.

Development and Leadership Unit (DLU),
1st Floor, The Matrix,
Braamfontein Campus East
T 011 717 9234
www.wits.ac.za/students/development-and-leadership-unit/

Campus Housing and Residence Life

Res Life is often one of the most rewarding experiences of a Wits student's university journey.

1 IN 5 WITSIES LIVE IN ONE OF OUR 18 RESIDENCES

Wits Inter Campus Student Bus Service

OUR RESIDENCES

Modern, secure, professionally managed and well maintained.

First year undergraduates are usually placed in shared rooms. A limited number of single rooms are available.

Braamfontein Campus East
International House; Jubilee Hall; College House and Dalrymple House (Men's Res); Sunnyside Hall (Female residence); Jubilee Hall (Female residence)

Braamfontein
Braamfontein Centre; Noswal Hall; Rennie House

Braamfontein Campus West
Barnato Hall; David Webster Hall; West Campus Village; Yale Village

TOURISM GRADING COUNCIL OF SOUTH AFRICA

The Tourism Grading Council of South Africa has awarded Wits Junction three stars for backpacking and hostelling

Parktown Education Campus
Girton Hall; Medhurst Hall; Reith Hall

Parktown
Ernest Oppenheimer Hall; Knockando Hall; The Wits Junction

APPLICATION INFORMATION

Before applying for accommodation in a Wits residence, you must first submit your application for academic study:

- 30 September is the closing date for Residence applications
- Apply through the self-service portal, by clicking on the residence self-service tile: https://self-service.wits.ac.za
- Successful applicants must pay a refundable deposit of R990 to confirm acceptance of a place in residence
- Acceptance of offers must be done via the student self-service portal

NB: All applicants who receive a residence offer must pay the deposit, whether or not they have bursaries, scholarships or NSFAS

PAYMENT INFORMATION:

First National Bank (FNB)
Account Number: 62270551015
Branch Code: 210554 **Swift Code:** FIRNZAJJ
Use your **Person Number** as the reference.
Pay via EFT; credit card; at the Cashier's Office; or at the bank.
Please refer to: **www.wits.ac.za/accommodation/**

SERVICES ON OFFER

Our residences offer all the day-to-day services you need to feel at home while studying, including accommodation, housekeeping, meals, recreation and access to support, development and extra-curricular activities. There are single-gender catered residences for undergraduates; mixed-gender catered and self-catered residences. There are six dining halls catering for res students and Oppidani (day students) who can register for meals. Self-catering and day students can register for Oppidani Meals online. Full details of the 'Wits Smart Dining' online meal booking system (which enables students to book additional meals, or to cancel a particular meal, or to move meal bookings) are available on registration.

Residence services include:

- 24-hour security and access control
- academic support for First year undergraduates
- cultural activities
- DSTV rooms and indoor games
- free laundry facilities
- inter-res/inter-campus transport
- live-in wardens
- professional catering
- regular cleaning services
- sporting programmes
- social events
- residence computer centres and Wifi access

Some residences even have swimming pools, sports facilities, gyms, and more.

SAFETY AND SECURITY

Our on-site Protection Service staff carry out 24-hour vehicle and foot patrols and offer a 24-hour on-campus escort service for all students and staff, especially those working late. There are emergency panic buttons throughout the campus, as well as an integrated surveillance system and an automated crime reporting system. There is an additional 24/7 security service that exists to respond to security incidents off campus in Braamfontein and Parktown, with the support of law enforcement bodies.

Download mySOS, available on the iPhone App Store, or get it on Googleplay. **Press the Wits button and a call will be started to protection services.** Read about my SOS on: wits.ac.za/mywits/mysos/

(Dis)Ability

It's not enough just to enrol students with disabilities at Wits. Our commitment is to provide an enabling platform to promote academic success.

At Wits, we want to offer a learning environment that is rewarding and enriching for students with disabilities, who receive the academic support and reasonable accommodations they need to participate fully in all aspects of university life. Students with disabilities have been an integral part of the Wits community for many years; the Disability Rights Unit (DRU) works to overcome the educational barriers and accessibility requirements facing students with visual, hearing, physical, learning and psychological disabilities, as well as chronic illnesses. At the same time, the DRU focuses on the design of innovative learning and working environments, as well as the promotion of disability awareness.

DRU provides various support services to ensure students with disabilities have equal access to educational opportunities at Wits. These services are tailored to each student and disability, and may include the use of state-of-the-art assistive technology and/or other forms of human support. For more information, please contact the DRU to find out how they can support you in your studies.

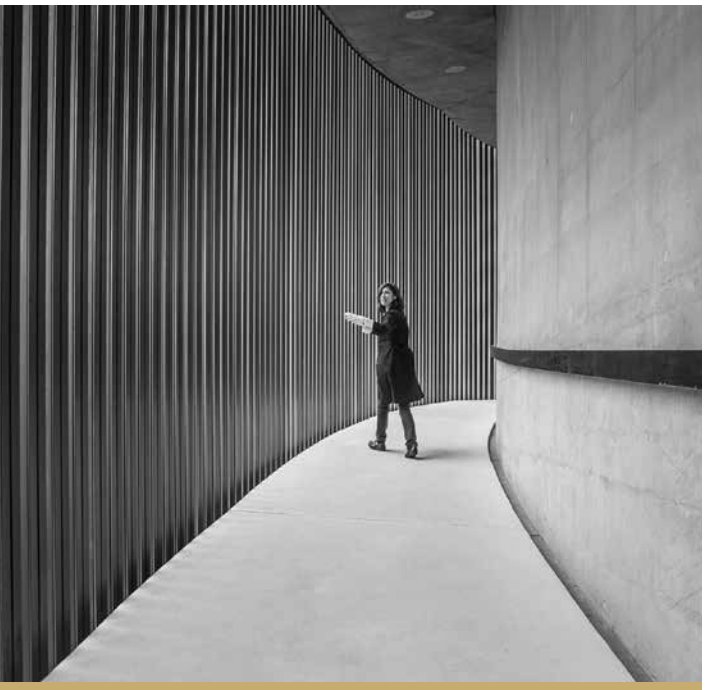
VISIT US:

1st Floor, Solomon Mahlangu House, East Wing,
Braamfontein Campus East
T: 011 717 9152/51
E: tish.white@wits.ac.za
www.wits.ac.za/disability-rights-unit/

1st Floor, Admin Block, Parktown
Education Campus
T: 011 717 9158
www.wits.ac.za/disability-rights-unit/

RECREATION AROUND WITS

Right at the epicentre of comedy, theatre, art, music, nightlife, food, sports, nature, hiking, history and heritage, Wits is an urban-based University, in the heart of Joburg's commercial hub.



The Circa Gallery

Wits Parkrun

Goodman Gallery

Gold Reef City

GETTING AROUND JOBURG

Rea Vaya and Metrobus buses; the Gautrain; e-tuktuk Melville and Uber. Wits buses will taxi you between residences and campus. www.wits.ac.za/campus-life/jozi---our-city/getting-around/

Maboneng Precinct

The Joburg Zoo

Newtown

Constitution Hill and Museum

Braamfontein

Victoria Yards

WITS SPORT
Game On!

Wits Sport has a reputation for sporting excellence

Wits Sport has **28 sports clubs** that participate in local, regional, national, and international intervarsity competition. Contact members of club committees or sports officers for more details about their activities. www.wits.ac.za/sport/clubs/

OUTDOOR SPORT Aquatics, Cricket, Football, Futsal, Hockey, Mountain Climbing/Bouldering, Netball, Orienteering, Rowing, Rugby, Rugby 7's, Snow Skiing, Tennis, Ultimate Frisbee, Underwater Sport, Yachting

INDOOR SPORT Aerobics, Basketball, Boxing, Chess, Fencing, Gymnastics, Karate (JKA), Tai Chi and Yuishinkai Kobujutsu, Squash, Table Tennis, Tang Soo Do, Volleyball, Wargames

WORLD CLASS SPORTS FACILITIES

- Hosted numerous PSL games – Wits University Football Stadium
- Hosted the World Hockey League and USSA Hockey Tournaments - Wits Hockey Astro
- Hosted the Engen Knockout Challenge and Champ of Champs Tournament – Wits Football Fields, Marks Park
- Hosted the USSA Cricket Tournament – Walter Milton Oval
- The Walter Milton Oval is also a first class venue for the Imperial Lions Cricket
- Hosted the Varsity Basketball Tournament – Wits Multipurpose Sports Hall

WORLD-CLASS SPORTING FACILITIES

Expect world-class sport facilities including: 2 football stadiums and 11 football fields, a rugby stadium and two rugby fields, 2 cricket ovals, hard court areas for tennis, basketball and netball, two Olympic size swimming pools, an artificial hockey turf, multi-purpose indoor sport facilities, futsal courts, two exceptional outdoor gyms and a Wits Fitness and Wellness Centre which offers state of the art equipment, top trainers and cutting edge facilities.

HIGH PERFORMANCE SPORTING

All our high performance sporting codes have access to strength and conditioning training facilities at the **WITS SPORT HIGH PERFORMANCE GYM**, situated on the Wits Education Campus. This together with **ELITE TRAINING, TESTING and COACHING**, ensures athletes receive integrated, sport specific, periodised training. Athletes also receive rehabilitative support.

We prepare our athletes to be competitive at all levels, from representing our University to representing our country on the national and international stage. Our network of professionals is growing with the launch of **WITS SPORT AND HEALTH (WiSH)** which gives Wits Sport unmatched access to the world's best sport physicians, surgeons, physiotherapists and other sport and medical professionals.
www.wits.ac.za/wish/

SPORTS BURSARIES

We also offer bursaries to top student athletes who meet the necessary academic and sporting requirements. 2024 Wits Sport Bursary Applications: 01 April - 30 September 2023
For more information, visit www.wits.ac.za/sport/sport-bursaries/

WITS SPORT RECENT *Achievements*

The Wits Netball Club won the 2022 USSA Netball Premier Division and qualified for the 2023 Varsity Netball Tournament.

Witsies at the 2022 University Sport South Africa (USSA) tournament

USSA Squash National Executive Committee – Secretary and Additional Executive member. Limani Mangaliso and Naledi Qavane (Wits Squash), Panashe Chiranga (Wits Netball) Zahara Kader (Wits Karate)

Limani Mangaliso

Naledi Qavane

Panashe Chiranga

Zahara Kader

Wits Netball Captain, Panashe Chiranga, was selected in the USSA Netball Premier League Dream Team and Confederation of University and Colleges Sports Associations (CUCSA) Squad. Wits Karate member, Zahara Kader, was selected for the Team SA team that competed in the FISU Combat Sports Championship, which took place in Turkey in September 2022.

WITS SPORT *Superstars*

Setshaba Mokoena

High School: Jeppe High School for Boys

Degree: Bachelor of Science in Construction Studies (in the field of Property Studies)

Sport: Rugby

Highest achievements:

- 2021 and 2022 Varsity Cup seasons
- 2019 Craven Week
- 2021 Lions U20 Currie Cup Champion

Why did I choose Wits?

Wits offers me the platform to become a quality rugby player whilst achieving a quality degree which will ultimately put me in good stead for a future after rugby. Wits has an incredible academic support structure and coaching staff, with some provincial coaches involved which will help me achieve my potential.

What are your future goals?

My future goals are to graduate and achieve my Master's degree, play professional rugby and ultimately become a Springbok.

How I balance studying and sport

I'm pro-active so know well in advance what I need to do. Staying ahead means never playing catch up when it comes to exam season. I familiarize myself with the lecturers and course coordinators and they assist me in terms of my planning and adjusting my test days if needed. I am also willing to sacrifice a bit of my social life; I have the discipline to prioritise my studies and use weekends to get ahead on work and assignments.

Morgan De Jager

High School: Crawford Ruimsig

Degree: Bachelor of Accounting Science

Sport: Field Hockey

Highest achievements:

- Selection for the South African national women's 5-a-side team, as a reserve for the FIHHockey5s Lausanne tournament in June 2022.
- Selection to form part of the South African national women's U21 squad.

Why did I choose Wits?

I chose wits because it gives me the best balance between sport and academics. I can pursue my sporting goals without having to compromise on academic quality. The varsity allows for me to be the best sportswoman I can be by supporting me throughout the whole journey and accommodating my needs as much as possible.

What are your future goals?

My future goals are to form part of the SA U21 side that will compete in the Junior World Cup in 2023 in Chile and one day make the SA Olympics team.

How I balance studying and sport

Balance is difficult to achieve. However, Wits has allowed me to be able to balance everything the best way I can by providing me with so many support structures. By asking for help and engaging with relevant staff, I can achieve almost all my goals. Wits truly looks after its athletes.

Zahara Kader

High school: Maritzburg Muslim School for Girls

Degree: Bachelor of Medicine and Bachelor of Surgery

Sport: Semi-Contact Karate

Highest achievements:

Represented South Africa as a Protea athlete in the following years:

- 2017 World Youth Cup held in Croatia (achieved Silver)
- 2018 African UFAK Championship held in Rwanda (achieved Silver)
- 2019 African UFAK Championship held in Botswana (achieved Bronze and held a WKF WorldRanking of 7th place)
- 2022 USSA Karate National Championship (achieved Gold and Bronze)

Why did I choose Wits?

Wits is well known for their medical faculty with courses that have a national and international accreditation. This institution has always maintained an excellent academic standing and produces students of a high academic calibre. Wits offers a range of sports and clubs which enable students to develop into well rounded individuals. I chose Wits for my holistic development, I can prioritize both my academic and sporting career simultaneously.

What are your future goals?

From an academic perspective, I would like to complete my undergraduate degree and further my studies in the field of Obstetrics and Gynaecology. I have been granted the opportunity to represent University Sport South Africa (USSA Team SA) at the upcoming FISU Combat Sports Championship to be held in Turkey. My goal would be to achieve a medal on this world platform. I would like to use both my academic and sporting careers to help the less fortunate communities and to empower women from all walks of life.

How I balance studying and sport

When studying Medicine, it is important to have a healthy state of mind. I maintain this balance by participating in sport. Karate has always been a stress reliever. The sport inculcates both discipline and respect which helps me keep a strict schedule, which in turn helps me academically.

Tumelo Letsgogo

High school: Tlamelang Special School

Studies: Bachelor of Accounting Science

Sports: Table Tennis

Highest achievements

1st place maths Olympiad grade 8, table tennis gold.

Why did I choose Wits?

We used to have our school championships for table tennis at Wits. That's when I made it my other goal to come study here. I, like other kids, also wanted the edge.

What are your future goals?

To get my degree and be either a Chartered Accountant or Forensic Auditor.

How do you balance studies and sport

I recommend the Wits Road to Success Programme. They will help you to plan your day then you take it from there (add or remove from your list). Also, plan ahead so that when unforeseen circumstances occur, you're able to adjust well.

LIST OF *Acronyms*

COMMERCE, LAW AND MANAGEMENT

ACCA	Association of Chartered Certified Accountants
BAccSc	Bachelor of Accounting Science
BCom	Bachelor of Commerce
BCom(PPE)	Bachelor of Commerce, Politics, Philosophy and Economics
BEconSc	Bachelor of Economic Science
CFA	Chartered Financial Analyst
CIA	Certified Internal Auditor
CIMA	Chartered Institute of Management Accountants
HDipAcc	Higher Diploma in Accounting
HRM	Human Resource Management
IFAC	International Federation of Accountants
IPO	Initial Public Offering
IS	Information Systems
IT	Information Technology
LLB	Bachelor of Laws
PAAB	Public Accountants and Auditors Board
SAIPA	South African Institute for Professional Accountants
UI	User Interface
UX	User Experience

ENGINEERING AND THE BUILT ENVIRONMENT

BAS	Bachelor of Architectural Studies
BEngSc(BME)	Bachelor of Engineering Science in Biomedical Engineering
BSc(URP)	Bachelor of Science Urban and Regional Planning
BSc(Eng)	Bachelor of Science in Engineering
CIOB	Chartered Institute of Building, UK
ECSA	Engineering Council of South Africa
RICS	The Royal Institution of Chartered Surveyors, UK
SACPLAN	South African Council of Planners
SACPVP	South African Council for Property Valuers Profession

HEALTH SCIENCES

BDS	Bachelor of Dental Science
BHSc	Bachelor of Health Sciences
GEMP	Graduate Entry Medical Programme
GEPP	Graduate Entry Physiotherapy Programme
HPCSA	Health Professions Council of South Africa
MBBCh	Bachelor of Medicine and Bachelor of Surgery
NGO	Non-Governmental Organisation
STEPPS	Screening and Testing Programme for Pharmacy Students
WAPT	Wits Additional Placement Test

HUMANITIES

BEd	Bachelor of Education
PGCE	Postgraduate Certificate in Education
SACE	South African Council of Educators

SCIENCE

ARC	Agricultural Research Council
DWA	Department of Water Affairs and Forestry
NNR	National Nuclear Regulator
SAEON	South African Environmental Observation Network
SANBI	South African National Biodiversity Institute

GENERAL

NBT	National Benchmark Test
NSC	National Senior Certificate
SRC	The Student Representative Council
FYE	The First Year Experience Programme
CCDU	Counselling and Careers Development Unit
DLU	Development and Leadership Unit
CHWC	Campus Health and Wellness Centre
DRU	Disability Rights Unit
WCCO	Wits Citizenship and Community Outreach

CONTACTS

1 Jan Smuts Avenue, Braamfontein 2000
Johannesburg, South Africa
Private Bag 3, WITS, 2050
T +27 (0) 11 717 1000
www.wits.ac.za/

Student Enrolment Centre (SEnC) for Undergraduate Admissions
T +27 (0)11 717 1888
www.wits.ac.za/askwits/

Student Life
E enquiries.studentaffairs@wits.ac.za

Residence Life
E accommodation@residence.wits.ac.za

Wits Sport
T +27 (0) 11 717 9409

Protection Services
T +27 (0) 11 717 4444/6666

Fees, Financial Aid and Scholarships
T +27 (0)11 717 1531/1081
E info.finaid@wits.ac.za

International Students Office
T +27 (0) 11 717 1054/5
E studysa.international@wits.ac.za

Part-time degrees (undergraduate students only)
T+27 (0) 11 717/9500/9501/9505
E wits.plus.marketing@wits.ac.za

UNDERGRADUATE GENERAL ENQUIRIES

Commerce, Law and Management
T +27 (0) 11 717 8001/8174

Engineering and the Built Environment
T +27 (0) 11 717 7007/2/3/4/6

Health Sciences
T +27 (0) 11 717 2545

Humanities
T +27 (0) 11 717 4004/5/13/18/8203

Science
T +27 (0) 11 717 6000

KuduBot
www.wits.ac.za

www.wits.ac.za/about-wits/contact-us/

PREPARE

YOURSELF FOR THE NEW WORLD

Need more flexibility to fit your studies into the rest of your busy life? Study selected degrees part-time or fine-tune with a business or language short course.

Available options:

- Part-time Degrees
- Business-focused Short Courses
- Learn a New Language
- Improve your English Language Skills
- Teach a Language (TEFL & TSAIL)
- Translate and Interpret Languages

Visit our website for more information www.wits.ac.za/part-time/ **Email:** Wits.Plus.Marketing@wits.ac.za

UNIVERSITY OF THE WITWATERSRAND, JOHANNESBURG

WITS PLUS
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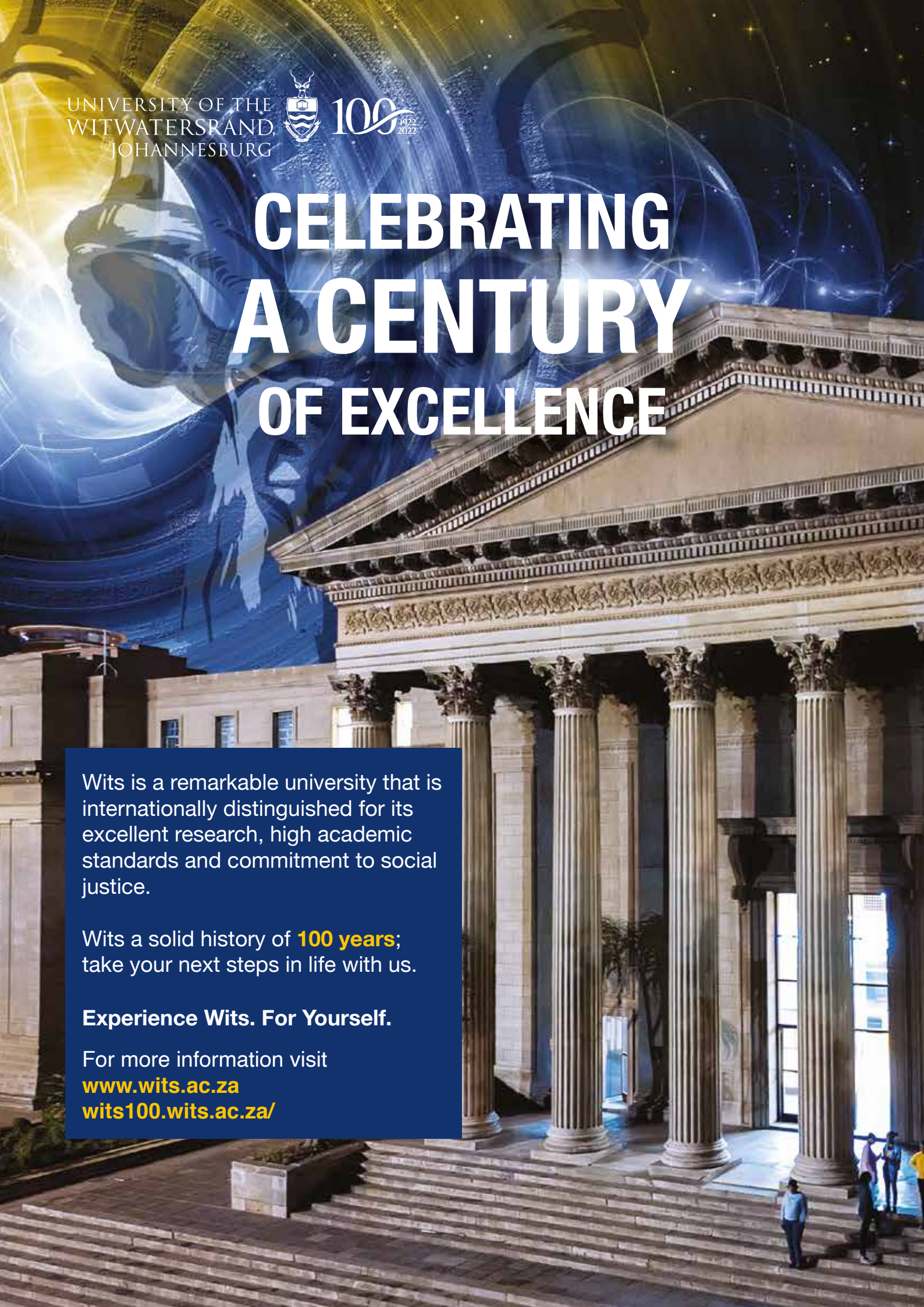
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